VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 10

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. *Juglans nigra*	30	Yes	FACU
2. *Acer negundo*	15	Yes	FAC
3. *Platanus occidentalis*	5	No	FACW
4.			
5.			
6.			
7.			
	50	=Total Cover	
50% of total cover: 25		20% of total cover:	10
Sapling/Shrub Stratum (Plot size: 15')			
1. *Ligustrum vulgare*	15	Yes	FACU
2. *Rosa multiflora*	5	Yes	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	20	=Total Cover	
50% of total cover: 10		20% of total cover:	4
Herb Stratum (Plot size: 5')			
1. *Microstegium vimineum*	10	Yes	FAC
2. *Persicaria virginiana*	5	Yes	FAC
3. *Alliaria petiolata*	2	No	FACU
4. *Allium canadense*	1	No	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	18	=Total Cover	
50% of total cover: 9		20% of total cover:	4
Woody Vine Stratum (Plot size: 30')			
1. *Parthenocissus quinquefolia*	5	Yes	FACU
2. *Toxicodendron radicans*	5	Yes	FAC
3.			
4.			
5.			
	10	=Total Cover	
50% of total cover: 5		20% of total cover:	2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	35	x 3 =	105
FACU species	58	x 4 =	232
UPL species	0	x 5 =	0
Column Totals:	98 (A)		347 (B)

Prevalence Index = B/A = 3.54

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 3/3	100					Loamy/Clayey	
6-19	7.5YR 4/4	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Walnut Street City/County: Bucks County Sampling Date: 6/25/2025

Applicant/Owner: HCI DP Land Acquisition LLC State: PA Sampling Point: 11

Investigator(s): Jason J. Mease Section, Township, Range: New Britain Township

Landform (hillside, terrace, etc.): Footslope Local relief (concave, convex, none): Concave Slope (%): 0-3%

Subregion (LRR or MLRA): LRR S, MLRA 148 Lat: 40.280553 Long: -75.244890 Datum: WGS 84

Soil Map Unit Name: Bowmansville-Knauers silt loams (Bo) NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
PEM Wetland E

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- ____ High Water Table (A2)
- X Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- X Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No X	Depth (inches): 1
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 11

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15')			
1. *Quercus palustris*	2	No	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	2 =Total Cover		
50% of total cover: 1	20% of total cover:	1	
Herb Stratum (Plot size: 5')			
1. *Phalaris arundinacea*	10	Yes	FACW
2. *Eleocharis palustris*	5	Yes	OBL
3. *Juncus tenuis*	2	No	FAC
4. *Sagittaria latifolia*	1	No	OBL
5. *Impatiens*	1	No	FACW
6.			
7.			
8.			
9.			
10.			
11.			
	19 =Total Cover		
50% of total cover: 10	20% of total cover:	4	
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	6	x 1 =	6
FACW species	13	x 2 =	26
FAC species	2	x 3 =	6
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	21 (A)		38 (B)

Prevalence Index = B/A = 1.81

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: 11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR 3/3	98	2.5YR 4/6	2	C	PL/M	Loamy/Clayey	Prominent redox concentrations
4-19	7.5YR 4/2	96	2.5YR 4/6	4	C	M	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Walnut Street City/County: Bucks County Sampling Date: 6/25/2025

Applicant/Owner: HCI DP Land Acquisition LLC State: PA Sampling Point: 12

Investigator(s): Jason J. Mease Section, Township, Range: New Britain Township

Landform (hillside, terrace, etc.): Footslope Local relief (concave, convex, none): Convex Slope (%): 0-3%

Subregion (LRR or MLRA): LRR S, MLRA 148 Lat: 40.280663 Long: -75.244801 Datum: WGS 84

Soil Map Unit Name: Bowmansville-Knauers silt loams (Bo) NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland meadow

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 12

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:		20% of total cover:	

Sapling/Shrub Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:		20% of total cover:	

Herb Stratum (Plot size: 5')	Absolute % Cover	Dominant Species?	Indicator Status
1. *Dactylis glomerata*	25	Yes	FACU
2. *Poa annua*	10	Yes	FACU
3. *Cirsium vulgare*	5	No	FACU
4. *Apocynum androsaemifolium*	2	No	FACU
5. *Asclepias syriaca*	1	No	FACU
6.			
7.			
8.			
9.			
10.			
11.			
	43 =Total Cover		
50% of total cover: 22		20% of total cover:	9

Woody Vine Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. *Toxicodendron radicans*	2	No	FAC
2.			
3.			
4.			
5.			
	2 =Total Cover		
50% of total cover: 1		20% of total cover:	1

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	2	x 3 =	6
FACU species	43	x 4 =	172
UPL species	0	x 5 =	0
Column Totals:	45 (A)		178 (B)

Prevalence Index = B/A = 3.96

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: 12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	7.5YR 3/3	100					Loamy/Clayey	
7-20	7.5YR 4/4	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Walnut Street City/County: Bucks County Sampling Date: 6/25/2025

Applicant/Owner: HCI DP Land Acquisition LLC State: PA Sampling Point: 13

Investigator(s): Jason J. Mease Section, Township, Range: New Britain Township

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 3-8%

Subregion (LRR or MLRA): LRR S, MLRA 148 Lat: 40.280698 Long: -75.244687 Datum: WGS 84

Soil Map Unit Name: Buckingham silt loam (BwB) NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Northern Unnamed Tributary to West Branch Neshaminy Creek

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- ____ High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- X Sediment Deposits (B2)
- X Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- X Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 1
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 0

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Unnamed tributary about 3-4' wide with 1' banks.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 13

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

Total Number of Dominant Species Across All Strata: _____ (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species		x 4 =	
UPL species		x 5 =	
Column Totals:	(A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: 13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
								channel bed

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: rock/coarse fragments

Depth (inches): 0

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Channel bed primarily consists of unconsolidated coarse fragments.

Photographs

Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 24, 2025

Photo A: West Branch Neshaminy Creek looking east towards Schoolhouse Road

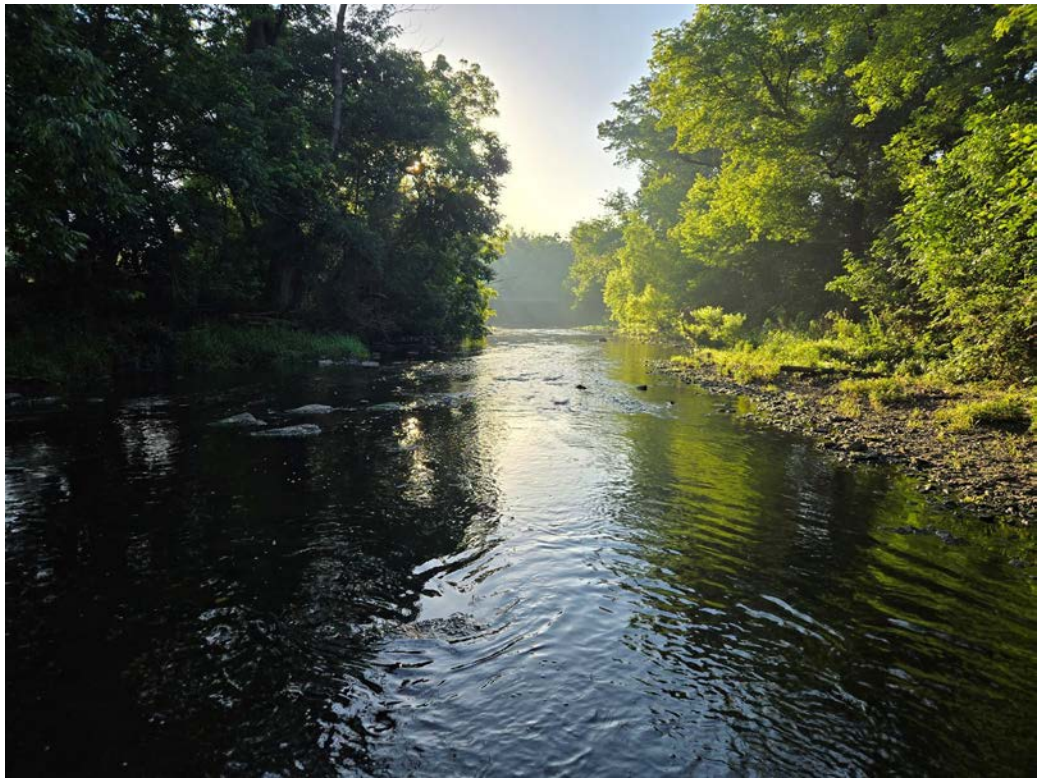


Photo B: West Branch Neshaminy Creek looking southwest towards County Line Road



Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 24, 2025

Photo C: Southern UNT looking southeast towards Walnut Street



Photo D: PEM/PSS Wetland A looking west/northweset



Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 24, 2025

Photo E: PSS/PFO Wetland B looking west/northwest



Photo F: PSS/PFO Wetland C looking east/northeast



Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 24, 2025

Photo G: Southern UNT looking southeast

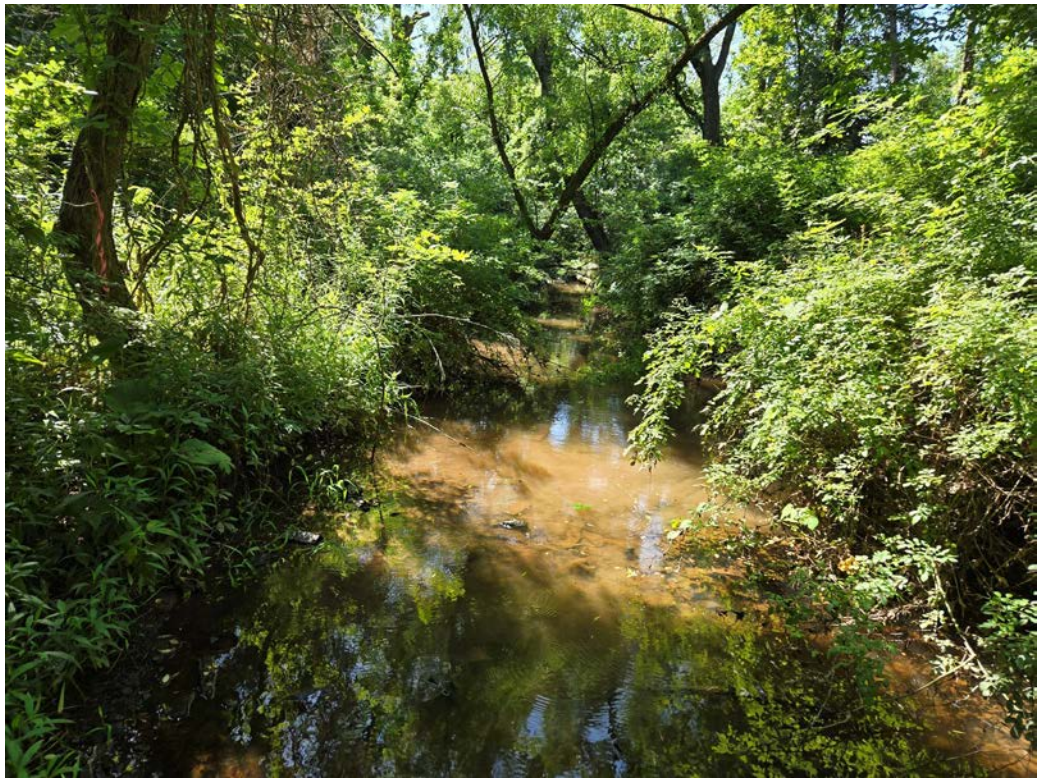
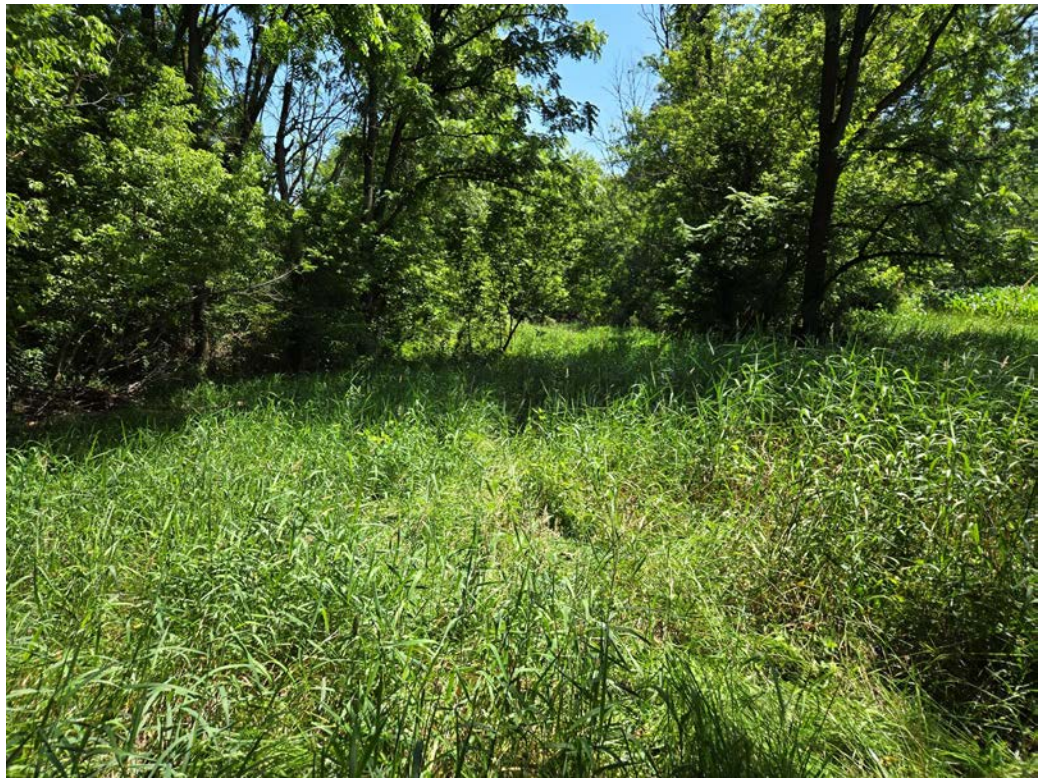


Photo H: PEM Wetland D looking east/northeast



Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 25, 2025

Photo I: PEM Wetland E looking northwest



Photo J: Northern UNT looking southeast



Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 25, 2025

Photo K: Northern UNT looking northwest



Photo L: Western UNT looking west



Bohler Engineering
HCI DP Land Acquisition LLC
New Britain Township, Bucks County, PA
June 25, 2025

Photo M: Western UNT looking east at confluence with West Branch Neshaminy Creek



Site Plan

EXCEPTIONS:

AS TO PARCEL 26-001-099-001:

(6) RIGHTS GRANTED TO PHILADELPHIA ELECTRIC COMPANY IN:
A DEED BOOK 660 PAGE 159 - LOCATED ON PARCEL 26-001-099-001, SHOWN.
B DEED BOOK 2446 PAGE 1027 - LOCATED ON PARCEL 26-001-099-001, SHOWN.

(7) SUBJECT TO ACT 515 IN DEED BOOK 2062 PAGE 1141 AND LAND RECORD BOOK 84 PAGE 834. RENEGOTIATED TO ACT 319 IN LAND RECORD BOOK 958 PAGE 101 - NOT SURVEY RELATED.

(8) DEED OF EASEMENT TO CHALFONT-NEW BRITAIN TOWNSHIP JOINT SEWAGE AUTHORITY AS IN LAND RECORD BOOK 91 PAGE 688 - NOT LOCATED ON PARCEL 26-001-099-001, SHOWN.

(9) DEED OF EASEMENT TO NORTH PENN WATER AUTHORITY AS IN LAND RECORD BOOK 1892 PAGE 153 - NOT LOCATED ON PARCEL 26-001-099-001, SHOWN.

(10) RIGHTS OF THE PUBLIC AND OTHERS ENTITLED THERETO IN AND TO THE USE OF THAT PORTION OF THE PREMISES WITHIN THE BOUNDS OF WALNUT STREET.

(11) STREAM OF WATER FLOWS THROUGH (WEST BRANCH OF THE NESHAMINY CREEK) PREMISES HEREON, SUBJECT TO RIGHTS OF OTHER RIPARIAN OWNERS ABUTTING STREAM - LOCATED ON PARCEL 26-001-099-001, SHOWN.

AS TO PARCEL 26-001-099:

(12) RIGHTS GRANTED TO PHILADELPHIA ELECTRIC COMPANY IN:
A DEED BOOK 660 PAGE 159 - NOT LOCATED ON PARCEL 26-001-099, SHOWN.
B DEED BOOK 2446 PAGE 1027 - NOT LOCATED ON PARCEL 26-001-099, SHOWN.

(13) SUBJECT TO ACT 515 IN DEED BOOK 2062 PAGE 1141 AND LAND RECORD BOOK 84 PAGE 838. RENEGOTIATED TO ACT 319 IN LAND RECORD BOOK 958 PAGE 97 - NOT SURVEY RELATED.

(14) DECLARATION OF TAKING BY CHALFONT-NEW BRITAIN TOWNSHIP JOINT SEWAGE AUTHORITY AS IN LAND RECORD BOOK 65 PAGE 63 - LOCATED ON PARCEL 26-001-099, SHOWN.

(15) DEED OF EASEMENT TO CHALFONT-NEW BRITAIN TOWNSHIP JOINT SEWAGE AUTHORITY AS IN LAND RECORD BOOK 91 PAGE 688. - LOCATED ON PARCEL 26-001-099, SHOWN.

(16) EASEMENT AS IN LAND RECORD BOOK 1892 PAGE 153 - LOCATED ON PARCEL 26-001-099-001, SHOWN.

(17) STREAM OF WATER FLOWS THROUGH AND ALONG (WEST BRANCH OF THE NESHAMINY CREEK) PREMISES HEREON, SUBJECT TO RIGHTS OF OTHER RIPARIAN OWNERS ABUTTING STREAM - LOCATED ON PARCEL 26-001-099, SHOWN.

(18) PREMISES IN AN INTERIOR TRACT OF GROUND WITH NO ROAD FRONTAGE - RIGHT OF ACCESS TO AND FROM THE LAND.

(19) EASEMENT TO NORTH PENN WATER AUTHORITY AS IN INSTRUMENT # 2017020082 - LOCATED ON SURVEYED PROPERTY, SHOWN.

AS TO PARCEL 26-001-099-002:

(20) RIGHTS GRANTED TO PHILADELPHIA ELECTRIC COMPANY IN:
A DEED BOOK 660 PAGE 159 - NOT LOCATED ON PARCEL 26-001-099-002, SHOWN.
B DEED BOOK 2446 PAGE 1027 - NOT LOCATED ON PARCEL 26-001-099-002, SHOWN.

(21) SUBJECT TO ACT 515 IN DEED BOOK 2062 PAGE 1141 AND LAND RECORD BOOK 84 PAGE 826. RENEGOTIATED TO ACT 319 IN LAND RECORD BOOK 958 PAGE 105 - NOT SURVEY RELATED.

(22) NOTICE OF CONDEMNATION AS IN DEED BOOK 2374 PAGE 129 - EXHIBITS THERETO IN PLAN BOOK 193 PAGES 22 AND 23 - LEGAL R.O.W. FOR WALNUT STREET AT COUNTY LINE ROAD; SHOWN.

(23) RIGHT OF WAY TO THE BELL TELEPHONE COMPANY OF PENNSYLVANIA IN LAND RECORD BOOK 58 PAGE 985 - LOCATED ON PARCEL 26-001-099-002, SHOWN.

(24) DEED OF EASEMENT TO CHALFONT-NEW BRITAIN TOWNSHIP JOINT SEWAGE AUTHORITY AS IN LAND RECORD BOOK 91 PAGE 688 - NOT LOCATED ON PARCEL 26-001-099-002, SHOWN.

(25) RIGHTS OF THE PUBLIC AND OTHERS ENTITLED THERETO IN AND TO THE USE OF THAT PORTION OF THE PREMISES WITHIN THE BOUNDS OF WALNUT STREET AND COUNTY LINE ROAD.

(26) STREAM OF WATER FLOWS THROUGH (WEST BRANCH OF THE NESHAMINY CREEK) PREMISES HEREON, SUBJECT TO RIGHTS OF OTHER RIPARIAN OWNERS ABUTTING STREAM - LOCATED ON PARCEL 26-001-099-002, SHOWN.

AS TO PARCEL 26-001-099-003:

(27) RIGHTS GRANTED TO PHILADELPHIA ELECTRIC COMPANY IN:
A DEED BOOK 660 PAGE 159 - NOT LOCATED ON PARCEL 26-001-099-003, SHOWN.
B DEED BOOK 2446 PAGE 1027 - NOT LOCATED ON PARCEL 26-001-099-003, SHOWN.

(28) SUBJECT TO ACT 515 IN DEED BOOK 2062 PAGE 1141 AND LAND RECORD BOOK 84 PAGE 830. RENEGOTIATED TO ACT 319 IN LAND RECORD BOOK 958 PAGE 109 - NOT SURVEY RELATED.

(29) DEED OF EASEMENT AS IN DEED BOOK 2418 PAGE 771 - UNABLE TO DETERMINE LOCATION FROM RECORD DOCUMENT.

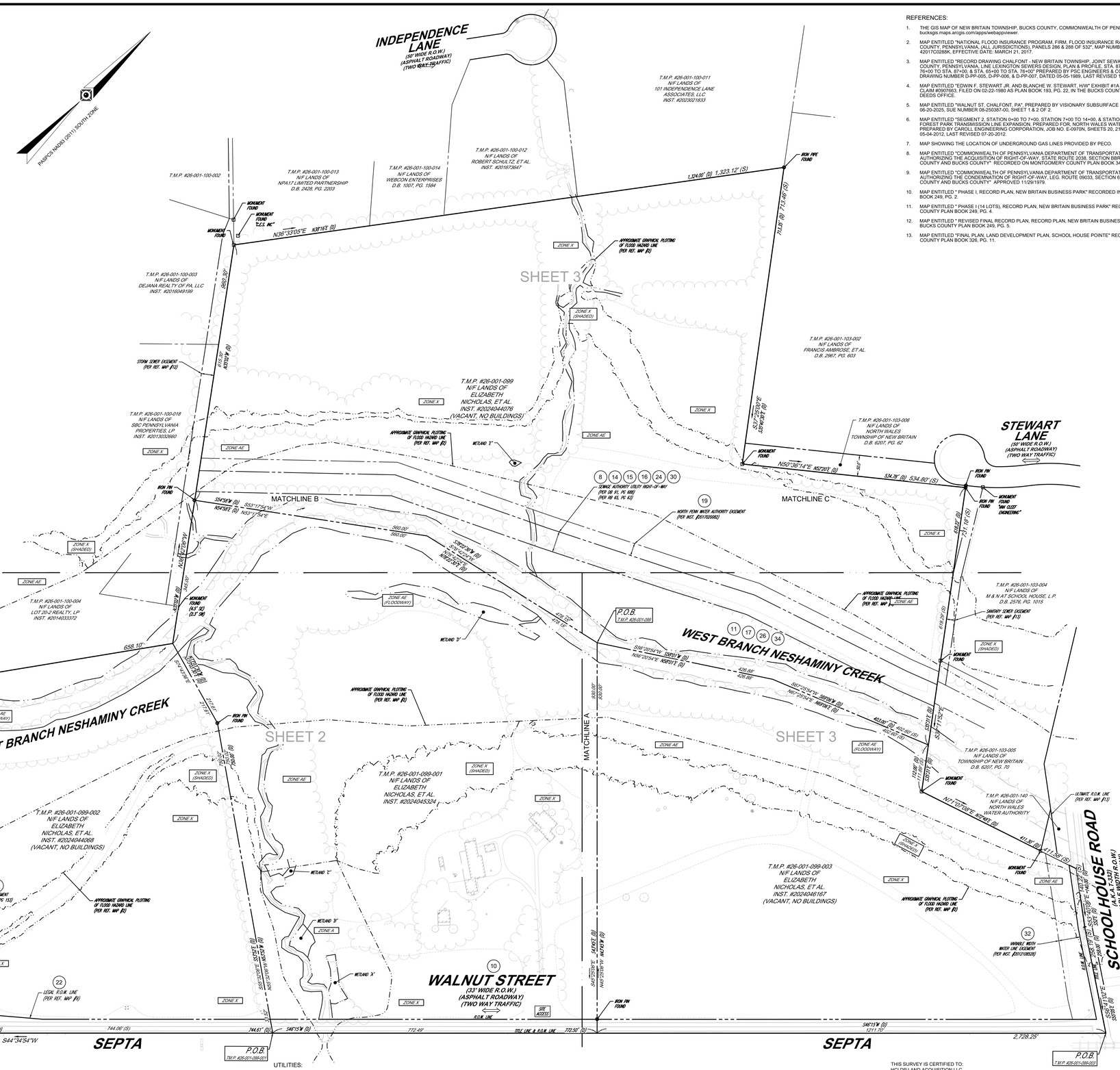
(30) DEED OF EASEMENT TO CHALFONT-NEW BRITAIN TOWNSHIP JOINT SEWAGE AUTHORITY AS IN LAND RECORD BOOK 91 PAGE 688 - NOT LOCATED ON PARCEL 26-001-099-003, SHOWN.

(31) DEED OF EASEMENT TO NORTH PENN WATER AUTHORITY AS IN LAND RECORD BOOK 1892 PAGE 153 - NOT LOCATED ON PARCEL 26-001-099-003, SHOWN.

(32) DECLARATION OF TAKING BY NORTH WALES WATER AUTHORITY AS IN INSTRUMENT # 2012108528 - LOCATED ON PARCEL 26-001-099-003, SHOWN.

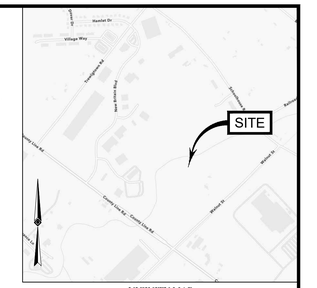
(33) RIGHTS OF THE PUBLIC AND OTHERS ENTITLED THERETO IN AND TO THE USE OF THAT PORTION OF THE PREMISES WITHIN THE BOUNDS OF WALNUT STREET.

(34) STREAM OF WATER FLOWS THROUGH (WEST BRANCH OF THE NESHAMINY CREEK) PREMISES HEREON, SUBJECT TO RIGHTS OF OTHER RIPARIAN OWNERS ABUTTING STREAM - LOCATED ON PARCEL 26-001-099-003, SHOWN.



REFERENCES:

1. THE GIS MAP OF NEW BRITAIN TOWNSHIP, BUCKS COUNTY, COMMONWEALTH OF PENNSYLVANIA. buckgis.maps.arcgis.com/apps/webappviewer/...
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, BUCKS COUNTY, PENNSYLVANIA, (ALL JURISDICTIONS), PANELS 286 & 288 OF 532", MAP NUMBER 42017C0286K & 42017C0288K, EFFECTIVE DATE: MARCH 21, 2017.
3. MAP ENTITLED "RECORD DRAWING CHALFONT - NEW BRITAIN TOWNSHIP, JOINT SEWAGE AUTHORITY, BUCKS COUNTY, PENNSYLVANIA, LINE LEXINGTON SEWERS DESIGN, PLAN & PROFILE, STA. 87+00 TO STA. 98+00, STA. 76+00 TO STA. 87+00, & STA. 65+00 TO STA. 76+00" PREPARED BY PSC ENGINEERS & CONSULTANTS INC., DRAWING NUMBER D-PP-005, D-PP-006, & D-PP-007, DATED 05-05-1989, LAST REVISED 12-05-1990.
4. MAP ENTITLED "EDWIN F. STEWART JR. AND BLANCHE W. STEWART, H/W" EXHIBIT #1A TO D.B. 2374, PG. 129, CLAIM #0907663, FILED ON 02-22-1980 AS PLAN BOOK 193, PG. 22, IN THE BUCKS COUNTY RECORDER OF DEEDS OFFICE.
5. MAP ENTITLED "WALNUT ST, CHALFONT, PA", PREPARED BY VISIONARY SUBSURFACE SOLUTIONS, DATED 06-20-2025, SOLVE NUMBER 06-2503870-00, SHEET 1 & 2 OF 2.
6. MAP ENTITLED "SEGMENT 2, STATION 0+00 TO 7+00, STATION 7+00 TO 14+00, & STATION 14+00 TO 21+00, THE FOREST PARK TRANSMISSION LINE EXPANSION, PREPARED FOR, NORTH WALES WATER AUTHORITY" PREPARED BY CAROLL ENGINEERING CORPORATION, JOB NO. E-0970N, SHEETS 20, 21, & 22 OF 96, DATED 05-04-2012, LAST REVISED 07-20-2012.
7. MAP SHOWING THE LOCATION OF UNDERGROUND GAS LINES PROVIDED BY PECO.
8. MAP ENTITLED "COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION DRAWING AUTHORIZING THE ACQUISITION OF RIGHT-OF-WAY, STATE ROUTE 2038, SECTION BBR R/W, IN MONTGOMERY COUNTY AND BUCKS COUNTY" RECORDED ON MONTGOMERY COUNTY PLAN BOOK 34, PG. 162.
9. MAP ENTITLED "COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION DRAWING AUTHORIZING THE CONDEMNATION OF RIGHT-OF-WAY, LEG. ROUTE 09033, SECTION 6R/W, IN MONTGOMERY COUNTY AND BUCKS COUNTY" APPROVED 11/29/1979.
10. MAP ENTITLED " PHASE I, RECORD PLAN, NEW BRITAIN BUSINESS PARK" RECORDED IN BUCKS COUNTY PLAN BOOK 249, PG. 2.
11. MAP ENTITLED " PHASE I (14 LOTS), RECORD PLAN, NEW BRITAIN BUSINESS PARK" RECORDED IN BUCKS COUNTY PLAN BOOK 249, PG. 4.
12. MAP ENTITLED " REVISED FINAL RECORD PLAN, RECORD PLAN, NEW BRITAIN BUSINESS PARK" RECORDED IN BUCKS COUNTY PLAN BOOK 249, PG. 5.
13. MAP ENTITLED "FINAL PLAN, LAND DEVELOPMENT PLAN, SCHOOL HOUSE POINTE" RECORDED IN BUCKS COUNTY PLAN BOOK 326, PG. 11.



VICINITY MAP
© 2022 ESRI WORLD LIGHT GRAY CANVAS
(NOT TO SCALE)

NOTES:

1. PROPERTY KNOWN AS T.M.P. #'s 26-001-099, 26-001-099-001, 26-001-099-002, & 26-001-099-003 AS IDENTIFIED ON THE GIS TAX MAP OF NEW BRITAIN TOWNSHIP, BUCKS COUNTY, COMMONWEALTH OF PENNSYLVANIA.
2. AREA (OVERALL) = 3,923,094 SQUARE FEET OR 90.062 ACRES.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ANY OR ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.

   A QUALITY LEVEL SYSTEM IS UTILIZED TO IDENTIFY THE SOURCE OF THE UNDERGROUND UTILITY INFORMATION. THE METHOD OF DETERMINATION IS BASED ON CONTRACTUAL AGREEMENT WITH THE CLIENT AND IS DEPICTED ON THE SURVEY BY THE LINE TYPES SHOWN IN THE DRAWING LEGEND. FOR REFERENCE, THE QUALITY LEVELS ARE AS FOLLOWS:

   QUALITY LEVEL D - UTILITIES SHOWN BASED UPON REFERENCE MAPPING OR ORAL HISTORY. NOT FIELD VERIFIED.

   QUALITY LEVEL C - LOCATION OF UTILITY SURFACE FEATURES SUPPLEMENTS REFERENCE MAPPING. INCLUDES MARKOUT BY OTHERS.

   QUALITY LEVEL B - UTILITY LOCATION DATA IS COLLECTED THROUGH GEOPHYSICAL SENSING TECHNOLOGY TO SUPPLEMENT SURFACE FEATURES AND OR REFERENCE MAPPING. INCLUDES MARKOUT BY CONTROL POINT ASSOCIATES, INC./VISIONARY SUBSURFACE SOLUTIONS

   QUALITY LEVEL A - HORIZONTAL AND VERTICAL LOCATION OF UTILITIES ARE OBTAINED USING VACUUM EQUIPMENT EXCAVATION OR OTHER METHODS TO EXPOSE THE UTILITY. LOCATION SHOWN AT SINGLE POINT WHERE EXCAVATION OCCURRED UNLESS UTILITY WAS LOCATED PRIOR TO FILLING.

   ALL FOUR TYPES MAY NOT BE PRESENT ON THIS SURVEY.
4. THIS PLAN IS BASED ON A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. (THE SURVEYOR). INFORMATION PROVIDED BY THE CLIENT AND OTHER REFERENCE MATERIAL AS LISTED HEREON. CHANGES TO THE PROPERTY AFTER THE FIELD DATE ARE NOT THE RESPONSIBILITY OF THE SURVEYOR.
5. THIS SURVEY IS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NO. FHI251339, WITH A COMMITMENT DATE OF 05-27-2025. SEE EXCEPTIONS LIST FOR SURVEY RELATED EXCEPTIONS THAT APPEAR IN SCHEDULE B, PART II.

   THIS SURVEY DOES NOT ADDRESS OWNERSHIP AND POSSIBLE RIGHTS OF ADJOINING PROPERTIES.

   THIS SURVEY IS THE OPINION OF THE SURVEYOR AND IS NOT A LEGAL DECISION REGARDING PROPERTY BOUNDARY OR RIGHTS.
6. EXISTING FIRM: BY GRAPHIC PLOTTING ONLY PROPERTY IS PARTIALLY LOCATED IN: FLOOD HAZARD ZONE AE & AE (FLOODWAY) THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. BASE FLOOD ELEVATIONS DETERMINED. EL 271-273), FLOOD HAZARD ZONE A (THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. NO BASE FLOOD ELEVATIONS DETERMINED.), FLOOD HAZARD ZONE X SHADED (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE, AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.), & FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.) PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY. SURVEY DOES NOT ADDRESS ENVIRONMENTAL CONDITIONS OR LAND SUITABILITY.
8. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) GEOID 18, BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
   TEMPORARY BENCHMARKS SET:
   TBM-A: MAG NAIL SET IN ASPHALT, ELEVATION= 272.51' (SHEET 2)
   TBM-B: MAG NAIL SET IN ASPHALT, ELEVATION= 285.88' (SHEET 2)
   TBM-C: MAG NAIL SET IN ASPHALT, ELEVATION= 277.84' (SHEET 3)
   TBM-D: MAG NAIL SET IN ASPHALT, ELEVATION= 288.20' (SHEET 4)

   SEVEN (7) DAYS PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED.
   ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION. SURVEYOR IS NOT RESPONSIBLE FOR CONTRACTOR'S FAILURE TO COMPLY.
9. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
10. ANY DISCREPANCIES FOUND ON THE SURVEY SHOULD BE REPORTED TO THE SURVEYOR IMMEDIATELY.
11. THIS SURVEY WAS PREPARED FOR THE CLIENT, THE HANOVER COMPANY, AND INTENDED ONLY FOR THE USE BY THE CLIENT AS CONTRACTED FOR THE PROJECT AND THE PURPOSE ORIGINALLY INTENDED. NO FURTHER PARTIES OTHER THAN THOSE CERTIFIED HEREON SHALL RELY ON IT FOR ANY PURPOSE.
12. UNDERGROUND STORM SEWER AND SANITARY SEWER PIPES ARE DRAWN GRAPHICALLY ON THIS SURVEY AND SHOULD BE CONSIDERED APPROXIMATE. UNDERGROUND STORM AND SANITARY PIPES SHOULD BE VERIFIED INDEPENDENTLY AS TO THEIR LOCATION, SIZE AND TYPE BY THE CONTRACTOR OR DESIGN CONSULTANT PRIOR TO DESIGN OR CONSTRUCTION.
13. BUILDING DIMENSIONS SHOWN HEREON ARE MEASURED AT GROUND LEVEL OF BUILDING EXTERIOR.
14. ZONING REPORT WAS NOT PROVIDED AT TIME OF SURVEY.
15. NO DESIGNATED PARKING SPACES OBSERVED AT TIME OF SURVEY.
16. THERE IS NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELD WORK.
17. NO PROPOSED CHANGES IN STREET RIGHT OF WAY LINES HAVE BEEN MADE AVAILABLE TO THE SURVEYOR BY THE CONTROLLING JURISDICTION.
18. PLANIMETRIC AND TOPOGRAPHIC FEATURES WERE COMPILED BY SURVAIR FROM UAS DATA COLLECTED ON 06/20/2025. THE DATASET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA, EDITION 3 (2024) FOR A 5 CM RMSEH HORIZONTAL, 5 CM RMSEV NON-VEGETATED VERTICAL, AND 15 CM RMSEV VEGETATED VERTICAL ACCURACY CLASSES. ACTUAL ACCURACY WAS FOUND TO BE RMSEH = 5(CM), RMSEV NON-VEG = 4(CM), AND RMSEV VEG = 12(CM), BASED ON 9 CHECKPOINTS. SUPPLEMENTAL GROUND SURVEY CONDUCTED ON 07-12-2025.
19. THE WETLANDS LIMITS SHOWN ON THIS SURVEY ARE BASED ON WETLANDS FIELD IDENTIFICATION MARKERS PLACED BY VALLEY ENVIRONMENTAL SERVICES, INC., AND FIELD LOCATED BY CONTROL POINT ASSOCIATES INC.
20. A SUBSURFACE UTILITY MARKOUT WAS PERFORMED BY VISIONARY SUBSURFACE SOLUTIONS TO ASSIST IN THE LOCATION OF UNDERGROUND UTILITIES. UTILITIES WERE MARKED AND FIELD LOCATED ON 06-20-2025.

LEGEND

- HYDRANT
- ELECTRIC METER
- UNKNOWN MANHOLE
- SANITARY/SEWER MANHOLE
- TELEPHONE MANHOLE
- DRAINAGE/STORM MANHOLE
- WATER MANHOLE
- CATCH BASINS
- UNKNOWN VALVE
- CLEAN OUT
- POST
- MEAN HIGH WATER MARK (4' ONLY)
- WETLAND DELINEATION FLAG
- GUY WIRE
- UTILITY POLE
- UTILITY POLE/LIGHT POLE/SOLAR PANEL
- TRAFFIC SIGNAL POLE
- TRAFFIC SIGNAL
- METAL COVERS
- SIGN
- DOUBLE SIGN
- MAIL BOX
- BOLLARD
- METAL GUIDE RAIL
- FLAG POLE
- TREE STUMP
- DECIDUOUS TREE & TRUNK SIZE
- CONIFEROUS TREE & TRUNK SIZE
- FLOW DIRECTION

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY PENNSYLVANIA ONE CALL SYSTEM, INC. (1-800-242-1776) AND REQUESTED INFORMATION REGARDING THE LOCATION OF UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST.
SERIAL NUMBERS: 20251712990, 20251713009, 20251713010, 20251713023, 20251713024, 20251713040, & 20252262189

UTILITY COMPANY	PHONE NUMBER
CROWN CASTLE	800-654-3110/267-271-9781
WINDSTREAM ENTERPRISE/WHOLESALE	800-941-3430
HATFIELD TOWNSHIP	215-855-0900
HATFIELD TOWNSHIP MUNICIPAL AUTHORITY	215-822-9300
CHALFONT NEW BRITAIN TWP JT SEWAGE AUTH	267-736-2979
PECO AN EXELON COMPANY C/O USIC	484-681-5720
COMCAST	267-271-9781/215-285-8786
MONTGOMERY TOWNSHIP MONTGOMERY COUNTY	215-393-6900
NORTH WALES WATER AUTHORITY	215-699-4836 EXT. 1115
NORTH PENN WATER AUTHORITY	215-855-3617
NEW BRITAIN TOWNSHIP	215-822-3698
SOUTHEASTERN PA TRANSPORTATION AUTHORITY	215-580-8010
VERIZON BUSINESS FORMERLY MCI	919-414-2782
TEXAS EASTERN/ENBRIDGE	717-540-8330

THE COMMONWEALTH OF PENNSYLVANIA REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

SEE SHEET 3 OF 4 FOR EXHIBIT "A" DESCRIPTION

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

THIS SURVEY IS CERTIFIED TO:
HCI DP LAND ACQUISITION LLC
FIDELITY NATIONAL TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE "2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 7(a), 7(b)1, 7(c), 8, 9, 11(a), 13, 14, 16, 17, 18 & 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 07-12-2025.

NOT A VALID ORIGINAL DOCUMENT UNLESS SEALED WITH RED INK

08-25-2025
DATE

JAMES C. WEED
PENNSYLVANIA PROFESSIONAL LAND SURVEYOR #75250

NO.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN:	APPROVED:	DATE
2	ADDED OFFSITE TOPOGRAPHY	Z.J.R.	N.R.S.	J.A.A.	08-25-2025
1	PER WETLAND CONSULTANT COMMENTS	--	N.R.S.	J.A.A.	08-05-2025

FIELD DATE: 08-08-2025, 07-12-2025
FIELD BOOK NO.: 25-01, 25-01
FIELD BOOK PG.: 140, 126-128
FIELD CREW: Z.J.R, Z.J.R./A.B.
DRAWN: P.V.
REVIEWED: M.C.B.

ALTA/NSPS LAND TITLE SURVEY
HCI DP LAND ACQUISITION LLC
WALNUT STREET
T.M.P. #'s 26-001-099, 26-001-099-001, 26-001-099-002, & 26-001-099-003
NEW BRITAIN TOWNSHIP, BUCKS COUNTY
COMMONWEALTH OF PENNSYLVANIA

CONTROL POINT ASSOCIATES, INC.
WARREN, NJ 908.668.0099
MT. LAUREL, NJ 609.857.2899
TOMS RIVER, NJ 848.299.0855
NEWTOWN, PA 267.757.1045
SOUTHAMPTON, MA 908.668.0099
ALBANY, NY 518.251.7760
ROCHESTER, NY 585.563.1760
PHILADELPHIA, PA 215.723.7660
SILVER SPRING, MD 301.562.1465
WWW.CPASURVEY.COM

APPROVED:	DATE	SCALE	FILE NO.	SHEET
J.A.A./J.C.W.	7/30/2025	1" = 100'	02-240244-01	1 OF 4

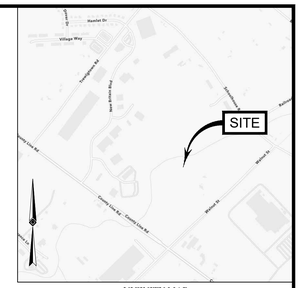
CONTROL POINT ASSOCIATES, INC. - ALL RIGHTS RESERVED
THIS DRAWING AND THE ORIGINAL PROJECT OR
THE BUSINESS ORIGINALLY ATTACHED WITHOUT THE WRITTEN PERMISSION OF CONTROL POINT ASSOCIATES, INC. IS PROHIBITED

MATCHLINE B - SHEET 4

MATCHLINE A - SHEET 3

PA/SPCS NAD83 (2011) SOUTH ZONE

VICINITY MAP


SITE
Village Way
Deerfield Dr
Deerfield Ln
Deerfield Rd
Deerfield Ln
Deerfield Rd
Deerfield Ln
Deerfield Rd

PA SPCS NAD83 (2011) SOUTH ZONE

EXHIBIT "A" DESCRIPTION:

ALL THOSE CERTAIN BUILDINGS, MESSUAGE AND PARCEL OF GROUND SITUATE IN THE TOWNSHIP OF NEW BRITAIN, COUNTY OF BUCKS AND COMMONWEALTH OF PENNSYLVANIA, BOUNDED AND DESCRIBED ACCORDING TO A SURVEY MADE BY HERBERT H. METZ, INC., REGISTERED ENGINEERS, FEBRUARY 1, 1965, AS FOLLOWS, TO WIT:

BEGINNING AT A POINT, AN IRON PIN, IN THE TITLE LINE ON THE SOUTHEAST SIDE OF EAST WALNUT STREET (33 FEET WIDE), IN LINE OF LAND OF THE NORTH PENNSYLVANIA RAILROAD COMPANY, AND IN LINE OF OTHER LAND OF EDWIN F. STEWART AND ELEANOR W. STEWART, HIS WIFE, AT A DISTANCE OF 744.06 FEET AS MEASURED NORTH 46 DEGREES 15 MINUTES EAST ALONG THE SOUTHEAST SIDE OF EAST WALNUT STREET AFORESAID (BEING ALSO THE NORTHWEST SIDE OF A 60 FEET WIDE STRIP OF LAND OF THE NORTH PENNSYLVANIA RAILROAD COMPANY - DOYLESTOWN BRANCH), FROM A POINT OF INTERSECTION THEREOF WITH THE CENTER LINE OF COUNTY LINE ROAD (S.H.R.R. NO. 09033,33 FEET WIDE); THENCE FROM SAID BEGINNING POINT, EXTENDING ALONG SAID OTHER LAND OF EDWIN F. STEWART AND ELEANOR W. STEWART, HIS WIFE, OF WHICH THIS WAS ONCE A PART, THE FOLLOWING TWO COURSES AND DISTANCES, TO WIT: (1) CROSSING THE BED OF EAST WALNUT STREET AFORESAID AND AN IRON PIN PLACED ON LINE ON THE NORTHWEST SIDE THEREOF AT A DISTANCE OF 33.52 FEET FROM THE BEGINNING POINT OF THIS LINE, NORTH 53 DEGREES 52 MINUTES WEST, 750.0 FEET, TO AN IRON PIN, A CORNER, AND (2) NORTH 73 DEGREES 03 MINUTES 30 SECONDS WEST, 217.61 FEET, TO AN IRON PIN, A CORNER, IN THE BED OF THE WEST BRANCH OF THE NESHAMINY CREEK, IN LINE OF LAND OF CLAIRE MALANEE; THENCE ALONG THE LINE OF LAND OF SAID CLAIRE MALANEE, NORTH 35 DEGREES 02 MINUTES WEST, 345.0 FEET, CROSSING SAID CREEK, TO AN IRON PIN, A CORNER, IN LINE OF OTHER LAND OF EDWIN F. STEWART AND ELEANOR W. STEWART, HIS WIFE, OF WHICH THIS WAS ALSO A PART; THENCE ALONG THE LINE OF SAID OTHER LAND, THE FOLLOWING THREE COURSES AND DISTANCES, TO WIT: (1) NORTH 54 DEGREES 58 MINUTES EAST, 560.0 FEET, CROSSING THE NORTHWEST BANK OF THE AFORESAID WEST BRANCH OF NESHAMINY CREEK, AND PARTLY ALONG THE BED THEREOF, TO AN IRON PIN, A CORNER IN THE BED OF SAID CREEK; (2) THENCE CONTINUING IN THE BED OF SAID CREEK, NORTH 78 DEGREES 22 MINUTES FEET 30 SECONDS EAST, 478.15 FEET, TO AN IRON PIN, A CORNER, IN THE BED OF SAID CREEK; AND (3) THENCE SOUTH 43 DEGREES 45 MINUTES EAST 930.0 FEET, CROSSING THE SOUTHEAST BANK OF SAID CREEK AND CROSSING THE BED OF EAST WALNUT STREET, AFORESAID, AND AN IRON PIN PLACED ON LINE ON THE NORTHWEST SIDE THEREOF AT A DISTANCE OF 33 FEET FROM THE END OF THIS LINE, TO AN IRON PIN, A CORNER, ON THE TITLE LINE ON THE SOUTHEAST SIDE OF SAID EAST WALNUT STREET, AND ON THE NORTHWEST SIDELINE OF LAND OF THE NORTH PENNSYLVANIA RAILROAD COMPANY AFORESAID; THENCE, EXTENDING ALONG THE TITLE LINE ON THE SOUTHEAST SIDE OF SAID EAST WALNUT STREET, IN LINE OF SAID LAND OF THE NORTH PENNSYLVANIA RAILROAD COMPANY, SOUTH 46 DEGREES 15 MINUTES WEST, 772.5 FEET, TO AN IRON PIN CORNER, THE POINT AND PLACE OF BEGINNING.

PARCEL 26-001-099-001

BEGINNING AT AN IRON PIN IN THE BED OF THE WEST BRANCH OF THE NESHAMINY CREEK, SAID BEGINNING POINT BEING AN INTERIOR PROPERTY CORNER COMMON TO SUB-PARCELS NO. B, C-1 AND C-2 OF SAID TRACT AND PLAN, AND BEING LOCATED AT A DISTANCE OF 930 FEET, AS MEASURED NORTH 43 DEGREES 45 MINUTES WEST, ALONG THE LINE DIVIDING THE AFORESAID SUB-PARCELS B AND C-1 OF SAID TRACT AND PLAN FROM AN IRON PIN, A POINT IN THE TITLE LINE ON THE SOUTHEAST SIDE LINE OF WALNUT STREET (33 FEET WIDE), SAID LATTER POINT, IN TURN, BEING LOCATED AT A DISTANCE OF 1,516.56 FEET, AS MEASURED NORTH 46 DEGREES 15 MINUTES EAST, ALONG THE TITLE LINE ON THE SOUTHEAST SIDE LINE OF WALNUT STREET AFORESAID, (BEING ALSO THE NORTHWEST SIDE OF 60 FEET WIDE LAND PARCEL OF THE NORTH PENNSYLVANIA RAILROAD COMPANY) FROM A POINT OF INTERSECTION WITH THE CENTER LINE OF COUNTY LINE ROAD (33 FEET WIDE); THENCE FROM THE AFORESAID BEGINNING POINT, AS AN INTERIOR SUB-PARCEL PROPERTY CORNER IRON PIN, EXTENDING ALONG THE LINE OF SUB-PARCEL B OF SAID TRACT AND PLAN, THE FOLLOWING TWO COURSES AND DISTANCES, TO WIT: (1) SOUTH 78 DEGREES 22 MINUTES 30 SECONDS WEST, 478.15 FEET TO AN IRON PIN, IN THE CENTER OF THE BED OF THE WEST BRANCH OF THE NESHAMINY CREEK, TO AN IRON PIN, A CORNER; AND (2) SOUTH 54 DEGREES 58 MINUTES WEST, 560 FEET EXTENDING PARTLY IN THE BED OF THE WEST BRANCH OF NESHAMINY CREEK, TO AN IRON PIN, A CORNER, IN LINE OF LAND NOW OR LATE OF CLAIRE MELANEE; THENCE ALONG THE LINE OF SAID LAND, THE FOLLOWING TWO COURSES AND DISTANCES, TO WIT: (1) NORTH 35 DEGREES 02 MINUTES WEST, 615.3 FEET TO A STONE, A CORNER; AND (2) NORTH 38 DEGREES 16 MINUTES EAST, 1,324.0 FEET TO A POINT, A CORNER, IN LINE OF LAND NOW OR LACE OF G.P. CLAIR, ET UX.; THENCE ALONG THE LINE OF SAID LAND, THE FOLLOWING THREE COURSES AND DISTANCES, TO WIT: (1) SOUTH 35 DEGREES 40 MINUTES 30 SECONDS EAST, 713.35 FEET TO A CONCRETE MONUMENT, A CORNER; (2) NORTH 52 DEGREES 20 MINUTES EAST, 534.78 FEET TO A CONCRETE MONUMENT, A CORNER; AND (3) SOUTH 35 DEGREES 31 MINUTES EAST, 618.22 FEET TO A POINT, A CORNER IN LINE OF SUB-PARCEL C-1 OF SAID TRACT AND PLAN AFORESAID, IN THE BED OF THE WEST BRANCH OF THE NESHAMINY CREEK, AFORESAID; THENCE ALONG THE LINE OF SAID SUB-PARCEL C-1, IN OR NEAR THE CENTER OF THE BED OF THE WEST BRANCH OF THE NESHAMINY CREEK, THE FOLLOWING TWO COURSES AND DISTANCES, TO WIT: (1) SOUTH 69 DEGREES 06 MINUTES WEST, 403.0 FEET TO AN ANGLE POINT; AND (2) SOUTH 58 DEGREES 01 MINUTE WEST, 426.88 FEET TO AN IRON PIN, THE POINT AND PLACE OF BEGINNING IN LINE OF SUB-PARCEL B AND SAID TRACT AND PLAN, AFORESAID.

BEING PARCEL 26-001-099

ALL THAT CERTAIN PARCEL OF LAND SITUATE IN THE TOWNSHIP OF NEW BRITAIN, COUNTY OF BUCKS, COMMONWEALTH OF PENNSYLVANIA, BEING BOUNDED AND DESCRIBED ACCORDING TO A SURVEY MADE BY HERBERT H. METZ, INC., JANUARY 29, 1965 AS LAST REVISED, DECEMBER 1966, AS FOLLOWS TO WIT:

BEGINNING AT A POINT AN IRON PIN IN THE TITLE LINE OF THE SOUTHEAST SIDE OF EAST WALNUT STREET, 33 FEET WIDE IN LINE OF LAND OF A NORTH PENNSYLVANIA RAILROAD COMPANY AND LINK BELT COMPANY, AND BEING ALSO THE CENTER LINE OF COUNTY LINE ROAD (S.H. R.R. NO. 09033 33 FEET WIDE); THENCE ALONG THE SAID COUNTY ROAD NORTH 53 DEGREES 40 MINUTES WEST 833.25 FEET TO AN IRON PIN SET FORTHTHE CENTER LINE OF COUNTY LINE ROAD; THENCE ALONG LANDS OF CLAIRE MALANEE, NORTH 36 DEGREES 52 MINUTES EAST, 658.1 FEET TO AN IRON PIN SET FOR A CORNER OF LANDS OF CLAIRE MALANEE AND OTHER LANDS OF THE GRANTEES (SUB-PARCEL B), THENCE SOUTH 73 DEGREES 03 MINUTES 30 SECONDS EAST 217.61 FEET TO AN IRON PIN, THENCE CONTINUING ALONG OTHER LANDS OF THE GRANTEES, SOUTH 53 DEGREES 52 MINUTES EAST, 750 FEET TO AN IRON PIN IN THE CENTER LINE OF EAST WALNUT STREET (WHICH SAID IRON PIN IS SET 16.76 FROM THE SIDE OF THE ROAD); THENCE SOUTH 46 DEGREES 15 MINUTES WEST THE DISTANCE OF 744.61 FEET TO THE FIRST, MENTIONED POINT AND PLACE OF BEGINNING (BEING DESIGNATED SUB-PARCEL A UPON SAID PLAN).

BEING PARCEL 26-001-099-002

ALL THAT CERTAIN LOT OR PARCEL OF GROUND, SITUATE IN NEW BRITAIN TOWNSHIP DESCRIPTION OF PART OF PROPERTY OF EDWIN F. STEWART AND ELEANOR W. STEWART HIS WIFE, DESIGNATED AS SUB-PARCEL C-1 ON A LOCATION SURVEY PLAN DATED JANUARY 29, 1965, AS REVISED JUNE 16, 1966, BY H. H. METZ, INC. REGISTERED ENGINEERS, LANSDALE, PENNSYLVANIA; SAID LAND BEING LOCATED IN NEW BRITAIN TOWNSHIP, BUCKS COUNTY, COMMONWEALTH OF PENNSYLVANIA.

BEGINNING AT A POINT MARKING THE INTERSECTION OF THE CENTER LINE OF SCHOOLHOUSE ROAD (33 FEET WIDE) WITH THE SOUTHEAST SIDE LINE OF WALNUT STREET (33 FEET WIDE), AS EXTENDED. BEING ALSO A POINT ON THE NORTHWEST SIDE, A 60 FEET WIDE RIGHT-OF-WAY LAND PARCEL OF THE NORTH PENNSYLVANIA RAILROAD COMPANY, AND IN LINE OF LAND FORMERLY OF HOWARD D. RUTH, ET UX. AND WILLARD D. RUTH, ET UX; THENCE, FROM SAID BEGINNING POINT, EXTENDING ALONG THE COMMON LAND TITLE PROPERTY LINE DIVIDING SAID STEWART LAND FROM LAND OF THE NORTH PENNSYLVANIA RAILROAD COMPANY (DOYLESTOWN BRANCH) AFORESAID, BEING ALSO THE SOUTHEAST SIDE LINE OF WALNUT STREET AFORESAID, SOUTH 46 DEGREES 15 MINUTES WEST, 1,211.70 FEET, TO AN IRON PIN, A CORNER, IN LINE OF LAND OF EDWIN F. STEWART, JR. AND BLANCHE W. STEWART, HIS WIFE; THENCE, ALONG THE LINE OF SAID LAND (IDENTIFIED AS PARCEL B ON SAID TRACT AND PLAN), CROSSING THE BED OF WALNUT STREET AFORESAID, NORTH 43 DEGREES 45 MINUTES WEST, 930.0 FEAT, TO AN IRON PIN, A CORNER, IN OR NEAR THE MIDDLE OF THE WEST BRANCH OF THE NESHAMINY CREEK, IN LINE OF OTHER LAND OF EDWIN P. STEWART, H/W, NOW IDENTIFIED AS SUB-PARCEL C-2 ON SAID TRACT AND PLAN, OF WHICH THIS WAS ONCE A PART; THENCE, ALONG THE LINE OF SAID LAND, BY THE APPROXIMATE MIDDLE LINE OF THE WEST BRANCH OF THE NESHAMINY CREEK, AFORESAID, THE FOLLOWING TWO COURSES AND DISTANCES, TO WIT: (1) NORTH 58 DEGREES 01 MINUTE EAST, 426.88 FEET, TO A POINT, A CORNER; (2) NORTH 69 DEGREES 06 MINUTES EAST, 403.0 FEET, TO A POINT, A CORNER, IN LINE OF LAND NOW OR LATE OF G.P. CLAIR, ET UX; THENCE, ALONG THE LINE OF SAID LAND, SOUTH 35 DEGREES 31 MINUTES EAST, 112.0 FEET, TO A POINT, A CORNER; THENCE, CONTINUING PARTLY ALONG THE LINE OF SAID LAND OF G.P. CLAIR, ET UX, AND PARTLY ALONG THE LINE OF LAND OF HOWARD D. RUTH, ET UX, AND WILLARD D. RUTH, ET UX, NORTH 72 DEGREES 48 MINUTES EAST, 411.30 FEET, TO A POINT IN THE CENTER LINE OF SCHOOLHOUSE ROAD, AFORESAID; THENCE, ALONG THE CENTER LINE OF SAID SCHOOLHOUSE ROAD, AND IN LINE OF OTHER LAND FORMERLY OF HOWARD D. RUTH, AT UX AND WILLARD D. RUTH, ET UX, THE FOLLOWING TWO COURSES ANDDISTANCES, TO WIT: (1) SOUTH 52 DEGREES EAST, 140.0 FEET; AND (2) SOUTH 55 DEGREES 05 MINUTES EAST, 258.0 FEET, TO THE POINT AND PLACE OF BEGINNING ON THE SOUTHEAST SIDE LINE OF WALNUT STREET AFORESAID, AS EXTENDED, AND IN LINE OF LAND OF THE NORTH PENNSYLVANIA RAILROAD.

BEING PARCEL 26-001-099-003

AS TO PARCEL 26-001-099-001

BEING THE SAME PREMISES WHICH ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL AS TO AN UNDIVIDED 2/3 INTEREST BY DEED DATED 10/01/2024 AND RECORDED 10/31/2024 IN BUCKS COUNTY IN INSTRUMENT NO. 2024045324 CONVEYED UNTO ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, AS TO AN UNDIVIDED TWO-NINTHS (2/9) INTEREST , ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, AS TO AN UNDIVIDED TWO-NINTHS (2/9) INTEREST, AND ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS AS TO AN UNDIVIDED TWO-NINTHS (2/9) INTEREST., IN FEE.

AS TO PARCEL 26-001-099

BEING THE SAME PREMISES WHICH ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL AS TO AN UNDIVIDED 1/3 INTEREST BY DEED DATED 10/17/2024 AND RECORDED 10/24/2024 IN BUCKS COUNTY IN INSTRUMENT NO. 2024044076 CONVEYED UNTO ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, AS TO AN UNDIVIDED ONE-NINTH (1/9) INTEREST , ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, AS TO AN UNDIVIDED ONE-NINTH (1/9) INTEREST, AND ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS AS TO AN UNDIVIDED ONE-NINTHS (1/9) INTEREST, IN FEE.

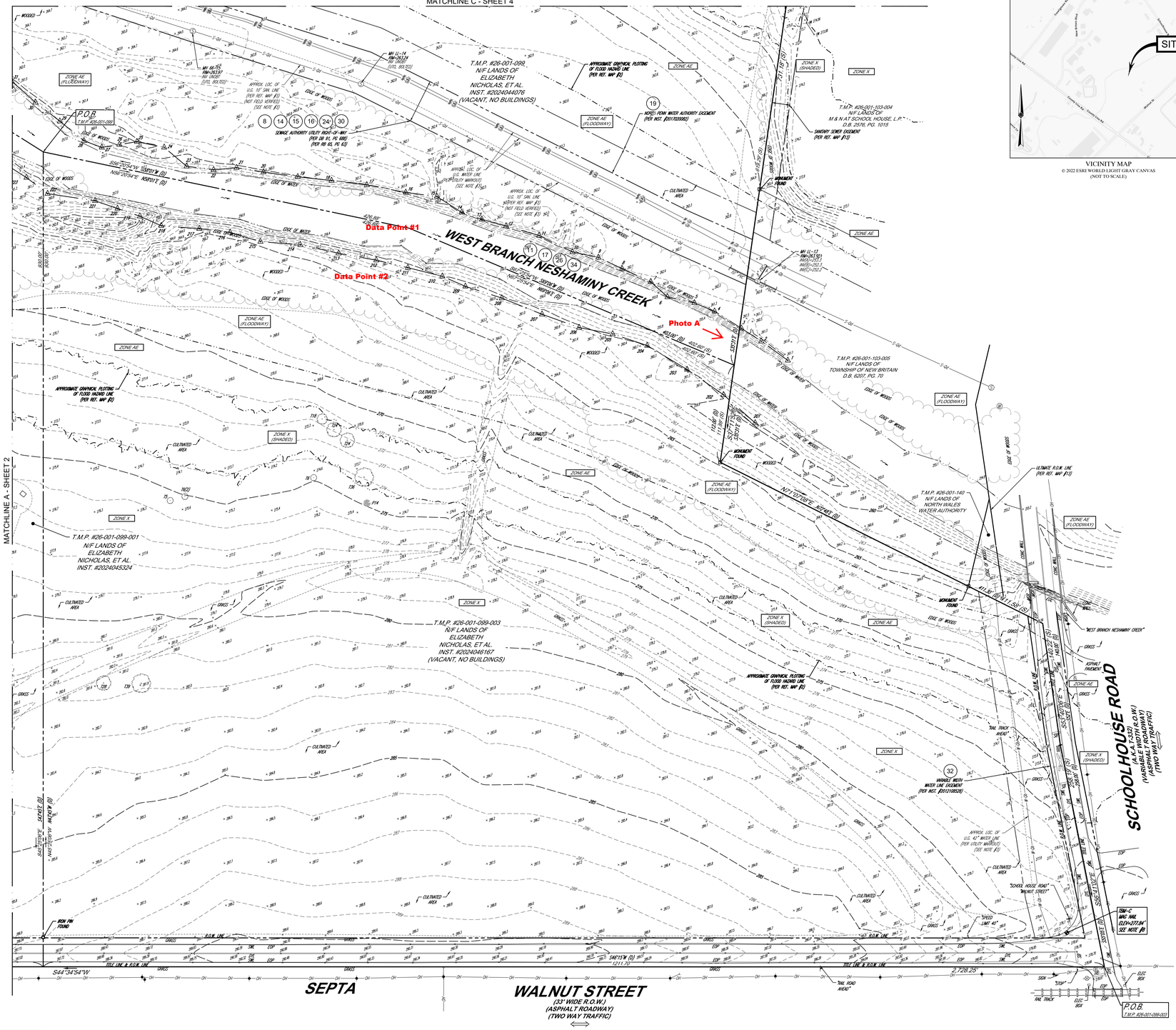
AS TO PARCEL 26-001-099-002

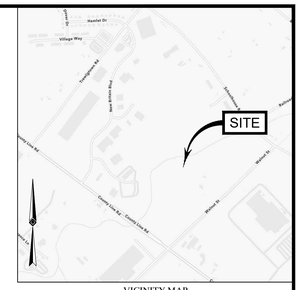
BEING THE SAME PREMISES WHICH ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL AS TO AN UNDIVIDED 1/2 INTEREST BY DEED DATED 10/17/2024 AND RECORDED 10/24/2024 IN BUCKS COUNTY IN INSTRUMENT NO. 2024044068 CONVEYED UNTO ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST , ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST, AND ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST, IN FEE.

AS TO PARCEL 26-001-099-003

BEING THE SAME PREMISES WHICH ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL AS TO AN UNDIVIDED 1/3 INTEREST BY DEED DATED 10/17/2024 AND RECORDED 11/06/2024 IN BUCKS COUNTY IN INSTRUMENT NO. 2024046167 CONVEYED UNTO ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, AS TO AN UNDIVIDED ONE-NINTH (1/9) INTEREST , ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, AS TO AN UNDIVIDED ONE-NINTH (1/9) INTEREST, AND ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS AS TO AN UNDIVIDED ONE-NINTH (1/9) INTEREST, IN FEE.

THE LAND SHOWN ON THIS SURVEY IS THE SAME AS THAT DESCRIBED IN A TITLE REPORT PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NO. PHI251339, WITH A COMMITMENT DATE OF 05-27-2025.





VICINITY MAP
© 2022 ESRI WORLD LIGHT GRAY CANVAS
(NOT TO SCALE)

LEGEND

EXISTING CONTOUR	APPROX. LOC. UNDERGROUND SANITARY LINE	MEAN HIGH WATER MARK		CONIFEROUS TREE & TRUNK SIZE
EXISTING SPOT ELEVATION	APPROX. LOC. UNDERGROUND DRAINAGE LINE	WETLAND DELINEATION FLAG	BFPH	BUILDING FOOTPRINT AREA
EXIST. TOP OF CURB ELEVATION	SUBSURFACE UTILITY QUALITY LEVEL B	GUY WIRE	DYL	DOUBLE YELLOW LINE
EXIST. BOTTOM OF CURB ELEVATION	SUBSURFACE UTILITY QUALITY LEVEL D	UTILITY POLE	EOC	EDGE OF CONC.
EXIST. TOP OF WALL ELEVATION	HYDRANT	UTILITY POLE/LIGHT POLE/SOLAR PANEL	EOP	EDGE OF PAVEMENT
EXIST. BOTTOM OF WALL ELEVATION	ELECTRIC METER	TRAFFIC SIGNAL POLE	MBW	MASONRY BLOCK WALL
EXIST. DOOR SILL ELEVATION	UNKNOWN MANHOLE	TRAFFIC SIGNAL	MC	METAL COVER
EXIST. GARAGE FLOOR ELEVATION	SANITARY/SEWER MANHOLE	METAL COVERS	SB	STOP BAR
OVERHEAD WIRES	TELEPHONE MANHOLE	SIGN	SWL	SOLID WHITE LINE
APPROX. LOC. UNDERGROUND COMM. LINE	DRAINAGE/STORM MANHOLE	DOUBLE SIGN	SYL	SOLID YELLOW LINE
APPROX. LOC. UNDERGROUND DRAINAGE LINE	WATER MANHOLE	MAIL BOX	TYP	TYPICAL
APPROX. LOC. UNDERGROUND ELECTRIC LINE	CATCH BASINS	BOLLARD	UTO	UNABLE TO OPEN
APPROX. LOC. UNDERGROUND NATURAL GAS LINE	UNKNOWN VALVE	METAL GUIDE RAIL	UNOBT	UNOBTAINABLE
APPROX. LOC. UNDERGROUND SANITARY LINE	CLEAN OUT	FLAG POLE	NOVP	NO OTHER VISIBLE PIPE
APPROX. LOC. UNDERGROUND WATER LINE	POST	TREE STUMP		UNKNOWN TERMINUS
		DECIDUOUS TREE & TRUNK SIZE		FLOW DIRECTION

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GRAPHIC SCALE
50 0 25 50 100 200
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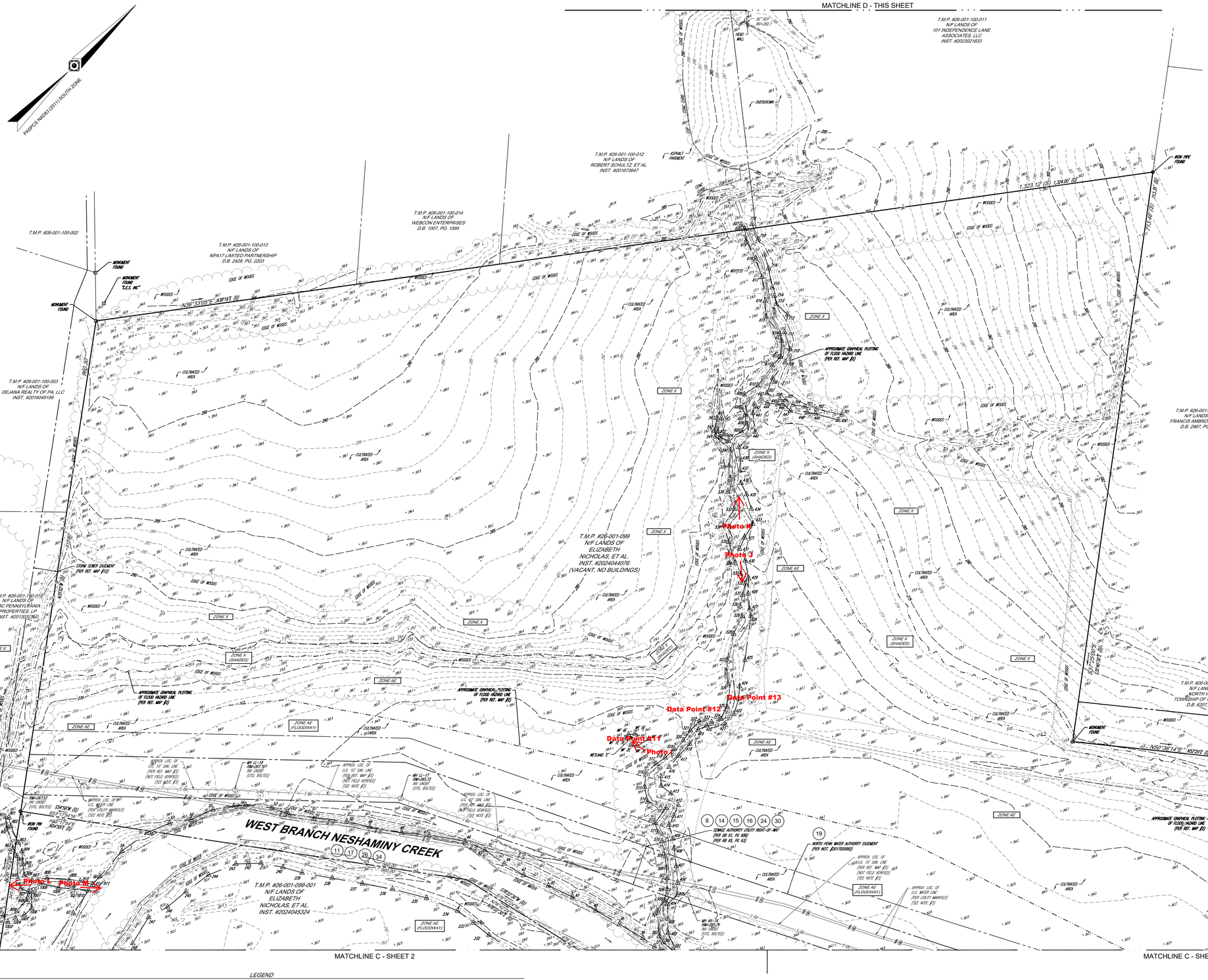
08-25-2025
JAMES C. WEED — DATE
PENNSYLVANIA PROFESSIONAL LAND SURVEYOR #75250

NO.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE
2	ADDED OFFSITE TOPOGRAPHY	Z.J.R.	N.R.S.	J.A.A.	08-25-2025
1.	PER WETLAND CONSULTANT COMMENTS	--	N.R.S.	J.A.A.	08-05-2025

FIELD DATE: 08-08-2025, 07-12-2025
FIELD BOOK NO.: 25-01, 25-01
FIELD BOOK PG.: 140, 126-128
FIELD CREW: Z.J.R., Z.J.R./A.B.
DRAWN: P.V.
REVIEWED: M.C.B.
APPROVED: J.A.A./J.C.W.
DATE: 7/30/2025
SCALE: 1" = 50'
FILE NO.: 02-240244-01
SHEET: 3 OF 4

ALTA/NSPS LAND TITLE SURVEY
HCI DP LAND ACQUISITION LLC
WALNUT STREET
T.M.P. #'s 26-001-099, 26-001-099-001, 26-001-099-002, & 26-001-099-003
NEW BRITAIN TOWNSHIP, BUCKS COUNTY
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LEGEND

EXISTING CONTOUR	APPROX. LOC. UNDERGROUND SANITARY LINE	MEAN HIGH WATER MARK	CONIFEROUS TREE & TRUNK SIZE
EXISTING SPOT ELEVATION	APPROX. LOC. UNDERGROUND DRAINAGE LINE	WETLAND DELINEATION FLAG	BUILDING FOOTPRINT AREA
EXIST. TOP OF CURB ELEVATION	SUBSURFACE UTILITY QUALITY LEVEL B	GUY WIRE	DOUBLE YELLOW LINE
EXIST. BOTTOM OF CURB ELEVATION	SUBSURFACE UTILITY QUALITY LEVEL D	UTILITY POLE	EDGE OF CONC.
EXIST. TOP OF WALL ELEVATION	HYDRANT	UTILITY POLE/LIGHT POLE/SOLAR PANEL	EDGE OF PAVEMENT
EXIST. BOTTOM OF WALL ELEVATION	ELECTRIC METER	TRAFFIC SIGNAL POLE	MASONRY BLOCK WALL
EXIST. DOOR SILL ELEVATION	UNKNOWN MANHOLE	TRAFFIC SIGNAL	METAL COVER
EXIST. GARAGE FLOOR ELEVATION	SANITARY/SEWER MANHOLE	METAL COVERS	STOP BAR
OVERHEAD WIRES	TELEPHONE MANHOLE	SIGN	SOLID WHITE LINE
APPROX. LOC. UNDERGROUND COMM. LINE	DRAINAGE/STORM MANHOLE	DOUBLE SIGN	SOLID YELLOW LINE
APPROX. LOC. UNDERGROUND DRAINAGE LINE	WATER MANHOLE	MAIL BOX	TYPICAL
APPROX. LOC. UNDERGROUND ELECTRIC LINE	CATCH BASINS	BOLLARD	UNABLE TO OPEN
APPROX. LOC. UNDERGROUND NATURAL GAS LINE	UNKNOWN VALVE	METAL GUIDE RAIL	UNOBTAINABLE
APPROX. LOC. UNDERGROUND SANITARY LINE	CLEAN OUT	FLAG POLE	NO OTHER VISIBLE PIPE
APPROX. LOC. UNDERGROUND WATER LINE	POST	TREE STUMP	UNKNOWN TERMINUS
		DECIDUOUS TREE & TRUNK SIZE	FLOW DIRECTION

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SEE SHEET 3 OF 4 FOR EXHIBIT "A" DESCRIPTION

GRAPHIC SCALE
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NO.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE
2	ADDED OFFSITE TOPOGRAPHY	Z.J.R.	N.R.S.	J.A.A.	08-25-2025
1	PER WETLAND CONSULTANT COMMENTS	--	N.R.S.	J.A.A.	08-25-2025

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08-25-2025
DATE

JAMES C. WEED
PENNSYLVANIA PROFESSIONAL LAND SURVEYOR #75250

FIELD DATE	08-08-2025 07-12-2025
FIELD BOOK NO.	25-01 25-01
FIELD BOOK PG.	140 126-128
FIELD CREW:	Z.J.R. Z.J.R./A.B.
DRAWN:	P.V.
REVIEWED:	M.C.B.

ALTA/NSPS LAND TITLE SURVEY

HCI DP LAND ACQUISITION LLC

WALNUT STREET
T.M.P. #'s 26-001-099, 26-001-099-001, 26-001-099-002, & 26-001-099-003
NEW BRITAIN TOWNSHIP, BUCKS COUNTY
COMMONWEALTH OF PENNSYLVANIA

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APPROVED:	DATE	SCALE	FILE NO.	SHEET
J.A.A./J.C.W.	7/30/2025	1" = 50'	02-240244-01	4 OF 4

1515 Market Street, Suite 920
Philadelphia, PA 19102
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EXHIBIT 8

Phase I Environmental Site Assessment
Farm Property – 56 Walnut Street
Chalfont, Bucks County, Pennsylvania 18914

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Farm Property
56 Walnut Street
Chalfont, Bucks County, Pennsylvania 18914



JUNE 23, 2025

PREPARED FOR:

Hanover Company
7200 Wisconsin Ave | Suite 820
Bethesda, MD 20814

PREPARED BY:

The Vertex Companies, LLC
400 Libbey Parkway
Weymouth, MA 02189
PHONE: 888-298-5162

June 23, 2025

Hanover Company
7200 Wisconsin Ave | Suite 820
Bethesda, MD 20814
Attn: Mr. Dan Gordon

RE: Phase I Environmental Site Assessment
Farm Property
56 Walnut Street
Chalfont, Pennsylvania 18914
VERTEX Project No. 105634

Dear Mr. Gordon:

The Vertex Companies, LLC (VERTEX) is pleased to submit this Phase I Environmental Site Assessment (ESA) report for the above-referenced property (the subject property). The purpose of this assessment was to identify Recognized Environmental Conditions (RECs) in connection with the subject property. A REC is defined as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment." It does not include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Our work was conducted in general conformance with proposal P.003964.25, dated May 6, 2025, executed on June 3, 2025, and in accordance with the general provisions of the E 1527-21 American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate as well as the U.S. Environmental Protection Agency's (USEPA) All Appropriate Inquiries (AAI) Final Rule of November 1, 2005, as amended December 15, 2022. As this report is being prepared following the USEPA's addition of perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) to the list of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)-defined hazardous substances, effective July 8, 2024, PFOS and PFOA have been included in VERTEX's analysis of hazardous substances. To the best of our knowledge, this Phase I ESA report is true and accurate.

VERTEX also assessed the subject property for the potential presence of asbestos-containing materials (ACMs), lead-based paint (LBP), water damage and suspect microbial growth, lead in drinking water, and oil and gas wells.

Please do not hesitate to contact us at your convenience should you have any questions or comments regarding this report or our recommendations. It has been a pleasure working with you on this project.

Sincerely,

The Vertex Companies, LLC



Alex Frayer
Assistant Project



Madalyn Kulas
Senior Consultant

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Farm Property
56 Walnut Street
Chalfont, Pennsylvania 18914
VERTEX Project No. 105634

1.0 SUMMARY

On June 3, 2025, The Vertex Companies, LLC (VERTEX) was contracted by Hanover Company to conduct a Phase I Environmental Site Assessment (ESA) of the farm property located at 56 Walnut Street in Chalfont, Bucks County, Pennsylvania (subject property). According to the Bucks County Board of Assessment (BCBOA), the subject property consists of four parcels of land totaling 90.0 acres, identified as Parcel Numbers 26-001-099, 26-001-099-001, 26-001-099-002, and 26-001-099-003. The subject property is improved with two, two-story residential structures and one barn constructed sometime before 1938. According to BCBOA, the subject property currently is owned by Elizabeth Nicholas and Siobhan Welsh.

The purpose of this assessment was to identify recognized environmental conditions (RECs) including controlled RECs (CRECs) and historical RECs (HRECs) in connection with the subject property. The following provides a summary of VERTEX's findings and conclusions. This executive summary does not contain all of the information that is included within the full report. As such, it is recommended that this report be read in its entirety in order to obtain an adequate understanding of the subject property and the information provided, and to ensure that any decisions or actions resulting from the use of this report are taken based upon a complete understanding of conditions at the subject property and at surrounding properties. Data gaps and limitations are documented in Section 8.0 of this report, and the scope of work is included in Section 11.0 of this report.

1.1 ASTM Findings and Opinions

- Based on review of historical information, it appears that the subject property was developed with two residences and a barn prior to 1938. The subject property has been used as a residence and agricultural land since at least 1938. No RECs were identified in connection with the historical or current use of the subject property.

- During the subject property reconnaissance, VERTEX observed one 275-gallon heating oil aboveground storage tank (AST) in the basement of the main residential structure (used for heating purposes) and one 275-gallon diesel AST in the maintenance shed adjacent to the barn (used for fueling farm equipment). In addition, one 275-gallon heating oil AST is reportedly located in the basement of the second on-site residential structure; however, the structure was occupied, and VERTEX was not provided access. No evidence of leaks or staining was noted in the vicinity of the ASTs observed by VERTEX and the current owner reported no releases associated with the third AST. No concerns were identified.

- VERTEX conducted a regulatory review that included a search of state and federal regulatory databases to identify environmental concerns for the subject property. The subject property was not identified on the databases reviewed.

- The subject property is located in a mixed-use area with residential and commercial/industrial properties. Prior to 1938, the surrounding properties consisted of agricultural land with scattered residential structures and farm outbuildings. By 1958, the southwestern adjoining property across County Line Road was developed with a large warehouse structure. By 1965, the northeastern adjoining property across Schoolhouse Road was developed with a residence. By 1971, the area across Walnut Street to the southeast had been developed with a large warehouse structure with a rail spur, and a few smaller commercial structures at the intersection of Walnut Street and County Line Road. By 1991, the area to the west and northwest of the subject property had been

cleared for a large commercial park, and two small warehouse structures had been constructed. Several other commercial warehouse structures were constructed in this area over the following two decades. By 2005, the daycare structure to the northeast had been constructed, and the pet resort property further to the north was constructed between 2010 and 2015. The sewer pump house to the northeast was also constructed sometime around 2015. No RECs were identified with respect to current or historical use of adjoining properties.

- VERTEX conducted a regulatory review that included a search of state and federal regulatory databases to identify environmental concerns for surrounding properties. Several facilities were identified within the ASTM search distances of the subject property. Based on distance, apparent gradient relationship, regulatory status, and/or other facility-specific characteristics, no RECs in connection with the subject property were identified with respect to these facilities, except for the North Penn – Area 5 Superfund site. Additional information is provided below.

- The North Penn – Area 5 site was added to the United States Environmental Protection Agency (USEPA) Superfund program National Priority List (NPL) in March 1989 due to volatile organic compound (VOC) contaminated groundwater, specifically trichloroethene (TCE), in the North Penn Water Authority service district. The site is comprised of three areas, called Operable Units (Ous), located within an approximately 1.5 square mile area. The subject property is located within OU2. A Record of Decision (ROD) for interim action at OU2 was issued in 2011 for the overburden portion of groundwater contamination. The bedrock portion of groundwater contamination will require a Feasibility Study before selecting a final remedy. The selected remedial action for overburden groundwater contamination includes the following: (1) investigation of the overburden groundwater to more fully delineate extent of contamination; (2) use of enhanced in-situ bioaugmentation to address VOC contamination in the overburden groundwater; (3) monitoring to evaluate the performance of enhanced in-situ bioaugmentation; and (4)

implementation of institutional controls to protect the integrity of the interim remedy and to prevent exposure to contamination.

The USEPA provided VERTEX with a technical memorandum completed by HydroGeoLogic, Inc. (HGL) and dated July 26, 2024. The memorandum documents the installation and sampling of several nested monitoring wells, as well as the sampling of existing wells, intended to further delineate the extent of contamination in OU-2. The investigation activities were completed in 2022 and 2023, and according to the current USEPA Project Manager (Ms. Sharon Fang), this is the most recent sampling information available for OU2. Groundwater was sampled at four locations on the subject property, at various depths in each location. Samples were analyzed for VOCs, and results were compared to the USEPA Maximum Contaminant Levels (MCL) drinking water standards. TCE was detected in several sampling locations above the MCL of 5 micrograms per liter (µg/L). Notably, TCE was not detected in exceedance of the MCL in the on-site potable water well. The presence of TCE-contaminated groundwater at the subject property represents a REC.

1.2 Non-ASTM Additional Services

In accordance with the scope of work, VERTEX conducted additional services as discussed in Section 9.0 of this report, including the assessment of asbestos-containing materials (ACMs), lead-based paint (LBP), water damage and suspect microbial growth, lead in drinking water, and oil and gas wells. Assessment of the additional services did not identify business environmental risks (BERs) associated with the subject property, except for the following:

- Based on the age of the subject property buildings, ACMs may be present. Suspect ACMs observed included tile flooring and associated mastics, ceiling tiles, and drywall. The materials assessed were observed to be in generally undamaged physical condition and

non-friable, except for the ceiling tile, which is friable but in good condition. A comprehensive survey has not been completed at the subject property.

- Based on the date of construction of the subject property buildings, it is possible that LBP is present. Painted finished building materials appeared to be in generally fair to good condition at the time of subject property inspection. Based on the residential use of the Dwelling, LBP is considered a BER to this investigation.

- Evidence of water intrusion and suspect mold growth was visible on the interior walls of the main residential building.

- The subject property residential dwelling is serviced by an onsite potable well. Due to the lack of water quality testing data which would contain information about lead in drinking water, the presence or absence of lead cannot be confirmed.

1.3 Conclusions and Environmental Professional Opinions

VERTEX has performed a Phase I ESA in conformance with the scope and limitations of ASTM E 1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process of the farm property located at 56 Walnut Street in Chalfont, Pennsyllvania. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. This assessment has revealed no RECs, CRECs, HRECs, or significant data gaps in connection with the subject property except for the following:

- TCE-contaminated groundwater, resulting from an off-site source (North Penn – Area 5 Superfund site), at the subject property is considered a REC.

Based on the interview with the USEPA Project Manager, VERTEX understands that remedial investigation of the groundwater contamination in OU2 of the North Penn Area 5 Superfund site

is ongoing, and that the USEPA is in negotiations with the potentially responsible parties (PRPs) to perform a Feasibility Study for potential groundwater cleanup strategies.

Additionally, VERTEX recommends that if the future development at the subject property is to be connected to the available municipal water supply, the existing water supply well should be properly abandoned in accordance with applicable state and local regulations.

The following BERs were identified at the subject property:

- The subject property is improved with two 275-gallon heating oil ASTs and one 275-gallon diesel AST. No evidence of a release was observed or reported at the ASTs.

VERTEX recommends that the ASTs are properly decommissioned prior to redevelopment activities.

- Based on the age of the subject property buildings, ACM may be present.

Prior to demolition/renovation activities or other activities that could potentially disturb suspect ACMs, sampling and analysis of suspect ACMs should be performed. Alternatively, the material can be assumed to contain asbestos and treated accordingly. Future activities that involve the disturbance or removal of confirmed or suspect ACMs are required to be conducted in accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) and other applicable local, state, and federal regulations.

- Based on the age of the subject property buildings, LBP may be present.

Prior to demolition/renovation activities or other activities that could potentially disturb suspect LBP, sampling and analysis of suspect LBP should be performed (e.g., demolition debris waste stream characterization).

- Evidence of water intrusion and suspect mold growth was visible on the interior walls of the main residential building.

Due to the presence of suspect mold growth, the areas should be tested and abated, if necessary, prior to occupancy. However, VERTEX understands that the residence will remain unoccupied until it is razed during proposed development activities.

- The subject property residential dwelling is serviced by an onsite potable well. Due to the lack of water quality testing data which would contain information about lead in drinking water, the presence or absence of lead cannot be confirmed.

Should the residential property be razed during future development and the potable well be properly abandoned, the potable well would no longer pose a BER.

2.0 SUBJECT PROPERTY AND VICINITY CHARACTERISTICS

2.1 Subject Property Description

The subject property is located at 56 Walnut Street in Chalfont, Bucks County, Pennsylvania. According to the Bucks County Board of Assessment, the subject property consists of the following:

SUBJECT PROPERTY SUMMARY		
PARCEL ID	**ADDRESS**	**SIZE (ACRES)**
26-001-099	N/A	32.46
26-001-099-001	56 Walnut Street	23.58
26-001-099-002	N/A	14.84
26-001-099-003	N/A	19.17

According to the Bucks County Board of Assessment, the subject property is owned by Elizabeth Nicholas and Siobhan Welsh. The subject property location is shown on Figure 1 - Locus Map.

2.2 Subject Property Improvements

The subject property is improved with two, two-story residential structures and one barn constructed sometime before 1938. The buildings are situated atop concrete foundations, and the two residential structures have full basements.

Exterior areas on-site consist of asphalt-paved driveways, landscaped areas, and agricultural land.

For a layout of the subject property, please refer to Figure 2 - Schematic. Photographic documentation of the subject property and surrounding areas is presented in Appendix A.

2.3 Tenant Operations

The main residential structure and barn are currently vacant. The smaller residential structure to the south is currently occupied by a private residential tenant. Hazardous substances and petroleum products observed at the subject property were limited to janitorial supplies, which appeared appropriately stored and were reportedly utilized in accordance with their labeling. A small maintenance shed located adjacent to the barn was observed to contain automotive/mechanical maintenance fluids and lubricants in containers of 5 gallons or fewer capacity, and a 275-gallon aboveground storage tank (AST), which appeared to be empty and out of use. Additionally, the two residential structures each have a 275-gallon fuel oil AST for heating. Please refer to Section 7.2 for additional information. No RECs or environmental concerns were identified with respect to current operations.

2.4 Current Uses of Adjoining Properties

The subject property was observed to be in a mixed commercial and residential area. Adjoining properties were observed (from the subject property or from public access areas) for signs of RECs and their potential to pose an environmental concern to the subject property. The uses and features of adjoining properties are described in the following table. Per ASTM 1527-21, adjoining properties are identified as those for which the "border […] is contiguous or partially contiguous with that of the subject property, or that would be contiguous or partially contiguous with that of the subject property but for a street, road, or other public thoroughfare separating them." The locations of these properties relative to the subject property are depicted on Figure 2 – Schematic.

NEARBY/ADJOINING PROPERTY SUMMARY		
DIRECTION	**PROPERTY USE**	**CONCERNS**
Northeast	Pabby's Pet Resort (101 Stewart Lane), The Goddard School (102 Stewart Lane), a residence (237 Schoolhouse Road), a municipal sewage pumping station, and undeveloped land	None
East	Schoolhouse Road, Walnut Street, and railroad, followed by West Branch Park	None
Southeast	Walnut Street, followed by railroad, followed by KEMA Laboratories (4379 County Line Road), Quad (4371 County Line Road), and undeveloped or agricultural land	
South	Walnut Street, County Line Road, and railroad, followed by Whistlestop Park (90 County Line Road)	None
Southwest	County Line Road, followed by Dorman Products (3400 E Walnut Street)	
West	Skyzone Trampoline Park (145 Liberty Lane), Schmidt Baking (141 Liberty Lane), Dejana Truck Equipment (121 Liberty Lane) MATCOR Inc. (101 Liberty Lane), Trelleborg Sealing Solutions (100 Independence Lane) Accu Systems, Roll Former Corporation (140 Independence Lane), and undeveloped land	None

2.5 Physical Setting Source(s)

Physical setting sources specified below were reviewed to provide information about the geology and hydrogeology of the subject property.

2.5.1 Topography

A review of the 2019 United States Geological Survey (USGS) Topographic Quadrangle Map of Doylestown, Pennsylvania indicates that the surface elevation of the subject property is approximately 265 feet above mean sea level. The topography of the subject property is generally flat. Topography in the surrounding area slopes toward Neshaminy Creek, which flows northeast through the center of the subject property.

2.5.2 Surface Water

Neshaminy Creek flows through the subject property in a northeasterly direction. It enters the subject property from beneath County Line Road at the southwestern edge of the subject

property, and exits beneath Schoolhouse Road, at the northeastern edge of the subject property.

2.5.3 Geologic Conditions

According to the United States Department of Agriculture (USDA) Web Soil Survey, soils at the subject property consist primarily of Reaville channery silt loam, Bowmansville-Knauers silt loam, Abbottstown silt loam, Rowland silt loam, Buckingham silt loam, and Readington silt loam.

Reaville channery soils are classified as non-hydric and somewhat poorly drained, and are typically found in drainageways, hillslopes, and uplands. Bowmansville-Knauers soils are classified as non-hydric and somewhat poorly drained and are typically found in floodplains and uplands. Abbottstown soils are classified as non-hydric and somewhat poorly drained and are typically found on hillslopes in piedmonts. Rowland soils are classified as non-hydric and moderately well drained and are typically found in floodplains and uplands. Buckingham soils are classified as non-hydric and somewhat poorly drained and are typically found in drainageways. Readington soils are classified as non-hydric and moderately well drained, and are typically found on hills, uplands, and piedmonts.

Bedrock outcrops were not observed during the subject property reconnaissance.

2.5.4 Groundwater

Based on surface topography and on-site surface water, groundwater on the subject property is expected to flow toward the on-site creek (Neshaminy Creek). Based on a recent groundwater investigation report reviewed by VERTEX (see Section 6.3), groundwater depth is anticipated to be within 20 feet below ground surface (bgs). Groundwater flow on the eastern side of the creek flows in a west-northwest direction. Groundwater flow on the western side of the creek is inferred to flow to the east. Actual local groundwater flow direction can be influenced by factors

such as local surface topography, underground structures, seasonal fluctuations, soil and bedrock geology, and production wells, none of which were considered during this study.

3.0 USER-PROVIDED INFORMATION

VERTEX requested the following information concerning the subject property from Hanover Company (User). A User Questionnaire was forwarded to the designated Client contact. The information requested in the User Questionnaire is intended to assist in gathering information that may be material to identify RECs in connection with the subject property. Information requested included:

- An evaluation of the presence of environmental cleanup liens for the subject property.
- Activity and use limitations (AULs) such as engineering controls (e.g., slurry walls, caps) and land use restrictions or institutional controls (e.g., deed restrictions, covenants) that may be in place for the subject property.
- Specialized knowledge that includes personal knowledge or experience related to the subject property or nearby properties based on professional experience or knowledge of the subject property.
- Fair market value (FMV) to evaluate whether the purchase price of any parcel was significantly below FMV.
- Obvious indicators that involve past or present spills, stains, releases, cleanups on or near the subject property.
- Common knowledge about use of specific chemicals, possible contamination, or past use of the subject property and surrounding area; and
- Reason for performing the ESA.

Hanover Company stated that the work was being conducted as part of due diligence activities in connection with the planned acquisition of the subject property and arranged for subject property access. VERTEX was not provided with a completed User questionnaire. The User informed VERTEX of the off-site Superfund facility and potential impacts to the subject property (refer to Section 6.3). No other responsive information regarding the subject property was provided by the User.

4.0 INTERVIEWS

VERTEX conducted interviews regarding the subject property history and the current operations with the following individuals:

INTERVIEWS	
NAME/TITLE/COMPANY	**INFORMATION PROVIDED**
Ms. Siobhan Welsh, current owner of the subject property	Provided information regarding the subject property history and operations. Escorted VERTEX during the subject property visit and answered questions regarding subject property operations.
Sharon Fang, Project Manager, USEPA	VERTEX conducted a phone interview with Ms. Fang to discuss the status of the off-site North Penn – Area 5 Superfund facility. The discussion centered around the documented groundwater impacts migrating from the facility onto the subject property, and the current groundwater concentrations at the subject property. Ms. Fang also provided a history of the investigations and status of the proposed remedial action. Refer to Section 6.3 for additional information.
Municipal Officials	Provided municipal information.

Information obtained from these interviews is discussed in relevant sections of this report. Please refer to Section 6.3 for a summary of information obtained from municipal inquiries.

5.0 HISTORICAL RECORDS REVIEW

Past land uses for the subject property and adjoining properties were assessed to identify historical practices or conditions that may have impacted the subject property. This was accomplished by reviewing historical information from several sources including but not limited to an interview with subject property representative(s) if available, review of available previous environmental reports and ownership records, and review of historical information obtained from regulatory sources, aerial photographs, city directories, and historical maps.

5.1 Historical Subject Property Use Summary

Based on review of historical information, it appears that the subject property was developed with two residences and a barn prior to 1938. The subject property has been used as a residence and agricultural land since at least 1938. No RECs were identified in connection with the historical or current use of the subject property.

5.2 Historical Adjoining Properties Use Summary

The subject property is located in a mixed-use area with residential and commercial/industrial properties. Prior to 1938, the surrounding properties consisted of agricultural land with scattered residential structures and farm outbuildings. By 1958, the southwestern adjoining property across County Line Road was developed with a large warehouse structure. By 1965, the northeastern adjoining property across Schoolhouse Road was developed with a residence. By 1971, the area across Walnut Street to the southeast had been developed with a large warehouse structure with a rail spur, and a few smaller commercial structures at the intersection of Walnut Street and County Line Road. By 1991, the area to the west and northwest of the subject property had been cleared for a large commercial park, and two small warehouse structures had been constructed. Several other commercial warehouse structures were constructed in this area over the following two decades. By 2005, the daycare structure to the northeast had been

constructed, and the pet resort property further to the north was constructed between 2010 and 2015. The sewer pump house to the northeast was also constructed sometime around 2015. No RECs were identified with respect to current or historical use of adjoining properties.

5.3 Previous Environmental Reports

VERTEX was not provided with previous environmental reports for review.

5.4 Prior Ownership

VERTEX obtained subject property ownership information from the Environmental Data Resources, Inc. (EDR) Environmental Lien and AUL Search 1980. The subject property currently is owned by Elizabeth Nicholas and Siobhan Welsh. Available ownership information for this property is summarized in the tables below.

DEED RECORDS REVIEW: PARCEL 26-001-099-001				
GRANTOR	**GRANTEE**	**DOCUMENT TYPE**	**DEED NUMBER**	**DATE**
Elizabeth Nicholas and Siobhan Welsh	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Deed	2024045324	10/31/2024
Edwin F. Stewart Jr. and Blanche W. Stewart	Trust for Edwin F. Stewart III	Deed	2578/601	1/24/2002
Edwin F. Stewart Jr. and Blanche W. Stewart	Edwin F. Stewart and Blanch W. Stewart et al	Deed	45/1912	5/4/1989
Edwin F. Stewart and Eleanor W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart	Deed	1790/1082	3/2/1965

DEED RECORDS REVIEW: PARCEL 26-001-099				
GRANTOR	**GRANTEE**	**DOCUMENT TYPE**	**DEED NUMBER**	**DATE**
Elizabeth Nicholas and Siobhan Welsh	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Deed	2024044076	10/24/2024
Edwin F. Stewart Jr. and Blanche W. Stewart	Elizabeth S. Nicholas	Deed	1995/1094	1/14/2000
Edwin F. Stewart Jr. and Blanche W. Stewart	Elizabeth S. Nicholas	Deed	1985/1505	12/28/1999

DEED RECORDS REVIEW: PARCEL 26-001-099				
GRANTOR	**GRANTEE**	**DOCUMENT TYPE**	**DEED NUMBER**	**DATE**
Edwin F. Stewart Jr. and Blanche W. Stewart	Elizabeth S. Nicholas	Deed	1750/652	1/7/1999
Edwin F. Stewart Jr. and Blanche W. Stewart	Elizabeth S. Nicholas	Deed	1741/1100	12/28/1998
Edwin F. Stewart Jr. and Blanche W. Stewart	Edwin F. Stewart and Blanch W. Stewart et al	Deed	45/1920	5/4/1989
Edwin F. Stewart and Eleanor W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart	Deed	1853/383	1/3/1967

DEED RECORDS REVIEW: PARCEL 26-001-099-002				
GRANTOR	**GRANTEE**	**DOCUMENT TYPE**	**DEED NUMBER**	**DATE**
Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Deed	2024044076	10/24/2024
Edwin F. Stewart Jr. and Blanche W. Stewart	Trust for Edwin F. Stewart III	Deed	1995/1089	1/14/2000
Edwin F. Stewart Jr. and Blanche W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart et al	Deed	1985/1509	12/28/1999
Edwin F. Stewart Jr. and Blanche W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart et al	Deed	45/1906	5/4/1989
Edwin F. Stewart and Eleanor W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart	Deed	1897/1187	5/17/1968

DEED RECORDS REVIEW: PARCEL 26-001-099-003				
GRANTOR	**GRANTEE**	**DOCUMENT TYPE**	**DEED NUMBER**	**DATE**
Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Deed	2024044076	10/24/2024
Edwin F. Stewart Jr. and Blanche W. Stewart	Elizabeth s. Nicholas	Deed	2578/596	1/24/2002
Edwin F. Stewart Jr. and Blanche W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart et al	Deed	45/1927	5/4/1989
Edwin F. Stewart and Eleanor W. Stewart	Edwin F. Stewart Jr. and Blanche W. Stewart	Deed	1850/695	6/23/1966

Ownership records dated prior to 1965 were not readily available for review. No environmental liens or AULs were noted through review of ownership records. Prior owners of the subject property were not available to be interviewed.

5.5 City Directories

VERTEX reviewed historical city directory information for the subject property and adjoining properties as provided by EDR. Excerpts from the city directory report are included in Appendix C. A summary of listings is presented below.

CITY DIRECTORY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
1971	Not listed	County Line Road: 4371: I-T-E Imperial	None
1976	Not listed	Schoolhouse Road: Residential listings County Line Road: 4371-4379: I-T-E Imperial	None
1982	Not listed	Schoolhouse Road: Residential listings County Line Road: 4371: Blue Ribbon Vending; B Brown Electric 4379: B Brown Electric	None
1987	Not listed	Schoolhouse Road: 237: Residential listings 324: C&C Truck Parts County Line Road: 4371: Webcraft Mail Systems 4379: BBC Brown Boveri	None
1992	Walnut Street: 56: Pat Nase	Schoolhouse Road: Residential listings County Line Road: 4371: Webcraft Mail Systems 4379: KEMA Powertest Inc. Walnut Street: 3400: Motormite Mfg.; Nimco Auto Product; R&B Inc.	None
1995	Walnut Street: 56: Pat Nase	Schoolhouse Road: Residential listings Liberty Lane: 121: Skee Ball Inc. County Line Road: 4371: Webcraft Mail Systems 4379: KEMA Powertest Inc. Walnut Street: 3400: FMC Corp; Nimco Auto Product	None

CITY DIRECTORY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
2000	Walnut Street: 56: Pat Nase	Schoolhouse Road: 237: Residential listings 324: Richard Henofer Carpenter Contractors; Sheehan Pipeline Construction Company Liberty Lane: 121: Skee Ball Inc. Independence Lane: 120: Doli Construction Corporation County Line Road: 4371: Webcraft Mail Systems Inc. 4379: KEMA Powertest Inc. Walnut Street: 3400: Culinary Crossing Inc.; Motormite Manufacturing; R&B Inc.	None
2005	Walnut Street: 56: Edwin P. Stewart	Schoolhouse Road: Residential listings Liberty Lane: 121: Skee Ball Inc. Independence Lane: 140: Roll Former Corp. MP County Line Road: 4371: Vertis Inc.; Webcraft LLC 4377: KEMA; Macro Corp. Walnut Street: 3400: Motormite Manufacturing; RB Management Inc.	None
2010	Walnut Street: 56: Blanche W. Stewart; Dann R. Erney	Schoolhouse Road: Residential listings Liberty Lane: 121: Skee Ball Inc. Independence Lane: 120: Doli Construction Corp. 140: Roll Former Corp. County Line Road: 4371: Vertis Direct Marketing; Webcraft LLC 4377: KEMA; Macro Corp. 4379: KEMA Powertest Inc.	None

CITY DIRECTORY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
2014	Walnut Street: 56: Dann R. Erney	Schoolhouse Road: Residential listings Liberty Lane: 101: MATCOR Corp. 121: Skee Ball Inc. 125: CairOne Construction Independence Lane: 100: Best Friend Product Co. 120: Doli Construction Corp. 140: Accusystems Corp.; Roll Former Corp. County Line Road: 4371: Vertis 4377: KEMA; Macro Corp. Walnut Street: 3400: Dorman Products	None
2017	Walnut Street: 56: Dann R. Erney	Schoolhouse Road: Residential listings Liberty Lane: 101: MATCOR 121: Skee Ball Inc. 125: CairOne Construction Independence Lane: 100: Trelleborg Sealing Solutions Colmar 120: Doll Construction Corp. 140: Accusystems Corp.; Roll Former Corp. County Line Road: 4371: Vertis 4375: George Allen Wastewater Management 4377: KEMA USA Walnut Street: 3400: Dorman Products	None

CITY DIRECTORY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
2020	Walnut Street: 56: Dann R. Erney	Schoolhouse Road: 237: Crane Man Inc.; Residential listings 324: Clauser Tree Care Liberty Lane: 101: MATCOR 141: Gourmet Bakery Distributors 145: Sky Zone Trampoline Park Independence Lane: 100: Sealing Solutions 120: Doli Construction Corp. 140: Accusystems Corp.; Roll Former Corp.; Core Technology Group Inc.; Robert Schultz County Line Road: 4371: Quad/Graphics Inc. 4375: George Allen Wastewater Management 4377: CP Rankin; DNV GL; Herman Amelink 4379: KEMA Powertest Inc. Walnut Street: 3400: Dorman Products; Andrea Getty; Lift Truck Techniques; R&B Distribution Stewart Lane: 101: Moser Group; Pabby's Pet Resort; Penn Forest LLP 102: Curious Kids Inc.; Goddard School	

The review of city directories did not identify RECs in connection with the subject property.

5.6 Aerial Photography

VERTEX reviewed aerial photographs including the subject property and adjoining properties. Copies of the aerial photographs are included in Appendix D. A summary of information obtained from the review is provided in the table below.

AERIAL PHOTOGRAPHY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
1938 1942 1950	The subject property appears to be developed with several crop fields, and three structures located near Walnut Street. These appear to be the currently existing two residences and barn. Neshaminy Creek is also present.	Schoolhouse Road, Walnut Street, and County Line Road are present to the northeast, southeast, and southwest of the subject property, respectively. The surrounding areas generally consist of crop fields.	None

AERIAL PHOTOGRAPHY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
1958	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except the southwestern adjoining property at the corner of Walnut Street and County Line Road has been developed with a large warehouse structure.	None
1965	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except the northeastern adjoining property at the corner of Walnut Street and Schoolhouse Road has been developed with a residence.	None
1968	The subject property appears generally unchanged.	The surrounding properties appear relatively unchanged, except a southeastern adjoining property appears to be under construction.	None
1971 1975 1981 1987	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except a southeastern adjoining property at the corner of Walnut Street and Schoolhouse Road has been developed with two commercial buildings, and the area previously under construction has been developed with a large warehouse structure.	None
1992	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except the land to the west and northwest of the subject property appears to have been cleared for a planned commercial park development. Two warehouse buildings have been constructed to the west of the subject property as part of this development.	None
1999	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except an additional commercial structure has been built to the northwest.	None
2005	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except an additional commercial structure has been built to the northwest, and the area to the northeast appears to be under construction.	None
2010	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except two additional warehouse structures have been built to the west, and the property to the northeast appears to be developed with the current daycare development. The large commercial warehouse property to the southeast appears to have been developed with an additional smaller structure.	None

AERIAL PHOTOGRAPHY REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
2015	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except an additional warehouse has been built to the west, and an additional commercial structure has been constructed to the north. The current sewage pumping station also appears to have been constructed to the northeast.	None
2019 2022	The subject property appears generally unchanged.	The surrounding properties appear generally unchanged, except an additional warehouse has been built to the west.	None

The review of historical aerial photographs did not identify environmental concerns in connection with the subject property.

5.7 Topographic Maps

VERTEX reviewed historical topographic maps including the subject property and surrounding areas. Copies of the topographic maps are included in Appendix E. A summary of information obtained from the review is provided in the table below.

TOPOGRAPHIC MAP REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
1890 1891 1894 1941 1942	The subject property is depicted as undeveloped land. Neshaminy Creek is depicted on the subject property.	Schoolhouse Road and County Line Road are depicted along the northeast and southwest boundaries of the subject property, respectively. A railroad is depicted along the southeastern boundary of the subject property.	None
1943	One small structure is depicted near the southeastern boundary of the subject property.	The surrounding properties are depicted as undeveloped land, with scattered small structures depicted throughout, likely representing residential structures and/or farm outbuildings. Walnut Street is now depicted along the southeastern boundary of the subject property.	None
1953	Three small structures are depicted on the subject property, roughly corresponding to the locations of the current residential structures and barn.	The surrounding properties are depicted as undeveloped land with scattered small structures. The southwestern adjoining property is depicted with a large warehouse structure.	None

TOPOGRAPHIC MAP REVIEW			
YEAR	**SUMMARY (ON-SITE)**	**SUMMARY (OFF-SITE ADJOINING)**	**CONCERNS**
1968 1969	Appears similar to the 1953 map.	The surrounding properties are depicted as undeveloped land with scattered small structures. The southwestern adjoining property is depicted with a large warehouse structure. Two commercial structures with a railroad spur are depicted to the southeast.	None
1973 1980 1983 1992 1996	Appears similar to the 1968/1969 map.	The commercial structure to the southeast has been expanded. Two commercial structures are now depicted to the south at the corner of Walnut Street and County Line Road.	None
1999	Appears similar to the 1992/1996 map	Several commercial structures are now depicted to the west and northwest of the subject property.	None
2013 2016 2019	No specific features are depicted on the map other than the roadways surrounding the subject property.	No specific features depicted on the map other than the roadways surrounding the subject property.	None

The review of historical topographic maps did not identify environmental concerns in connection with the subject property.

5.8 Sanborn Fire Insurance Maps

A search for Sanborn Fire Insurance maps was requested by VERTEX. According to EDR Sanborn, Inc., maps depicting the subject property were not available (Appendix F).

6.0 REGULATORY RECORDS REVIEW

VERTEX obtained a regulatory database report as specified in Section 12.0. Review of databases and files from federal, state, and local environmental regulatory agencies was used to identify use, generation, storage, treatment, or disposal of hazardous substances and petroleum products, or release incidents of such materials that might have impacted the subject property. The databases discussed in the following sections address ASTM requirements. Additional federal and state databases may have also been reviewed, and if so, are included in the discussion below. A copy of the database report is included in Appendix G.

VERTEX's review of these listings assessed the potential for soil, groundwater, and/or soil vapor impacts to the subject property from on-site listings or listings at surrounding facilities, considering such factors as the assumed groundwater depth and flow direction, regulatory status, distance from the subject property, and other information reported by the regulatory database(s) and/or other sources of information.

In addition to the regulatory databases, EDR maintains proprietary databases of historical auto stations, dry cleaners, and manufactured gas plants. These databases are based on aggregation of historical resource data and are not produced by local, state or federal agencies. As such, VERTEX reviews these databases as a part of the historical resource review and includes information from these listings where appropriate.

The database report includes an orphan summary. This summary identifies facilities that are listed on one of the above-referenced databases or lists but do not include complete or accurate geographic data. Consequently, EDR was unable to map the facilities in relation to the subject property. VERTEX reviewed the orphan summary prior to visiting the subject property and surrounding properties. Orphan properties located within ASTM search distances of the subject property (if any) were incorporated into VERTEX's review.

6.1 On-Site Listings

The subject property was not listed in the regulatory database reviewed. However, the subject property is located within the North Penn Area 5 Superfund site. This site is further discussed in section 6.3.

6.2 Off-Site Listings

A review of state and federal regulatory records revealed several facilities within ASTM-specified search radii of the subject property. Of these facilities, those located within 500 feet of the subject property are discussed in the table below. The North Penn Area 5 Superfund site, which is located partly on the subject property, is discussed in Section 6.3. The remaining database listings are not considered an environmental concern to the subject property based on distance, regulatory status, and/or apparent groundwater gradient and are not further discussed.

OFF-SITE STATE AND FEDERAL LISTINGS			
FACILITY	**DISTANCE AND DIRECTION/ GRADIENT**	**REGULATORY STATUS**	**CONCERNS**
KEMA Powertest LLC 4379 County Line Road	Adjoining southeast/ Up-gradient	**Manifest**: Listed for the disposal of hazardous waste including oil-based paint originating from the facility in 2021. **Facility Index System (FINDS):** Listed for an active Pennsylvania Department of Environmental Protection (PADEP) air quality permit. No violations were noted. Based on the lack of reported releases or violations, this listing does not represent a REC to the subject property.	None
FMC Corporation 3400 Walnut Street	Adjoining southwest/ Up-gradient	**Resource Conservation & Recovery Act (RCRA) Non-Generators (NonGen/NLR), Manifest**: Listed for being a former generator of hazardous wastes, including ignitable wastes. No violations were reported. Based on the lack of reported releases or violations, this listing does not represent a REC to the subject property.	None

OFF-SITE STATE AND FEDERAL LISTINGS			
FACILITY	**DISTANCE AND DIRECTION/ GRADIENT**	**REGULATORY STATUS**	**CONCERNS**
R&B 3400 Walnut Street	Adjoining southwest/ Up-gradient	**RCRA Very Small Quantity Generators (VSQG), Enforcement & Compliance History Online (ECHO), FINDS**: Listed for being a generator of hazardous waste, including ignitable waste and benzene. No violations were reported. **Underground Storage Tank (UST) Finder, Archive UST:** Listed for one 1,000-gallon diesel fuel UST and two 30,000-gallon heating oil USTs. All were reportedly removed in 1990. Based on the lack of reported releases and the fact the USTs have been removed, this listing does not represent a REC to the subject property.	None
Dorman Products 3400 Walnut Street	Adjoining southwest/ Up-gradient	**Manifest**: Listed for the disposal of hazardous waste including aerosols, toluene, isopropyl alcohol, and sodium hydroxide solutions originating from the facility in 2023. Based on the lack of reported releases or violations, this listing does not represent a REC to the subject property.	None
Skee Ball Inc. 121 Liberty Lane	Adjoining west/ Up-gradient	**RCRA-VSQG, Manifest, FINDS, ECHO:** Listed for being a generator of hazardous waste, including ignitable wastes and spent halogenated and nonhalogenated solvents. No violations were reported. Based on the lack of reported releases or violations, this listing does not represent a REC to the subject property.	None
MATCOR Inc. 101 Liberty Lane	Adjoining west/ Up-gradient	**Manifest**: Listed for the disposal of hazardous waste including waste amines originating from the facility in 2015 and 2019. Based on the lack of reported releases or violations, this listing does not represent a REC to the subject property.	None
Vertis Direct Marketing/Webcraft Tech 4371 County Line Road	Adjoining west/ Up-gradient	**Leaking USTs (LUST), UST Finder, UST Finder Release**: Listed for a release of diesel fuel to soil media at the site from a UST in 1993. The case is listed as closed as of June 1995, with no further action required. **Voluntary Cleanup Program (VCP), Land Recycling & Cleanup:** Listed for remediation activities involving soil contaminated with fuel oil at the facility. Based on the details provided, remediation was completed as of September 22, 2021. Given the lack of groundwater contamination reported and the closed regulatory status, this listing does not represent a REC to the subject property.	None

OFF-SITE STATE AND FEDERAL LISTINGS			
FACILITY	**DISTANCE AND DIRECTION/ GRADIENT**	**REGULATORY STATUS**	**CONCERNS**
Quad Graphics Marketing Inc. 4371 County Line Road	Adjoining east/ Up-gradient	**Polyfluoroalkyl Substances (PFAS) ECHO**: Listed for site operations typically associated with PFAS. It should be noted that the facility's presence in this database does not necessarily indicate the use or presence of PFAS at the facility. Based on the lack of violations or reported releases, this listing does not represent a REC to the subject property.	None

6.3 Additional Environmental Record Sources

VERTEX contacted local agencies to request information relevant to the subject property and vicinity. A summary of the agencies contacted, and the information obtained is included in the following table.

LOCAL RESEARCH SUMMARY			
OFFICE	**REQUEST METHOD**	**INFORMATION OBTAINED**	**CONCERNS**
Bucks County Board of Assessment	Online review via Appraisal District website on 6/9/2025	VERTEX obtained the assessor card and detailed property information for the subject property.	None
New Britain Township Building Department	Records request submitted on 6/16/2025	VERTEX requested available records from the building and code enforcement department including various building permits and subject property plans. At the time of writing this report, a response has not yet been received.	Response Pending
New Britain Township Fire Department	Records request submitted on 6/16/2025	VERTEX requested information regarding hazardous materials at the subject property as well as records pertaining to storage tanks and incident reports, if any. At the time of writing this report, a response has not yet been received.	Response Pending
New Britain Township Water & Sewer Services	Records request submitted on 6/16/2025	VERTEX requested the information regarding the subject property's connection to public water and sewer systems. At the time of writing this report, a response has not yet been received.	Response Pending
Pennsylvania Department of Environmental Protection	Records request submitted on 6/16/2025	VERTEX requested any available information on file for the subject property. At the time of writing this report, a response has not yet been received.	Response Pending

LOCAL RESEARCH SUMMARY			
OFFICE	**REQUEST METHOD**	**INFORMATION OBTAINED**	**CONCERNS**
United States Environmental Protection Agency	Phone interview and email request on 06/03/2025	On 06/03/2025, VERTEX conducted a phone interview with Ms. Sharon Fang, Project Manager with USEPA Region 3, to determine the status of the off-site North Penn – Area 5 Superfund facility. Additional information is provided below.	Discussed below

United States Environmental Protection Agency

The North Penn – Area 5 site was added to the Superfund program's NPL in March 1989. It is located in the vicinity of Colmar and Hatfield Township in the eastern part of Montgomery County, with a portion of the site extending onto the subject property in New Britain Township of Bucks County. The site is comprised of three areas of VOC-contaminated groundwater, called OUs, located within approximately 1.5 square miles generally bounded by Richardson Road to the southeast, Bethlehem Pike (Route 309) to the west, Trewigtown Road to the northwest, and Schoolhouse Road to the east. The subject property is partially located within OU2.

OU2 is located in the vicinity of a facility formerly owned and operated by Stabilus Inc. at 92 County Line Road, approximately 650 feet east-southeast of the subject property. Stabilus Inc. manufactured gas springs used in the automobile industry and other mechanical equipment. This facility is currently owned by a developer and is vacant. A ROD was issued in 2011 for the overburden portion of groundwater contamination at OU2. The bedrock portion of groundwater contamination will require a Feasibility Study before selecting a final remedy.

The selected remedial action for the overburden portion of the groundwater contamination within OU2 includes: (1) investigation of the overburden groundwater to more fully delineate extent of contamination; (2) use of enhanced in-situ bioaugmentation to address VOC contamination in the overburden groundwater; (3) monitoring to evaluate the performance of enhanced in-situ bioaugmentation; and (4) implementation of institutional controls to protect the integrity of the interim remedy and to prevent exposure to contamination.

The USEPA provided VERTEX with a technical memorandum completed by HGL and dated July 26, 2024. The memorandum documents the installation and sampling of several nested monitoring wells, as well as the sampling of existing wells, intended to further delineate the extent of contamination in OU2. The investigation activities were conducted in 2022 and 2023.

Groundwater was sampled at four locations on the subject property: one previously existing monitoring well located near the center of the subject property north of the main residential structure (RI-16), two new boreholes along Walnut Street on the south side of the subject property (RI-17 and EPA-04), and the existing potable water well near the main residential structure. Samples were analyzed for VOCs, and results were compared to the USEPA MCL drinking water standards. The MCL for TCE is 5 µg/L. Results for the wells located on the subject property are summarized below:

- At well cluster RI-16, the TCE concentrations were below the MCL at the shallowest interval (RI-16S), but above the MCL at the intermediate and deep intervals:
    - RI-16I: 27 µg/L.
    - RI-16D: 10 µg/L.

- At well cluster RI-17 ("Borehole A"), TCE concentrations were above the MCL in all intervals, except for the deepest interval at 368-400 feet bgs. The concentrations were as follows ("J" indicates the analyte was detected but the result is an estimate):
    - 87-107 feet bgs: 36 J µg/L
    - 254-274 feet bgs: 21 J µg/L.
    - The TCE concentration at RI-17D was 240 J µg/L.
    - The TCE concentration at RI-17S was below the MCL.

- At well cluster EPA-04 ("Borehole B"), concentrations of TCE were above the MCL in each interval as follows:
    - 30-40 feet bgs: 32 J µg/L.

  - 288-313 feet bgs: 140 J µg/L.
  - 355-400 bgs: 18 J µg/L.

- In the residential potable water well, TCE was not detected above the MCL.

The memorandum recommended additional groundwater sampling to verify the sample results from the newly installed monitoring wells. HGL also recommended that the existing monitoring wells should be sampled again to further evaluate and assess concentration trends in groundwater. A copy of the above memorandum is included in Appendix B.

Based on the above information, the presence of TCE-contaminated groundwater at the subject property is considered a REC.

7.0 SUBJECT PROPERTY RECONNAISSANCE

A subject property reconnaissance was conducted by VERTEX representative Alex Frayer, Assistant Project Manager, on June 10, 2025, between 10:00 a.m. and 11:00 a.m. Siobhan Weaver, current owner of the subject property, escorted VERTEX during the subject property visit and answered questions regarding subject property operations.

During the subject property visit, the weather was overcast with a temperature of approximately 70^{o} Fahrenheit. The subject property visit consisted of a walk-through of the subject property and visual reconnaissance of neighboring properties from curbside. Photographic documentation of the subject property visit is included in Appendix A.

7.1 Access Restrictions

VERTEX notes that the subject property is a large 90-acre tract of land comprised of dense vegetation, surface bodies of water, and crop fields in addition to the two residential structures and barn. Therefore, the entire subject property was not reasonably accessible at the time of VERTEX's subject property reconnaissance. Additionally, the southern residential structure was occupied and could not be accessed by VERTEX at the time of the subject property reconnaissance. At the time of our subject property reconnaissance, the subject property contact was interviewed to identify areas of potential environmental concern historically and/or currently present at the subject property. Those identified (if any) were observed at the time of the subject property reconnaissance to the best of our ability.

7.2 Subject Property Observations

Observations of subject property conditions were made during the subject property reconnaissance and are summarized in the table below. Issues of potential concern are discussed in greater detail following the table.

SUBJECT PROPERTY OBSERVATIONS		
DESCRIPTION	**REPORTED/ OBSERVED ON-SITE Y/N**	**COMMENTS**
Hazardous Substances and Petroleum Products	Y	The subject property currently utilizes small quantities of cleaning and maintenance chemicals, which appeared appropriately stored and were reportedly utilized in accordance with their labeling. A small maintenance shed located adjacent to the barn was observed to contain automotive/mechanical maintenance fluids and lubricants in containers of 5 gallons or fewer, and a 275-gallon AST, which appeared to be empty and out of use. Additionally, the two residential structures each have a 275-gallon fuel oil AST for heating. No staining, odors, or other indications of a release of hazardous substances were observed. Thus, no concerns were identified.
UST(s)	N	VERTEX did not observe fill pipes, vent pipes or other evidence of UST(s). VERTEX did not observe operations and/or equipment that are typically associated with significant fuel or chemical storage that typically utilizes USTs.
AST(s)	Y	A 275-gallon fuel oil AST was observed in the basement of the main residential structure. There is reportedly also a 275-gallon fuel oil AST in the basement of the occupied residential structure to the south, which VERTEX was unable to access. Another 275-gallon diesel AST was observed in the maintenance shed, and appeared to have been used for on-site equipment fueling purposes; however, it is reportedly out of use. No staining, odors, or other indications of a release of hazardous substances were observed in the vicinity of the ASTs. The owner noted no releases associated with the AST no observed by VERTEX. No concerns were identified.
Strong, Pungent, or Noxious Odors	N	Not identified during the subject property visit.
Pools of Liquid	N	Not identified during the subject property visit.
Drums	N	Not identified during the subject property visit.
Unidentified Substance Containers	N	Not identified during the subject property visit.
Polychlorinated Biphenyls (PCB)-containing Equipment	N	One pad-mounted transformer was observed to the south of the main residential structure. VERTEX did not observe evidence of leaks or staining on or around the inferred utility-owned transformer.
Utilities (Electricity/ Natural Gas)	Y	The subject property is supplied with electric service. Natural gas service was not observed.
Hydraulic Equipment	N	Not identified during the subject property visit.
Water Supply	N	The subject property is not connected to the public water supply.
Wells	Y	A water supply well was observed to the north of the main residential structure.
Wastewater	Y	Wastewater discharges from the subject property are limited to domestic discharges with no indicated process/industrial type discharges. Sewer service is reportedly provided to the subject property by the Township of New Britain. The date the subject property was connected to the municipal system was not identified at the agencies contacted.

SUBJECT PROPERTY OBSERVATIONS		
DESCRIPTION	**REPORTED/ OBSERVED ON-SITE Y/N**	**COMMENTS**
Septic	N	Not identified during the subject property visit or historical and municipal research conducted.
Stormwater	Y	Stormwater at the subject property infiltrates directly into unpaved surfaces or flows into the on-site body of water.
Pits, Ponds, Lagoons	N	Not identified during the subject property visit.
Stained Soil, Stained Pavement, Corrosion to Pavement	N	Not identified during the subject property visit.
Stressed Vegetation	N	Not identified during the subject property visit.
Solid Waste	Y	Solid waste is collected in several waste bins throughout the subject property. No evidence of a release of hazardous substances or petroleum products was observed in the area of any waste containers.
Hazardous Waste Management	N	Not identified during the subject property visit.
Heating/Cooling	Y	The subject property building is heated by oil-fired HVAC equipment. Fuel oil ASTs are discussed in the AST section above. Air conditioning/cooling systems were not observed on the subject property.
Drains, Sumps, Oil/Water Separators/Sand Traps	Y	Two floor drains were observed on the north side of the ground floor of the barn. No evidence of a release of hazardous materials was observed in the vicinity of the floor drains. The floor drains are reportedly connected to the sanitary sewer system.
PFOA and PFOS	N	PFOA (Perfluorooctanoic acid) and PFOS (Perfluorooctanesulfonic acid) are two of the more widely studied per-and polyfluoroalkyl substances (PFAS), and as of July 8, 2024 have been designated hazardous substances pursuant to CERCLA. The USEPA has identified certain industries and operations as having an increased likelihood for the use of PFAS chemicals. VERTEX evaluated available information concerning current and historical uses of the subject property and found no indication of an elevated risk of a release of PFOA or PFOS at the subject property. No RECs in connection with these two substances were identified.
Vapor Intrusion	Y	As part of this assessment, VERTEX assessed the potential for impacts to the subject property from potential on- and off-site sources of vapor intrusion. The potential for impacts from off-site properties included a review of current off-site operations (see Section 2.4), a review of historical operations (see Section 5.2), a review of regulatory database records (see Section 6.2), and a review of available regulatory agency records (see Section 6.3). As discussed in Section 6.3, the presence of TCE-contaminated groundwater at the subject property is considered a vapor intrusion risk and a REC.

8.0 DATA GAPS

The following data gaps and/or data failures were identified during this review:

DATA GAP	SIGNIFICANCE
Gaps of more than 5 years between historical sources	Gaps of greater than 5 years were identified between historical sources. Based on the historical research conducted, this data gap is not significant in terms of our ability to identify RECs.
Interview with previous subject property owner	Prior owners of the subject property were not available to be interviewed. Based on the historical research conducted, this data gap is not significant in terms of our ability to identify RECs.
Municipal records	VERTEX submitted records requests to New Britain Township, which had not been responded to as of the date of this report. Based on current subject property use (residential/agricultural), this data gap is not significant in terms of our ability to identify RECs.
Regulatory Records	VERTEX submitted a records request to PADEP, which had not been responded to as of the date of this report. Based on the lack of state regulatory database listings for the subject property, and records obtained from USEPA, this data gap is not significant in terms of our ability to identify RECs.
Subject property reconnaissance	VERTEX notes that the subject property is a large 90-acre tract of land comprised of dense vegetation, surface bodies of water, and crop fields in addition to the two residential structures and barn. Therefore, the entire subject property was not reasonably accessible at the time of VERTEX's subject property reconnaissance. Additionally, the southern residential structure was occupied and could not be accessed by VERTEX at the time of the subject property reconnaissance. At the time of our subject property reconnaissance, the subject property contact was interviewed to identify areas of potential environmental concern historically and/or currently present at the subject property. Those identified (if any) were observed at the time of the subject property reconnaissance to the best of our ability.

Significant data gaps that would affect VERTEX's ability to identify RECs at the subject property were not encountered during this assessment. Deviations or deletions from the scope of work defined by ASTM E 1527-21 were not intentionally made.

Our conclusions regarding the potential environmental impact of nearby, off-site facilities on the subject property are based on readily available information from the environmental databases and the assumed groundwater flow direction as inferred from the topography of the subject property and surrounding area. With the exception of the USEPA files regarding the North Penn Area 5 Superfund site (discussed in Section 6.3), VERTEX did not review regulatory files for the

off-site regulatory database listings because the files were not considered likely to alter the conclusions of this report.

9.0 ADDITIONAL SERVICES

The following additional (non-ASTM) services were performed as part of this assessment.

9.1 Asbestos-Containing Materials (ACMs)

A visual survey of limited building areas was performed to assess major classes of accessible suspect ACMs that may be present. Suspect ACMs observed included tile flooring and associated mastics, ceiling tiles, and drywall. The materials assessed were observed to be in generally undamaged physical condition and non-friable, except for the ceiling tile, which is friable but in good condition.

A comprehensive survey has not been completed at the subject property. Prior to demolition/renovation activities or other activities that could potentially disturb suspect ACMs, sampling and analysis of suspect ACMs should be performed. Alternatively, the material can be assumed to contain asbestos and treated accordingly. Future activities that involve the disturbance or removal of confirmed or suspect ACMs are required to be conducted in accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) and other applicable local, state, and federal regulations.

9.2 Lead-Based Paint (LBP)

Based on the date of construction of the subject property buildings, it is possible that LBP is present. Painted finished building materials appeared to be in generally fair to good condition at the time of subject property inspection. Based on the residential use of the Dwelling, LBP is considered a BER to this investigation. Prior to demolition/renovation activities or other activities that could potentially disturb suspect LBP, sampling and analysis of suspect LBP should be performed (e.g., demolition debris waste stream characterization).

9.3 Water Intrusion and Suspect Microbial Growth

VERTEX conducted a limited visual and olfactory assessment of accessible representative areas of the subject property building for signs of significant water damage and/or the presence of visible suspect microbial growth (SMG). The observations were limited to readily accessible surfaces and did not include observations behind walls or wall coverings, above ceilings, or dismantling components of the mechanical systems, etc.

Evidence of water intrusion and suspect mold growth was visible on the interior walls of the main residential building. Due to the presence of suspect mold growth, the areas should be tested and abated, if necessary, prior to occupancy. However, VERTEX understands that the residence will remain unoccupied until it is razed during proposed development activities.

9.4 Lead in Drinking Water

The subject property residential dwelling is serviced by an onsite potable well. Due to the lack of water quality testing data which would contain information about lead in drinking water, the presence or absence of lead cannot be confirmed. Based on this information, lead in drinking water is considered a BER in connection to the subject property. However, should the residential property be razed during future development and the potable well be properly abandoned, the potable well would no longer pose a BER.

9.5 Historical Oil and Gas Wells

Based on VERTEX's review of historical and current regulatory database listings in the vicinity of the subject property, including the National Energy and Petrochemical Map online viewer, no evidence of historical oil and gas wells or pipelines was identified in connection with the subject property or immediate vicinity. Additionally, according to information provided by the U.S. Energy Information Administration and a review of the National Pipeline Mapping System

(NPMS), the subject property has no crude oil reserves or production, and no gas or oil pipelines are located within 500 feet of the subject property.

10.0 EP STATEMENT AND VIABILITY DATES

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 C.F.R. 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

The Vertex Companies, LLC



Madalyn Kulas
Senior Consultant

This Phase I ESA is assumed to be viable within 180 days of the components noted below:

COMPONENT	DATE
Interview with owner, operator, and/or occupant	06/10/2025
Search for environmental liens and AULs	06/05/2025
Date of regulatory database report	06/03/2025
Subject property reconnaissance	06/10/2025
EP Declaration	06/23/2025

11.0 SCOPE AND LIMITATIONS

11.1 Purpose

The primary purpose of this assessment is to identify, to the extent feasible pursuant to the processes prescribed in ASTM E 1527-21, RECs in connection with the subject property. As defined in ASTM E 1527-21, a REC is "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment." It does not include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A "historical REC" is defined in ASTM E 1527-21 as "A previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations)." ASTM E 1527-21 defines the term "controlled REC" as "recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations)."

In conducting this assessment, VERTEX followed ASTM E 1527-21, as well as the U.S. Environmental Protections Agency's All Appropriate Inquiries (AAI) Final Rule of November 1, 2005, as amended December 15, 2022. There were no exceptions to or deletions from this practice, as described in Section 8.0 of the report. ASTM defines good commercial and customary

practice for conducting an ESA of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products. This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. The practice constitutes "all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary standards and practices" as defined at 42 U.S.C. 9601(35)(B).

As part of ASTM E 1527-21, Phase I ESAs must be conducted by or under the supervision of a qualified Environmental Professional. The AAI Final Rule defines an Environmental Professional as someone who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors of the rule.

11.2 Detailed Scope-of-Services

As part of this Phase I ESA, and in accordance with the provisions of ASTM E 1527-21, VERTEX performed a visual reconnaissance of the subject property, noted use of adjoining properties, and conducted historical and regulatory records research. The following provides a more detailed description of the scope of services:

- Visual assessment of the subject property building(s), if present, and grounds to identify potential for on-site petroleum or hazardous material release(s).

- Visual assessment and categorization of the use of abutting and adjoining properties as potential off-site sources of petroleum or hazardous substance contamination to the subject property.

- Review of reasonably ascertainable state and federal regulatory records related to on-site activities and to evident off-site activities to identify potential sources of petroleum or hazardous substance contamination to the subject property.

- Review of reasonably ascertainable historical information to assess for potential on-site and off-site sources of petroleum or hazardous substance contamination to the subject property.

- Review of reasonably ascertainable local records related to historical subject property ownership, usage, and development. This includes obtaining information from local environmental authorities to identify complaints, violations, citations, inspections, environmental liens, AULs, or institutional and engineering controls related to the subject property.

- Review of reasonably ascertainable documents and other resources for the subject property and vicinity to evaluate current and historical development and renovation activities.

- Visual assessment for suspect Polychlorinated Biphenyl (PCB) containing equipment, e.g., transformers, elevators. Please note, this scope of work does not include an evaluation for or testing of suspect PCBs in building materials such as caulking, mastic/adhesives, oil-based paints, coatings, and sealants. Currently, there are no regulatory requirements to test in-place building materials for the presence of PCBs. Although testing is not required for in place materials, owners are required to know the content of the waste streams that they generate and potentially sign waste profiles prior to disposal facility acceptance. Therefore, if renovation or demolition activities are to be conducted at the subject property that will result in the generation of demolition debris, a contractor or waste disposal facility may request certification of knowledge of the waste stream or testing to determine if the material(s) contain PCBs for proper handling and disposal purposes.

- Visual assessment of the accessible areas of the subject property and review of readily available public records to assess the presence or absence of the following non-scope considerations: ACMs, LBP, suspect microbial growth and water intrusion, lead in drinking water, and historical oil and gas wells.

- Preparation of a Phase I ESA report.

11.3 Significant Assumptions

Information obtained from the Client, the Client's representative, subject property representatives, individuals interviewed, and prior environmental reports is considered accurate unless VERTEX's reasonable inquiries clearly revealed otherwise.

Conditions observed were considered representative of areas that were not observed unless otherwise indicated.

The primary direction of groundwater flow is assumed to follow topography, unless otherwise indicated by measurement of the potentiometric surface or other quantifiable data.

VERTEX reviewed reasonably ascertainable public records with respect to past operations and ownership of the subject property to identify past usage. VERTEX is not a professional title insurance firm and makes no guarantee, express or implied, that the listing reviewed represented a comprehensive delineation of past subject property ownership or tenancy for legal purposes. The accuracy and completeness of information maintained in public records by public agencies or other entities is assumed to be sufficient for the purposes of this Phase I ESA, and independent verification of its validity is beyond the scope of this investigation.

11.4 Limitations and Exceptions

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. The findings within this ESA utilized information that was practically reviewable per ASTM Practice E 1527-21, meaning that only relevant data relating to the subject property has been incorporated into the findings, disregarding extraordinary analysis of irrelevant data. The investigation conducted for this ESA was limited to data that were reasonably ascertainable, meaning that the information was publicly available, obtainable within the cost and time constraints under the scope of services for this project, and practically reviewable. VERTEX is not responsible for the independent conclusions, opinions, or recommendations made by others based on the records review, subject property visit, field exploration, and laboratory test data presented in this report.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and subject property evaluation. Subsurface conditions were not field-investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at the subject property and surrounding properties. VERTEX does not warrant against future operations or conditions, or against operations or conditions present of a type or at a location not investigated. VERTEX does not assume responsibility for other environmental issues that may be associated with the subject property.

This study is not intended to assess or otherwise determine if soil contamination, waste emplacement, or groundwater contamination exists. These data are accessible only by sampling of subsurface material and groundwater through the completion of soil borings and the installation of monitoring wells and the chemical analyses of soil and groundwater samples. The scope of work, determined by the client, did not include these activities.

In view of the rapidly changing status of environmental laws, regulations and guidelines, VERTEX cannot be responsible for changes in laws, regulations, or guidelines that occur after the study has been completed and that may affect the subject property.

It must be noted that no investigation can absolutely rule out the existence of hazardous substances at a given property. This assessment has been based upon prior subject property history and observable conditions. Existing hazardous substances and contaminants can escape detection using these methods.

Unless indicated to the contrary in Section 8.0, there were no significant data gaps or accessibility limitations that would affect VERTEX's ability to identify RECs at the subject property.

While VERTEX may comment on environmental compliance matters that fall under the scope of this assessment, this study does not constitute a regulatory compliance audit, and does not document compliance with applicable state, federal, or local regulations.

11.5 Special Terms and Conditions

No special Terms and Conditions were agreed upon between the User and the Environmental Professional.

11.6 User Reliance

This report is for the exclusive use of Hanover Company, and its affiliates; and their respective lenders, investors, successors, and assigns. No other party shall have the right to rely on any service provided by VERTEX without prior written consent. Use of this report by any other party shall be at such party's sole risk.

12.0 REFERENCES

Agencies Contacted/Records Reviewed:

Bucks County Board of Assessment

New Britain Township Building Department

New Britain Township Fire Department

New Britain Township Water & Sewer Services

Pennsylvania Department of Environmental Protection

Other Documents Reviewed:

Aerial photographs obtained from EDR, dated 1938, 1942, 1950, 1958, , 1965, 1968, 1971, 1975, 1981, 1987, 1992, 1999, 2005, 2010, 2015, 2019, and 2022.

City directories obtained from EDR, dated 1971, 1976, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020.

EDR Database Report, June 03, 2025.

Sanborn Fire Insurance Map No Coverage Report, June 03, 2025.

Topographic maps obtained from EDR, dated 1890, 1891, 1894, 1941, 1942, 1943, 1953, 1968, 1969, 1973, 1980, 1983, 1992, 1996, 1999, 2013, 2016, and 2019.

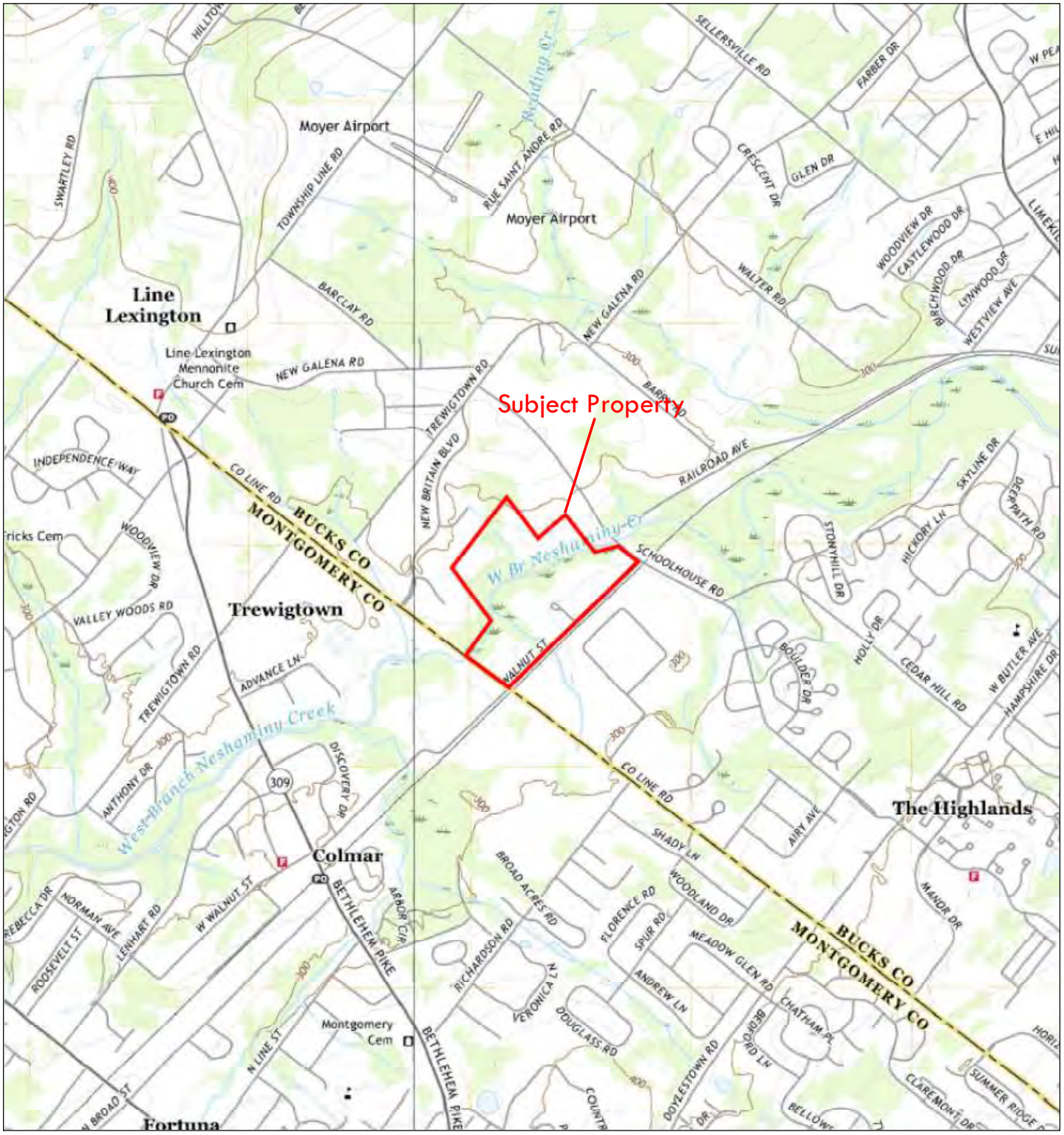
Technical Memorandum, North Penn 5 OU2, Prepared by HydroGeoLogic, Inc., dated July 26, 2024.

Interviews:

Siobhan Welch, Subject Property Owner

Various Municipal Staff

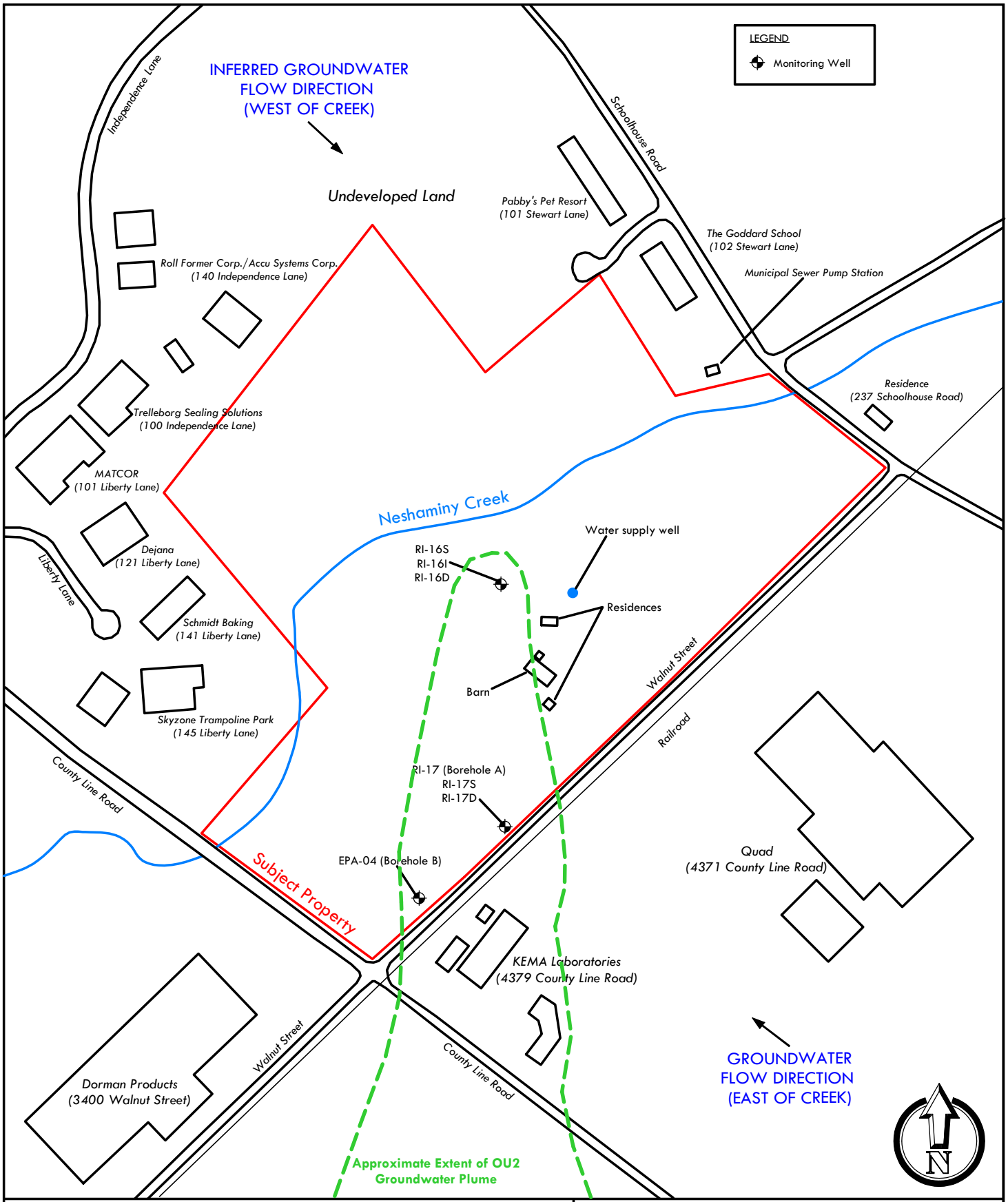
FIGURES



NOTES:
SOURCE: UNITED STATES GEOLOGICAL SURVEY MAP
DOYLESTOWN, PA QUADRANGLE 7.5 MINUTES SERIES (2019)

LOCUS MAP		
Farm Property 56 Walnut Street Chalfont, Bucks County, Pennsylvania	NOT TO SCALE Date: June 2025 Job No.: 105634	FIGURE 1

VERTEX
400 LIBBEY PARKWAY
WEYMOUTH, MA 02189
(T): 781.952.6000
VERTEXENG.COM



SCHEMATIC

Farm Property
56 Walnut Street
Chalfont, Bucks County, Pennsylvania

NOT TO SCALE
Date: June 2025
Job No.: 105634

FIGURE 2

VERTEX
400 LIBBEY PARKWAY
WEYMOUTH, MA 02189
(T): 781.952.6000
VERTEXENG.COM

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

Photographic Documentation
Farm Property
56 Walnut Street
Chalfont, Pennsylvania, 18914
VERTEX Project Number 105634



Photograph #1: Main residential structure exterior



Photograph #2: Main residential structure exterior



Photograph #3: Main residential structure interior



Photograph #4: Main residential structure interior



Photograph #5: Main residential structure interior



Photograph #6: Furnace and well water treatment equipment in basement of main residential structure

Photographic Documentation
Farm Property
56 Walnut Street
Chalfont, Pennsylvania, 18914
VERTEX Project Number 105634



Photograph #7: Fuel oil AST in basement of main residential structure



Photograph #8: Attic of main residential structure



Photograph #9: Maintenance shed on north side of barn



Photograph #10: AST in maintenance shed



Photograph #11: Maintenance shed interior



Photograph #12: Barn exterior

Photographic Documentation
Farm Property
56 Walnut Street
Chalfont, Pennsylvania, 18914
VERTEX Project Number 105634



Photograph #13: Barn exterior



Photograph #14: Barn exterior



Photograph #15: Barn interior



Photograph #16: Barn interior



Photograph #17 Barn interior



Photograph #18: Barn interior

Photographic Documentation
Farm Property
56 Walnut Street
Chalfont, Pennsylvania, 18914
VERTEX Project Number 105634



Photograph #19: Occupied residence exterior



Photograph #20: Occupied residence exterior



Photograph #21: Water supply well northeast of main residence



Photograph #22: Water supply well head



Photograph #23: Crop field



Photograph #24: Crop field

Photographic Documentation
Farm Property
56 Walnut Street
Chalfont, Pennsylvania, 18914
VERTEX Project Number 105634



Photograph #25: Portion of Neshaminy Creek on subject property



Photograph #26: Northern adjoining property



Photograph #27: Northeastern adjoining property



Photograph #28: Northeastern adjoining property



Photograph #29: Southeastern adjoining property



Photograph #30: Southeastern adjoining property

Photographic Documentation
Farm Property
56 Walnut Street
Chalfont, Pennsylvania, 18914
VERTEX Project Number 105634



Photograph #31: Southwestern adjoining property



Photograph #32: Western adjoining properties



Photograph #33: Western adjoining property



Photograph #34: Western adjoining property

APPENDIX B

RELEVANT DOCUMENTATION

Farm Property
54 Walnut Street
Chalfont, PA 18914

Inquiry Number: 8005966.10S
June 05, 2025

EDR Environmental Lien and AUL Search 1980

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search 1980

The EDR Environmental Lien and AUL Search 1980 report provides results from a search of available land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address and/or parcel information to:

- search for parcel number and/or legal description
- search for ownership information filed between 1980 and the most current publicly available date
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for publicly available environmental encumbering instrument(s) filed between 1980 and present
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Property Archives, LLC researched and compiled the land title information contained in this EDR Environmental Lien and AUL Search 1980 report on behalf of EDR.



Property Archives

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EDR Environmental Lien and AUL Search 1980

TARGET PROPERTY INFORMATION

ADDRESS

54 Walnut Street
Chalfont, PA, 18914

PROPERTY DESCRIPTION

Parcel ID: **26-001-099-001**

Current Owner: NICHOLAS, ELIZABETH & WELSH, SIOBHAN, TR

Legal Description: 23.58A 730 FT E COUNTY LINE RD

Parcel ID: **26-001-099**

Current Owner: NICHOLAS, ELIZABTH & WELSH, SIOBHAN, TRS/NICHOLAS, ELIZABETH S

Legal Description: 32.462A 398 FT N OF T403 441 FT W OF T332

Parcel ID: **26-001-099-002**

Current Owner: NICHOLAS, ELIZABTH & WELSH, SIOBHAN, TRS

Legal Description: 14.836A NW COR COUNTY LINE RD & T405

Parcel ID: **26-001-099-003**

Current Owner: NICHOLAS, ELIZABETH S/NICHOLAS, ELIZABETH & WELSH, SIOBHAN, TR

Legal Description: 19.167A LOT NW COR T332 & T403

FINDINGS SUMMARY

The following is a summary of information contained in the report. Additional details may be found in the Findings Detail section.

Parcel: **26-001-099-001**

Environmental Lien: Found ☐ Not Found ☒

Other Activity and Use Limitations (AULs): Found ☐ Not Found ☒

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	**INSTRUMENT**	**GRANTEE**	**GRANTOR**
October 31, 2024	2024045324	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
January 24, 2002	2578/601	Trust for Edwin F. Stewart III	Edwin F. Stewart Jr and Blanche W. Stewart
May 04, 1989	45/1912	Edwin F. Stewart Jr and Blanche W. Stewart, et al	Edwin F. Stewart Jr and Blanche W. Stewart
March 02, 1965	1790/1082	Edwin F. Stewart Jr and Blanche W. Stewart	Edwin F. Stewart and Eleanor W. Stewart

EDR Environmental Lien and AUL Search 1980

Parcel: **26-001-099**

Environmental Lien: Found ☐ Not Found ☒

Other Activity and Use Limitations (AULs): Found ☐ Not Found ☒

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	**INSTRUMENT**	**GRANTEE**	**GRANTOR**
October 24, 2024	2024044076	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
January 14, 2000	1995/1094	Elizabeth S. Nicholas	Edwin F. Stewart Jr and Blanche W. Stewart
December 28, 1999	1985/1505	Elizabeth S. Nicholas	Edwin F. Stewart Jr and Blanche W. Stewart
January 07, 1999	1750/652	Elizabeth S. Nicholas	Edwin F. Stewart Jr and Blanche W. Stewart
December 28, 1998	1741/1100	Elizabeth S. Nicholas	Edwin F. Stewart Jr and Blanche W. Stewart
May 04, 1989	45/1920	Edwin F. Stewart Jr and Blanche W. Stewart, et al	Edwin F. Stewart Jr and Blanche W. Stewart
January 03, 1967	1853/383	Edwin F. Stewart Jr and Blanche W. Stewart	Edwin F. Stewart and Eleanor W. Stewart

Parcel: **26-001-099-002**

Environmental Lien: Found ☐ Not Found ☒

Other Activity and Use Limitations (AULs): Found ☐ Not Found ☒

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	**INSTRUMENT**	**GRANTEE**	**GRANTOR**
October 24, 2024	2024044076	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
January 14, 2000	1995/1089	Trust for Edwin F. Stewart III, et al	Edwin F. Stewart Jr and Blanche W. Stewart
December 28, 1999	1985/1509	Edwin F. Stewart Jr and Blanche W. Stewart, et al	Edwin F. Stewart Jr and Blanche W. Stewart
May 04, 1989	45/1906	Edwin F. Stewart Jr and Blanche W. Stewart, et al	Edwin F. Stewart Jr and Blanche W. Stewart
May 17, 1968	1897/1187	Edwin F. Stewart Jr and Blanche W. Stewart	Edwin F. Stewart and Eleanor W. Stewart

Parcel: **26-001-099-003**

Environmental Lien: Found ☐ Not Found ☒

Other Activity and Use Limitations (AULs): Found ☐ Not Found ☒

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	**INSTRUMENT**	**GRANTEE**	**GRANTOR**

EDR Environmental Lien and AUL Search 1980

October 24, 2024	2024044076	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
January 24, 2002	2578/596	Elizabeth S. Nichols	Edwin F. Stewart Jr and Blanche W. Stewart
May 04, 1989	45/1927	Edwin F. Stewart Jr and Blanche W. Stewart, et al	Edwin F. Stewart Jr and Blanche W. Stewart
June 23, 1966	1850/695	Edwin F. Stewart Jr and Blanche W. Stewart	Edwin F. Stewart and Eleanor W. Stewart

RESEARCH SOURCE(S)

The following research sources were reviewed from January 01, 1980, to June 04, 2025.

Source 1: Bucks County Assessor
Bucks County, PA

Source 2: Bucks County Recorder of Deeds
Bucks County, PA

Source 3: Pennsylvania Judicial Branch

FINDINGS DETAIL

Parcel: **26-001-099-001**

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

MISCELLANEOUS DOCUMENTS

None

EDR Environmental Lien and AUL Search 1980

Parcel: **26-001-099**

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

MISCELLANEOUS DOCUMENTS

None

Parcel: **26-001-099-002**

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

MISCELLANEOUS DOCUMENTS

None

Parcel: **26-001-099-003**

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

MISCELLANEOUS DOCUMENTS

None

EDR Environmental Lien and AUL Search 1980

HISTORICAL CHAIN OF TITLE FROM 1980

Parcel ID: **26-001-099-001**

DEED TYPE:	Deed
GRANTEE:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
GRANTOR:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
DATE EXECUTED:	October 01, 2024
DATE RECORDED:	October 31, 2024
INSTRUMENT #:	2024045324

*See Attached Deed Exhibit

DEED TYPE:	Deed
GRANTEE:	Trust for Edwin F. Stewart III
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	December 27, 2001
DATE RECORDED:	January 24, 2002
BOOK / PAGE:	2578/601

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart, et al
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	August 29, 1988
DATE RECORDED:	May 04, 1989
BOOK / PAGE:	45/1912

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart
GRANTOR:	Edwin F. Stewart and Eleanor W. Stewart
DATE EXECUTED:	February 20, 1965
DATE RECORDED:	March 02, 1965
BOOK / PAGE:	1790/1082

*Public records of Bucks County, Pennsylvania were searched from January 01, 1980 through June 04, 2025 and no other deeds vesting title in the subject property were located during the period searched.

EDR Environmental Lien and AUL Search 1980

Parcel ID: **26-001-099**

DEED TYPE:	Deed
GRANTEE:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
GRANTOR:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
DATE EXECUTED:	October 17, 2024
DATE RECORDED:	October 24, 2024
INSTRUMENT #:	2024044076
*See Attached Deed Exhibit	

DEED TYPE:	Deed
GRANTEE:	Elizabeth S. Nicholas
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	January 03, 2000
DATE RECORDED:	January 14, 2000
BOOK / PAGE:	1995/1094

DEED TYPE:	Deed
GRANTEE:	Elizabeth S. Nicholas
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	December 27, 1999
DATE RECORDED:	December 28, 1999
BOOK / PAGE:	1985/1505

DEED TYPE:	Deed
GRANTEE:	Elizabeth S. Nicholas
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	January 05, 1999
DATE RECORDED:	January 07, 1999
BOOK / PAGE:	1750/652

DEED TYPE:	Deed
GRANTEE:	Elizabeth S. Nicholas
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	December 23, 1998
DATE RECORDED:	December 28, 1998
BOOK / PAGE:	1741/1100

EDR Environmental Lien and AUL Search 1980

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart, et al
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	August 29, 1988
DATE RECORDED:	May 04, 1989
BOOK / PAGE:	45/1920

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart
GRANTOR:	Edwin F. Stewart and Eleanor W. Stewart
DATE EXECUTED:	January 03, 1967
DATE RECORDED:	January 03, 1967
BOOK / PAGE:	1853/383

*Public records of Bucks County, Pennsylvania were searched from January 01, 1980 through June 04, 2025 and no other deeds vesting title in the subject property were located during the period searched.

Parcel ID: **26-001-099-002**

DEED TYPE:	Deed
GRANTEE:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
GRANTOR:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
DATE EXECUTED:	October 17, 2024
DATE RECORDED:	October 24, 2024
INSTRUMENT #:	2024044076

*See Attached Deed Exhibit

DEED TYPE:	Deed
GRANTEE:	Trust for Edwin F. Stewart III, et al
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	January 03, 2000
DATE RECORDED:	January 14, 2000
BOOK / PAGE:	1995/1089

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart, et al
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	December 27, 1999
DATE RECORDED:	December 28, 1999
BOOK / PAGE:	1985/1509

EDR Environmental Lien and AUL Search 1980

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart, et al
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	August 29, 1988
DATE RECORDED:	May 04, 1989
BOOK / PAGE:	45/1906

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart
GRANTOR:	Edwin F. Stewart and Eleanor W. Stewart
DATE EXECUTED:	May 15, 1968
DATE RECORDED:	May 17, 1968
BOOK / PAGE:	1897/1187

*Public records of Bucks County, Pennsylvania were searched from January 01, 1980 through June 04, 2025 and no other deeds vesting title in the subject property were located during the period searched.

Parcel ID: **26-001-099-003**

DEED TYPE:	Deed
GRANTEE:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
GRANTOR:	Elizabeth Nicholas and Siobhan Welsh, Co-Trustees
DATE EXECUTED:	October 17, 2024
DATE RECORDED:	October 24, 2024
INSTRUMENT #:	2024044076

*See Attached Deed Exhibit

DEED TYPE:	Deed
GRANTEE:	Elizabeth S. Nichols
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	December 27, 2001
DATE RECORDED:	January 24, 2002
BOOK / PAGE:	2578/596

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart, et al
GRANTOR:	Edwin F. Stewart Jr and Blanche W. Stewart
DATE EXECUTED:	August 29, 1988
DATE RECORDED:	May 04, 1989
BOOK / PAGE:	45/1927

EDR Environmental Lien and AUL Search 1980

DEED TYPE:	Deed
GRANTEE:	Edwin F. Stewart Jr and Blanche W. Stewart
GRANTOR:	Edwin F. Stewart and Eleanor W. Stewart
DATE EXECUTED:	June 23, 1966
DATE RECORDED:	June 23, 1966
BOOK / PAGE:	1850/695

*Public records of Bucks County, Pennsylvania were searched from January 01, 1980 through June 04, 2025 and no other deeds vesting title in the subject property were located during the period searched.

EDR Environmental Lien and AUL Search 1980

CURRENT DEED EXHIBIT(S)

BUCKS COUNTY RECORDER OF DEEDS
55 East Court Street
Doylestown, Pennsylvania 18901
(215) 348-6209

Instrument Number - 2024045324
Recorded On 10/31/2024 At 11:58:17 AM *** Total Pages - 11**
*** Instrument Type - DEED**
Invoice Number - 1402500 **User - ATV**
*** Grantor - IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F STEWART III ET AL**
*** Grantee - IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F STEWART III ET AL**
*** Customer - CSC**
*** FEES**

RECORDING FEES	$101.75
COPIES	$11.00
TOTAL PAID	$112.75

Bucks County UPI Certification
On October 30, 2024 By SHY

This is a certification page

DO NOT DETACH

This page is now part of this legal document.

COPY

RETURN DOCUMENT TO:
CSC

I hereby CERTIFY that this document is recorded in the Recorder of Deeds Office of Bucks County, Pennsylvania.

THE RECORDERS OFFICE OF THE BUCKS COUNTY, PA.

Daniel J. McPhillips
Recorder of Deeds

*** - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.**

1CA193

CERTIFIED PROPERTY IDENTIFICATION NUMBERS
26-001-099--001 - N BRITAIN TWP
CERTIFIED 10/30/2024 BY SHY

SUB

Prepared by and return to:

Reuben H. Asia, Esquire
Faegre Drinker Biddle & Reath LLP
One Logan Square, Suite 2000
Philadelphia, PA 19103-6996
(215) 988-2700

Tax Parcel Number: 26-001-099-001

COPY

DEED

THIS INDENTURE effective the 1st day of October, 2024,

BETWEEN

ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. (hereinafter the "**Grantors**"), of the one part, **as to an undivided two-thirds (2/3) interest in the Premises** (hereinafter defined),

and

ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, as to an undivided two-ninths (2/9) interest in the Premises as tenants in common, ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, as to an undivided two-ninths (2/9) interest in the Premises as tenants in common, and ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS, as to an undivided two-ninths (2/9) interest in the Premises as tenants in common (hereinafter called the "**Grantees**"), of the other part,

WITNESSETH That the said Grantors for and in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration, unto them well and truly paid by the said Grantees, at or before the sealing and delivery of these presents, the receipt whereof is hereby acknowledged, have granted, bargained and sold, aliened, enfeoffed, released and confirmed, and by these presents do

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grant, bargain, sell, alien, enfeoff, release and confirm unto the said Grantees, their successors and assigns,

ALL THAT CERTAIN lot or piece of ground with the buildings and improvements thereon erected and more particularly described on Exhibit "A" attached hereto and made a part hereof (hereinafter the "Premises"),

BEING commonly known as 56 Walnut Street Chalfont, PA 18914,

BEING the same Premises which, as more particularly described on Exhibit "A" attached hereto and immediately prior to the subject transfer, was owned by (i) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust For Edwin F. Stewart, III et al., as to an undivided two-thirds (2/3) interest in the Premises as tenants in common, and (ii) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild, as to an undivided one-third (1/3) interest in the Premises as tenants in common,

THAT, Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild, are retaining their undivided one-third (1/3) interest in the Premises,

THAT, hereafter, the Premises shall be owned as follows: (i) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild, as to an undivided **one-third (1/3)** interest in the Premises, (ii) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under a Trust under an Irrevocable Agreement of Trust for Edwin F. Stewart III et al. f/b/o Siobhan Welsh, as to an undivided **two-ninths (2/9)** interest in the Premises, (iii) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under a Trust under an Irrevocable Agreement of Trust for Edwin F. Stewart III et al. f/b/o Frank Nicholas as to an undivided **two-ninths (2/9)** interest in the Premises, and (iv) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under a Trust under an Irrevocable Agreement of Trust for Edwin F. Stewart III et al. f/b/o Casey Nicholas as to an undivided **two-ninths (2/9)** interest in the Premises, for a total of 100% ownership of the Premises,

BEING exempt from Pennsylvania Realty Transfer Tax pursuant to 61 Pa. Code § 91.193(b)(8), as a transfer of property to a trustee of an ordinary trust,

UNDER AND SUBJECT, nevertheless, to restrictions, covenants, easements and conditions of record.

TOGETHER with all and singular the buildings, improvements, ways, streets, alleys, driveways, passages, waters, water-courses, rights, liberties, privileges, hereditaments and appurtenances, whatsoever unto the hereby granted premises belonging, or in any way appertaining, and the reversions and remainders, rents, issues, and profits thereof; and all the estate, right, title, interest, property, claim and demand whatsoever of them, the said Grantors, as well at law as in equity, of, in and to the same.

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TO HAVE AND TO HOLD the said lot or piece of ground described with the buildings and improvements thereon erected, hereditaments and premises hereby granted, or mentioned and intended so to be, with the appurtenances, unto the said Grantees, their successors and assigns, to and for the only proper use and behoof of the said Grantees, their successors and assigns forever.

UNDER AND SUBJECT as aforesaid.

AND the said Grantors, for themselves, and their heirs, successors, executors and administrators, do covenant, promise and agree, to and with the said Grantees, their successors and assigns, by these presents, that they, the said Grantors have not done, committed, or knowingly or willingly suffered to be done or committed, any act, matter or thing whatsoever whereby the premises hereby granted, or any part thereof, shall or may be impeached, charged or encumbered, in title, charge, estate, or otherwise howsoever.

[Signature Pages Follow]

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IN WITNESS WHEREOF, the Grantors, intending to be legally bound, have set their hands the day and year first above written.

ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL.

By: Elizabeth S Nicholas
Elizabeth Nicholas, Co-Trustee

By: Siobhan Welsh
Siobhan Welsh, Co-Trustee

COMMONWEALTH OF PENNSYLVANIA :
: SS
COUNTY OF PHILADELPHIA :

On this, the 4th day of October, 2024, before me, a Notary Public in and for the State and County aforesaid, the undersigned officer, personally appeared **Elizabeth Nicholas**, who acknowledged herself to be the Co-Trustee under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al., and that she is authorized to execute the foregoing instrument on behalf of the Trust for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

My Commission Expires: 11/30/2024

Kathleen Lennon
NOTARY PUBLIC

Commonwealth of Pennsylvania - Notary Seal
Kathleen Lennon, Notary Public
Philadelphia County
My Commission Expires Nov 30, 2024
Commission Number 1301877

Notarial act performed by audio-visual communication

COMMONWEALTH OF PENNSYLVANIA :
: SS
COUNTY OF PHILADELPHIA :

On this, the 4th day of October, 2024, before me, a Notary Public in and for the State and County aforesaid, the undersigned officer, personally appeared **Siobhan Welsh**, who acknowledged herself to be the Co-Trustee under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al., and that she is authorized to execute the foregoing instrument on behalf of the Trust for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

My Commission Expires: 11/30/2024

Kathleen Lennon
NOTARY PUBLIC

Commonwealth of Pennsylvania - Notary Seal
Kathleen Lennon, Notary Public
Philadelphia County
My Commission Expires Nov 30, 2024
Commission Number 1301877

Notarial act performed by audio-visual communication

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The address of the above-named Grantee is:

109 Overlook Lane
Wayne, PA 18914

Reuben H. Asia
On behalf of the Grantee

COPY

EXHIBIT "A"

LEGAL DESCRIPTION

ALL THOSE CERTAIN buildings, messuage and parcel of ground situate in the Township of New Britain, County of Bucks and Commonwealth of Pennsylvania, bounded and described according to a survey made by Herbert H. Metz, Inc., Registered Engineers, February 1, 1965, as follows, to wit: BEGINNING at a point, an iron pin, in the title line on the Southeast side of East Walnut Street (33 feet wide), in line of land of the North Pennsylvania Railroad Company, and in line of other land of Edwin F. Stewart and Eleanor W. Stewart, his wife, at a distance of 744.06 feet as measured North 46 degrees 15 minutes East along the Southeast side of East Walnut Street aforesaid (being also the Northwest side of a 60 feet wide strip of land of the North Pennsylvania Railroad Company - Doylestown Branch), from a point of intersection thereof with the center line of County Line Road (S.H.R.R. No. 09033-33 feet wide); thence from said beginning point, extending along said other land of Edwin F. Stewart and Eleanor W. Stewart, his wife, of which this was once a part, the following two courses and distances, to wit: (1) crossing the bed of East Walnut Street aforesaid and an iron pin placed on line on the Northwest side thereof at a distance of 33.52 feet from the beginning point of this line, North 53 degrees 52 minutes West, 750.0 feet, to an iron pin, a corner; and (2) North 73 degrees 03 minutes 30 seconds West, 217.61 feet, to an iron pin, a corner, in the bed of the West Branch of the Neshaminy Creek, in line of land of Claire Malanee; thence along the line of land of said Claire Malanee, North 35 degrees 02 minutes West, 345.0 feet, crossing said Creek, to an iron pin, a corner, in line of other land of Edwin F. Stewart and Eleanor W. Stewart, his wife, of which this was also a part; thence along the line of said other land, the following three courses and distances, to wit: (1) North 54 degrees 58 minutes East, 560.0 feet, crossing the Northwest bank of the aforesaid West Branch of Neshaminy Creek, and partly along the bed thereof, to an iron pin, a corner in the bed of said Creek; (2) thence continuing in the bed of said Creek, North 78 degrees 22 minutes feet 30 seconds East, 478.15 feet, to an iron pin, a corner, in the bed of said Creek; and (3) thence South 43 degrees 45 minutes East 930.0 feet, crossing the Southeast bank of said Creek and crossing the bed of East Walnut Street, aforesaid, and an iron pin placed on line on the Northwest side thereof at a distance of 33 feet from the end of this line, to an iron pin, a corner, on the title line on the Southeast side of said East Walnut Street, and on the Northwest sideline of land of the North Pennsylvania Railroad Company aforesaid; thence, extending along the title line on the Southeast side of said East Walnut Street, in line of said land of the North Pennsylvania Railroad Company, South 46 degrees 15 minutes West, 772.5 feet, to an iron pin corner, the point and place of beginning.

TITLE TO SAID PREMISES WAS VESTED IN Edwin F. Stewart, Jr. and Blanche W. Stewart, husband and wife, a 1/3 interest as tenants in common, without the right of survivorship; and Edwin F. Stewart, III, Elizabeth Stewart Nicholas, and Frank C. Nicholas as Trustees under an Irrevocable Agreement of Trust for Edwin F. Stewart, III son, a 1/3 interest as tenants in common and Frank C. Nicholas and Elizabeth Stewart Nicholas as Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild a 1/3 interest, as tenants in common by Deed from Edwin F. Stewart, Jr. and Blanche W. Stewart, husband and wife, father and mother, grandfather and grandmother dated 8/29/1988 and recorded 5/4/1989 in the County of Bucks in Land Record Book 45 Page 1912.

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TITLE TO SAID PREMISES WAS VESTED IN Edwin F. Stewart, III, Elizabeth S. Nicholas, and Frank C. Nicholas as Trustees under a certain Irrevocable Agreement of Trust for Edwin F. Stewart, III, dated January 18, 1989, as tenants in common by Deed from Edwin F. Stewart, Jr. and Blanche W. Stewart, husband and wife, father and mother dated 12/27/2001 and recorded 1/24/2002 in the County of Bucks in Land Record Book 2578 Page 601. (Edwin F. Stewart, Jr. and Blanche W. Stewart conveyed their 1/3 interest in the property)

Giving Edwin F. Stewart, III, Elizabeth Stewart Nicholas, and Frank C. Nicholas as Trustees under an Irrevocable Agreement of Trust for Edwin F. Stewart, III son, 2/3 interest as tenants in common and Frank C. Nicholas and Elizabeth Stewart Nicholas as Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild a 1/3 interest as tenants in common.

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Deed - Walnut Parcel 3.pdf

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Created:	October 04, 2024 06:59:44 -8:00
Pages:	28
Remote Notary:	Yes / State: PA

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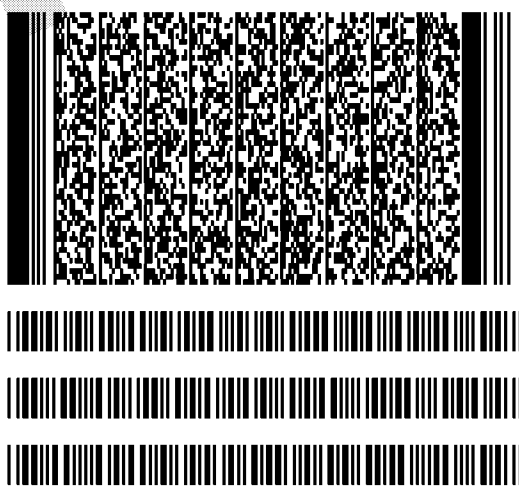
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E-Signature Summary

E-Signature 1: Siobhan Welsh (SW)
October 04, 2024 08:12:11 -8:00 [10683143E9F4] [74.103.145.164]
snwelsh@me.com (Principal) (ID Verified)

E-Signature 2: Elizabeth S Nicholas (ESN)
October 04, 2024 08:12:11 -8:00 [0D7429467F42] [104.28.55.95]
liz.nicholas@hotmail.com (Principal) (ID Verified)

E-Signature Notary: Kathleen Lennon (KL)
October 04, 2024 08:12:11 -8:00 [6D6AB41403F4] [73.248.84.50]
kathy.lennon@faegredrinker.com
I, Kathleen Lennon, did witness the participants named above electronically sign this document.



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All visible electronic signatures contained in this document are symbolic representations of the persons signature, and not intended to be an accurate depiction of the persons actual signature as defined by various Acts and/or Laws.

pennsylvania DEPARTMENT OF REVENUE (EX) MOD 06-19 (FI)

REV-183

BUREAU OF INDIVIDUAL TAXES
PO BOX 280603
HARRISBURG, PA 17128-0603

1830019105

REALTY TRANSFER TAX STATEMENT OF VALUE

COMPLETE EACH SECTION

RECORDER'S USE ONLY

State Tax Paid:

Book: | Page:

Instrument Number:

Date Recorded:

SECTION I TRANSFER DATA

Date of Acceptance of Document

Grantor(s)/Lessor(s)	Telephone Number	Grantee(s)/Lessee(s)	Telephone Number
See Exhibit A attached hereto.		See Exhibit A attached hereto.	
Mailing Address		**Mailing Address**	
109 Overlook Lane		109 Overlook Lane	
City / **State** / **ZIP Code**		**City** / **State** / **ZIP Code**	
Wayne / PA / 19087		Wayne / PA / 19087	

SECTION II REAL ESTATE LOCATION

Street Address	City, Township, Borough
56 Walnut Street Chalfont, PA 18914	New Britain Township

County	School District	Tax Parcel Number
Bucks County	Central Bucks School District	26-001-099-001

SECTION III VALUATION DATA

Was transaction part of an assignment or relocation? ○ YES ● NO

1. Actual Cash Consideration	2. Other Consideration	3. Total Consideration
1.00	+ 0	= 1.00
4. County Assessed Value	**5. Common Level Ratio Factor**	**6. Computed Value**
67,090	x 15.87	= 1,064,718.30

SECTION IV EXEMPTION DATA - Refer to instructions for exemption status.

1a. Amount of Exemption Claimed	1b. Percentage of Grantor's Interest in Real Estate	1c. Percentage of Grantor's Interest Conveyed
$ 1,064,718.30	66 2/3 %	100 %

2. Fill in the Appropriate Oval Below for Exemption Claimed.

- ○ Will or intestate succession. _____ (Name of Decedent) _____ (Estate File Number)
- ● Transfer to a trust. (Attach complete copy of trust agreement and all amendments.)
- ○ Transfer from a trust. (Attach complete copy of trust agreement and all amendments.)
- ○ Transfer between principal and agent/straw party. (Attach complete copy of agency/straw party agreement.)
- ○ Transfers to the commonwealth, the U.S. and instrumentalities by gift, dedication, condemnation or in lieu of condemnation. (If condemnation or in lieu of condemnation, attach copy of resolution.)
- ○ Transfer from mortgagor to a holder of a mortgage in default. (Attach copy of mortgage and note/assignment.)
- ○ Corrective or confirmatory deed. (Attach complete copy of the deed to be corrected or confirmed.)
- ○ Statutory corporate consolidation, merger or division. (Attach copy of articles.)
- ○ Other (Provide a detailed explanation of exemption claimed. If more space is needed attach additional sheets.)

BEING exempt from Pennsylvania Realty Transfer Tax pursuant to 61 Pa. Code § 91.193(b)(8), as a transfer of property to a trustee of an ordinary trust

SECTION V CORRESPONDENT INFORMATION - All inquiries may be directed to the following person:

Name	Telephone Number
Reuben H. Asia, Esquire	(215) 988-2700
Mailing Address / **City** / **State** / **ZIP Code**	
Faegre Drinker Biddle & Reath, 1 Logan Square, Ste 2000 / Philadelphia / PA / 19103	

Under penalties of law, I declare that I have examined this statement, including accompanying information, and to the best of my knowledge and belief, it is true, correct and complete.

Signature of Correspondent or Responsible Party	Date
Reuben H Asia	10/9/2024

FAILURE TO COMPLETE THIS FORM PROPERLY OR ATTACH REQUESTED DOCUMENTATION MAY RESULT IN THE RECORDER'S REFUSAL TO RECORD THE DEED.

1830019105

1830019105

Realty Transfer Tax Statement of Value

Exhibit A

Section I: Trasfer Data

Lessor(s)/Grantor(s):	ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III, ET AL. as to an undivided two-thirds (2/3) interest in the Premises
Lessee(s)/Grantees(s):	ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL., F/B/O SIOBHAN WELSH, as to an undivided two-ninths (2/9) interest in the Premises as tenants in common, ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL., F/B/O FRANK NICHOLAS, as to an undivided two-ninths (2/9) interest in the Premises as tenants in common, and ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL., F/B/O CASEY NICHOLAS, as to an undivided two-ninths (2/9) interest in the Premises as tenants in common

COPY

BUCKS COUNTY RECORDER OF DEEDS
55 East Court Street
Doylestown, Pennsylvania 18901
(215) 348-6209

Instrument Number - 2024044076
Recorded On 10/24/2024 At 1:13:52 PM *** Total Pages - 10**
*** Instrument Type - DEED**
Invoice Number - 1401347 **User - CB**
*** Grantor - IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F STEWART III ET AL**
*** Grantee - NICHOLAS, ELIZABETH**
*** Customer - CSC**
*** FEES**

RECORDING FEES	$97.75
TOTAL PAID	$97.75

Bucks County UPI Certification
On October 23, 2024 By TF

This is a certification page

DO NOT DETACH

This page is now part of this legal document.

COPY

RETURN DOCUMENT TO:
CSC

I hereby CERTIFY that this document is recorded in the Recorder of Deeds Office of Bucks County, Pennsylvania.

THE RECORDERS OFFICE OF THE BUCKS COUNTY, PA.

Daniel J. McPhillips
Recorder of Deeds

*** - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.**

1C9C27

CERTIFIED PROPERTY IDENTIFICATION NUMBERS
26-001-099- - N BRITAIN TWP
CERTIFIED 10/23/2024 BY TF

Prepared by and return to:

Reuben H. Asia, Esquire
Faegre Drinker Biddle & Reath LLP
One Logan Square, Suite 2000
Philadelphia, PA 19103-6996
(215) 988-2700

INT

Tax Parcel Number: 26-001-099

COPY

DEED

THIS INDENTURE effective the 11th day of October, 2024,

BETWEEN

ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. (hereinafter the "**Grantors**"), of the one part, **as to an undivided one-third (1/3) interest in the Premises** (hereinafter defined),

and

ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, as to an undivided one-ninth (1/9) interest in the Premises as tenants in common, ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, as to an undivided one-ninth (1/9) interest in the Premises as tenants in common, and ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS, as to an undivided one-ninth (1/9) interest in the Premises as tenants in common (hereinafter called the "**Grantees**"), of the other part,

WITNESSETH That the said Grantors for and in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration, unto them well and truly paid by the said Grantees, at or before the sealing and delivery of these presents, the receipt whereof is hereby

acknowledged, have granted, bargained and sold, aliened, enfeoffed, released and confirmed, and by these presents do grant, bargain, sell, alien, enfeoff, release and confirm unto the said Grantees, their successors and assigns,

ALL THAT CERTAIN lot or piece of ground with the buildings and improvements thereon erected and more particularly described on Exhibit "A" attached hereto and made a part hereof (hereinafter the "Premises"),

BEING commonly known as 56 Walnut Street Chalfont, PA 18914,

BEING the same Premises which, as more particularly described on Exhibit "A" attached hereto and immediately prior to the subject transfer, was owned by (i) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust For Edwin F. Stewart, III et al., as to an undivided one-third (1/3) interest in the Premises as tenants in common, (ii) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild, as to an undivided one-third (1/3) interest in the Premises as tenants in common, and (iii) Elizabeth Nicholas, individually, as to an undivided one-third (1/3) interest in the Premises as tenants in common,

THAT, (i) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild, are retaining their undivided one-third (1/3) interest in the Premises, and (ii) Elizabeth Nicholas, individually, is retaining her undivided one-third (1/3) interest in the Premises,

THAT, hereafter, the Premises shall be owned as follows: (i) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild, as to an undivided **one-third (1/3)** interest in the Premises, (ii) Elizabeth Nicholas, individually, as to an undivided **one-third (1/3)** interest in the Premises, (iii) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under a Trust under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al. f/b/o Siobhan Welsh, as to an undivided **one-ninth (1/9)** interest in the Premises, (iv) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under a Trust under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al. f/b/o Frank Nicholas as to an undivided **one-ninth (1/9)** interest in the Premises, and (v) Elizabeth Nicholas and Siobhan Welsh, as Co-Trustees under a Trust under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al. f/b/o Casey Nicholas as to an undivided **one-ninth (1/9)** interest in the Premises, for a total of 100% ownership of the Premises,

BEING exempt from Pennsylvania Realty Transfer Tax pursuant to 61 Pa. Code § 91.193(b)(8), as a transfer of property to a trustee of an ordinary trust,

UNDER AND SUBJECT, nevertheless, to restrictions, covenants, easements and conditions of record.

TOGETHER with all and singular the buildings, improvements, ways, streets, alleys, driveways, passages, waters, water-courses, rights, liberties, privileges, hereditaments and appurtenances, whatsoever unto the hereby granted premises belonging, or in any way appertaining, and the reversions and remainders, rents, issues, and profits thereof; and all the estate, right, title, interest, property, claim and demand whatsoever of them, the said Grantors, as well at law as in equity, of, in and to the same.

TO HAVE AND TO HOLD the said lot or piece of ground described with the buildings and improvements thereon erected, hereditaments and premises hereby granted, or mentioned and intended so to be, with the appurtenances, unto the said Grantees, their successors and assigns, to and for the only proper use and behoof of the said Grantees, their successors and assigns forever.

UNDER AND SUBJECT as aforesaid.

AND the said Grantors, for themselves, and their heirs, successors, executors and administrators, *do covenant, promise and agree, to and with the said Grantees, their successors and assigns, by* these presents, that they, the said Grantors have not done, committed, or knowingly or willingly suffered to be done or committed, any act, matter or thing whatsoever whereby the premises hereby granted, or any part thereof, shall or may be impeached, charged or encumbered, in title, charge, estate, or otherwise howsoever.

[Signature Pages Follow]

COPY

IN WITNESS WHEREOF, the Grantors, intending to be legally bound, have set their hands the day and year first above written.

ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL.

By: Elizabeth Nicholas
Elizabeth Nicholas, Co-Trustee

By: Siobhan Welsh
Siobhan Welsh, Co-Trustee

COMMONWEALTH OF PENNSYLVANIA :
: SS
COUNTY OF Philadelphia :

On this, the 17 day of October, 2024, before me, a Notary Public in and for the State and County aforesaid, the undersigned officer, personally appeared **Elizabeth Nicholas**, who acknowledged herself to be the Co-Trustee under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al., and that she is authorized to execute the foregoing instrument on behalf of the Trust for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

My Commission Expires:
08/20/28

NOTARY PUBLIC

Commonwealth of Pennsylvania - Notary Seal
Richard A. Martinez, Notary Public
Philadelphia County
My commission expires August 20, 2028
Commission number 1444107
Member, Pennsylvania Association of Notaries

COMMONWEALTH OF PENNSYLVANIA :
: SS
COUNTY OF Philadelphia :

On this, the 17 day of October, 2024, before me, a Notary Public in and for the State and County aforesaid, the undersigned officer, personally appeared **Siobhan Welsh**, who acknowledged herself to be the Co-Trustee under an Irrevocable Agreement of Trust for Edwin F. Stewart, III et al., and that she is authorized to execute the foregoing instrument on behalf of the Trust for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

My Commission Expires:
08/20/28

NOTARY PUBLIC

Commonwealth of Pennsylvania - Notary Seal
Richard A. Martinez, Notary Public
Philadelphia County
My commission expires August 20, 2028
Commission number 1444107
Member, Pennsylvania Association of Notaries

COPY

The address of the above-named Grantee is:

109 Overlook Lane
Wayne, PA 18914

Denise Ciampitti
On behalf of the Grantee

COPY

EXHIBIT "A"

LEGAL DESCRIPTION

BEING part of property of Edwin F. Stewart and Eleanor W. Stewart, his wife, designated as Sub-parcel C-2 on a location Survey Plan dated January 29, 1965 and as last revised December 16, 1966, by H. H. Metz, Inc., Registered Engineer, Lansdale, Pennsylvania, said land being located in New Britain Township, Bucks County, Commonwealth of Pennsylvania.

BEGINNING at an iron pin in the bed of the West Branch of the Neshaminy Creek, said beginning point being an interior property corner common to Sub-parcels No. B, C-1 and C-2 of said tract and plan, and being located at a distance of 930 feet, as measured North 43 degrees 45 minutes West, along the line dividing the aforesaid Sub-parcels B and C-1 of said tract and plan from an iron pin, a point in the title line on the Southeast side line of Walnut Street (33 feet wide), said latter point, in turn, being located at a distance of 1,516.56 feet, as measured North 46 degrees 15 minutes East, along the title line on the Southeast side line of Walnut Street aforesaid, (being also the Northwest side of 60 feet wide land parcel of the North Pennsylvania Railroad Company) from a point of intersection with the center line of County Line Road (33 feet wide); thence from the aforesaid beginning point, as an interior sub-parcel property corner iron pin, extending along the line of Sub-parcel B of said tract and plan, the following two courses and distances, to wit: (1) South 78 degrees 22 minutes 30 seconds West, 478.15 feet in or near the center of the bed of the West Branch of the Neshaminy Creek, to an iron pin, a corner; and (2) South 54 degrees 58 minutes West, 560 feet extending partly in the bed of the West Branch of Neshaminy Creek, to an iron pin, a corner, in line of land now or late of Claire Melanee; thence along the line of said land, the following two courses and distances, to wit: (1) North 35 degrees 02 minutes West, 615.3 feet to a stone, a corner; and (2) North 38 degrees 16 minutes East, 1,324.0 feet to a point, a corner, in line of land now or lace of G.P. Clair, et ux.; thence along the line of said land, the following three courses and distances, to wit: (1) South 35 degrees 40 minutes 30 seconds East, 713.35 feet to a concrete monument, a corner; (2) North 52 degrees 20 minutes East, 534. 78 feet to a concrete monument, a corner; and (3) South 35 degrees 31 minutes East, 618.22 feet to a point, a corner in line of Sub-parcel C-1 of said tract and plan aforesaid, in the bed of the West Branch of the Neshaminy Creek, aforesaid; thence along the line of said Sub-parcel C-1, in or near the center of the bed of the West Branch of the Neshaminy Creek, the following two courses and distances, to wit: (1) South 69 degrees 06 minutes West, 403.0 feet to an angle point; and (2) South 58 degrees 01 minute West, 426.88 feet to an iron pin, the point and place of beginning in line of Sub-parcel B and said tract and *plan, aforesaid.*

TITLE TO SAID PREMISES WAS VESTED IN Edwin F. Stewart, Jr. and Blanche W. Stewart, husband and wife, a 1/3 interest as tenants in common, without the right of survivorship; and Edwin F. Stewart, III, Elizabeth Stewart Nicholas, and Frank C. Nicholas as Trustees under an Irrevocable Agreement of Trust for Edwin F. Stewart, III son, a 1/3 interest as tenants in common and Frank C. Nicholas and Elizabeth Stewart Nicholas as Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild a 1/3 interest as tenants in common, by Deed from Edwin F. Stewart, Jr. and Blanche W. Stewart,

husband and wife, father and mother, grandfather and grandmother dated 8/29/1988 and recorded 5/4/1989 in the County of Bucks in Land Record Book 45 Page 1920.

TITLE TO SAID PREMISES WAS VESTED IN Elizabeth S. Nicholas an undivided 1/6 interest by Deed from Edwin F. Stewart, Jr. and Blanche W. Stewart, husband and wife dated 12/23/1998 and recorded 12/28/1998 in the County of Bucks in Land Record Book 1741 Page 1100. (Edwin F. Stewart, Jr. and Blanche W. Stewart had a 1/3 interest which is 2/6 interest which 1/6 interest was conveyed in this deed)

TITLE TO SAID PREMISES WAS VESTED IN Elizabeth S. Nicholas by Deed from Edwin F. Stewart, Jr. and Blanche W. Stewart, husband and wife dated 1/5/1999 and recorded 1/7/1999 in the County of Bucks in Land Record Book 1750 Page 652. (Edwin F. Stewart, Jr. and Blanche W. Stewart conveyed their 1/6th interest they had remaining in this property)

Giving Edwin F. Stewart, III, Elizabeth Stewart Nicholas, and Frank C. Nicholas as Trustees under an Irrevocable Agreement of Trust for Edwin F. Stewart, III son, 1/3 interest as tenants in common and Frank C. Nicholas and Elizabeth Stewart Nicholas as Trustees under an Irrevocable Agreement of Trust for the Children of Frank C. and Elizabeth Stewart Nicholas: Siobhan S. Nicholas, grandchild, Frank C. Nicholas, III, grandchild and Casey G. Nicholas, grandchild a 1/3 interest as tenants in common and Elizabeth S. Nicholas a 1/3 interest individually in the premises.

COPY

pennsylvania DEPARTMENT OF REVENUE (EX) MOD 06-19 (FI)

REV-183

BUREAU OF INDIVIDUAL TAXES
PO BOX 280603
HARRISBURG, PA 17128-0603

1830019105

REALTY TRANSFER TAX STATEMENT OF VALUE
COMPLETE EACH SECTION

RECORDER'S USE ONLY
State Tax Paid:
Book: | Page:
Instrument Number:
Date Recorded

SECTION I TRANSFER DATA

Date of Acceptance of Document

Grantor(s)/Lessor(s)	Telephone Number	Grantee(s)/Lessee(s)	Telephone Number
See Exhibit A attached hereto.		See Exhibit A attached hereto.	
Mailing Address		**Mailing Address**	
109 Overlook Lane		109 Overlook Lane	
City / **State** / **ZIP Code**		**City** / **State** / **ZIP Code**	
Wayne / PA / 19087		Wayne / PA / 19087	

SECTION II REAL ESTATE LOCATION

Street Address	City, Township, Borough	
56 Walnut Street Chalfont, PA 18914	New Britain Township	
County	**School District**	**Tax Parcel Number**
Bucks County	Central Bucks School District	26-001-099

SECTION III VALUATION DATA

Was transaction part of an assignment or relocation? ○ YES ● NO

1 Actual Cash Consideration	2 Other Consideration	3. Total Consideration
1.00	+ 0	= 1.00
4. County Assessed Value	**5 Common Level Ratio Factor**	**6. Computed Value**
3,320	x 15.87	= 52,688.40

SECTION IV EXEMPTION DATA - Refer to instructions for exemption status.

1a Amount of Exemption Claimed	1b. Percentage of Grantor's Interest in Real Estate	1c. Percentage of Grantor's Interest Conveyed
$ 52,688.40	33 1/3 %	100 %

2. Fill in the Appropriate Oval Below for Exemption Claimed.

- ○ Will or intestate succession. _____ (Name of Decedent) _____ (Estate File Number)
- ● Transfer to a trust. (Attach complete copy of trust agreement and all amendments.)
- ○ Transfer from a trust. (Attach complete copy of trust agreement and all amendments.)
- ○ Transfer between principal and agent/straw party. (Attach complete copy of agency/straw party agreement.)
- ○ Transfers to the commonwealth, the U.S. and instrumentalities by gift, dedication, condemnation or in lieu of condemnation. (If condemnation or in lieu of condemnation, attach copy of resolution.)
- ○ Transfer from mortgagor to a holder of a mortgage in default. (Attach copy of mortgage and note/assignment.)
- ○ Corrective or confirmatory deed. (Attach complete copy of the deed to be corrected or confirmed)
- ○ Statutory corporate consolidation, merger or division. (Attach copy of articles)
- ○ Other (Provide a detailed explanation of exemption claimed. If more space is needed attach additional sheets.)

BEING exempt from Pennsylvania Realty Transfer Tax pursuant to 61 Pa. Code § 91.193(b)(8), as a transfer of property to a trustee of an ordinary trust

SECTION V CORRESPONDENT INFORMATION - All inquiries may be directed to the following person:

Name		Telephone Number
Reuben H. Asia, Esquire		(215) 988-2700
Mailing Address	**City**	**State** / **ZIP Code**
Faegre Drinker Biddle & Reath, 1 Logan Square, Ste 2000	Philadelphia	PA / 19103

Under penalties of law, I declare that I have examined this statement, including accompanying information, and to the best of my knowledge and belief, it is true, correct and complete.

Signature of Correspondent or Responsible Party: Reuben H. Asia — Date: 10/9/2024

FAILURE TO COMPLETE THIS FORM PROPERLY OR ATTACH REQUESTED DOCUMENTATION MAY RESULT IN THE RECORDER'S REFUSAL TO RECORD THE DEED.

1830019105

1830019105

Realty Transfer Tax Statement of Value

Exhibit A

Section I: Trasfer Data

Lessor(s)/Grantor(s):	ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. as to an undivided one-third (1/3) interest in the Premises
Lessee(s)/Grantees(s):	ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O SIOBHAN WELSH, as to an undivided one-ninth (1/9) interest in the Premises as tenants in common, ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O FRANK NICHOLAS, as to an undivided one-ninth (1/9) interest in the Premises as tenants in common, and ELIZABETH NICHOLAS AND SIOBHAN WELSH, CO-TRUSTEES UNDER A TRUST UNDER AN IRREVOCABLE AGREEMENT OF TRUST FOR EDWIN F. STEWART, III ET AL. F/B/O CASEY NICHOLAS, as to an undivided one-ninth (1/9) interest in the Premises as tenants in common

COPY

HGL Restoring the Environment. Protecting Our Future.

Memorandum

TO:	Sharon Fang, TOCOR
FROM:	Misty Kauffman, HGL Project Manager
DATE:	July 26, 2024
SUBJECT:	Additional Well Installation and Sampling Technical Memorandum, North Penn 5 OU2, Revision 2, Final
CONTRACT:	68HE0318D0006
TASK ORDER:	68HE0320F0021

1.0 INTRODUCTION

The U.S. Environmental Protection Agency Region 3 (EPA) tasked HydroGeoLogic, Inc. (HGL) to conduct Remedial Investigation (RI) activities at the North Penn 5 Operable Unit (OU) OU2 site located in Colmar, Pennsylvania. The North Penn 5 Area Superfund Site is divided into three OUs. This RI relates to OU1 and OU2. OU1 is in the vicinity of the facility formerly owned and operated by BAE Systems Information and Electronic Systems Integration, Inc. (BAE). OU2 is in the vicinity of the facility formerly operated by Stabilus, Inc., located at 92 County Line Road, Colmar, Pennsylvania. The site layout is provided in Figure 1.

Twenty-nine nested groundwater monitoring wells were installed in 12, 8-inch boreholes and then sampled to assess and delineate the occurrence of contaminants of concern (COCs).. Trichloroethene (TCE) and its daughter products (cis-1,2-dichloroethene [DCE], trans-1,2-DCE and vinyl chloride) are the primary COCs at the site. For the groundwater monitoring well installation, two boreholes were advanced at the farm field located at the intersection of County Line Road and Walnut Street, two more were advanced in the ,,KEMA Labs/Powertest parking lot directly across the street from the former Stabilus property, four were advanced on the former Stabilus property, and four were advanced on the former BAE property. The new groundwater monitoring well locations are shown on Figure 1. Borehole geophysical logging and packer testing were completed in each borehole prior to the construction of the wells. Two-inch diameter, nested monitoring wells were also constructed at each borehole location with two to three monitoring wells completed at each borehole location. The rationale for monitoring well locations is provided below.

Corporate Headquarters
11107 Sunset Hills Road, Suite 400
Reston, Virginia 20190
703-478-5186

Borehole	Well ID	Rationale
Borehole A	RI-17	Vertically delineate contamination at RI-17D (total depth – 188 ft).
Borehole B	EPA-04	Delineate side gradient to the west of RI-39I and RI-17D.
Borehole C	EPA-05	Delineate side gradient to the east of RI-39I and RI-17D.
Borehole D	EPA-06	Delineate to northeast of RI-39I and evaluate the northwesterly flow component.
Borehole E	RI-39	Shallow well to monitor high trichloroethylene (TCE) detected during packer testing at RI-39I. A shallow well was not previously installed at this location.
Borehole F	EPA-07	Delineate east of RI-39I.
Borehole G	RI-35	Vertically delineate contamination at RI-35 cluster (deepest well (RI-35DD) – 240).
Borehole H	RW-5R	Replace RW-5 wells with Borehole, properly constructed wells.
Shallow Borehole H	RW-5R	Replace RW-5 shallow well with Borehole, properly constructed wells.
Borehole I	RI-40	Vertically delineate TCE contamination at RI-40OB and TW-03 from the 2013 overburden delineation.
Borehole J	EPA-08	Vertically delineate overburden TCE contamination and investigate up dip of RW-5 wells.
Borehole K	EPA-09	Determine whether the suspected former pond location contributes to the OU2 plume.

Each new well was developed after completion and sampled for volatile organic compounds (VOCs). Select existing wells on both the OU1 and OU2 properties were also sampled.

This memorandum presents the field methods used and results of groundwater monitoring well installation and sampling activities conducted at the site in 2022 and 2023.

Fieldwork was generally conducted in conformance with procedures detailed in the *Revision 4, Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP), North Penn Area 5 Superfund Site, OU2 Remedial Investigation*, prepared by HGL and dated July 2023. Deviations from the UFP-QAPP are provided below. These deviations did not have an impact on the data quality objectives.

- Boreholes A and B were installed prior to Boreholes C and D due to property access issues.
- W-3 and W-5 were not located during the field event and water levels and samples were not collected at these locations.
- BC-1 was located but the well was locked and inaccessible. As a result, a water level was not obtained from this well.
- RI-15S/D and RI-1S/D were not located. HGL met with the Quad Graphics Plant Director and attempted to locate these wells. HGL did not observe any evidence of the wells. The plant director recalled that these wells were abandoned or capped. As a result, water levels and samples were not obtained from these locations.
- RI-9S/D required clearing and was not accessible for water levels.
- Not all the transducer locations indicated in the QAPP for specific boreholes were used due to the sequencing of the boreholes and/or field challenges with moving the transducers

in adequate time. In addition, the open boreholes presented challenges with installing the transducers as they would get hung up in the open boreholes. Although not all locations were collected, transducer data was collected throughout the site during borehole drilling and packer testing. Attachment 6 provides a summary of the transducer data that was collected during borehole drilling and packer testing.

- The water column at RI-40OB was very shallow, between 6 inches and 1 foot. Therefore, RI-40OB was not used as a transducer location. During sampling, a grab sample was collected using a bailer at this location instead of the low-flow purge sampling protocol.

2.0 FIELD ACTIVITIES

The field activities conducted for this task are listed below, and the equipment and methods used for each are summarized in the following subsections.

- Borehole completion
- Monitoring well abandonment
- Geophysical logging
- Packer testing
- Monitoring well construction
- Groundwater sampling

2.1 BOREHOLE COMPLETION

Before drilling activities commenced, EPA arranged for access at each property. HGL coordinated utility mark outs with the Pennsylvania One Call System. In addition, HGL subcontracted private utility mark outs for each location.

HGL and the drilling subcontractor (Raab Drilling) mobilized to the site on September 27, 2022 to begin borehole drilling activities. Boreholes A, B, E, F, G, H, I, and J were completed during the first mobilization between September 27, 2022 and October 17, 2022. Boreholes C and D were completed during the second mobilization which was performed between October 31, 2022 and November 3, 2022. Following the completion of packer testing at Boreholes G and H, the EPA decided to extend these boreholes to 500 ft bgs. Boreholes G and H were extended to their final depths between March 6 and 10, 2023. In addition, during this mobilization the additional shallow Borehole H was drilled to replace the shallow wells at RW-5. Borehole K was drilled between April 11 and 12, 2023. . The borings were advanced using an air-rotary drilling rig. An investigation-derived waste (IDW) storage area was staged in the parking lot of the OU2 property. All drill cuttings were contained in a lined rolloffs, and IDW water was contained in frac tanks. IDW water was collected in frac tanks, sampled, treated accordingly, and discharged via a temporary discharge permit. The solid IDW was transported off-site for disposal as non-hazardous waste.

The locations of the boreholes are depicted on Figure 2. Borehole Logs are provided in Attachment 1.

For each borehole, an initial, 12-inch diameter bore was advanced to a depth of 20 to 35 feet below ground surface (bgs) into competent rock, and a 10-inch diameter steel casing was grouted into

place. At Borehole C, the initial casing was removed, and a 10-inch diameter steel casing was installed to 40 ft bgs to stabilize an area of rubble that caused several obstructions in the well. The grout was allowed to set for at least 24 hours prior to continuing the borehole to the planned total depth. Next, an 8-inch diameter hole was advanced through the grout seal to the total borehole depth. The borehole depths were as follows.

- Borehole A – 400 ft bgs
- Borehole B – 400 ft bgs
- Borehole C – 400 ft bgs
- Borehole D – 400 ft bgs
- Borehole E – 50 ft bgs
- Borehole F – 350 ft bgs
- Borehole G – 350 ft bgs
    - Borehole G extended to 500 ft bgs
- Borehole H – 250 ft bgs
    - Borehole H extended to 500 ft bgs
- Shallow Borehole H – 80 ft bgs
- Borehole I – 200 ft bgs
- Borehole J – 200 ft bgs
- Borehole K – 250 ft bgs

Each borehole was then completed with a 24-inch square concrete well pad and flush-mount well vault.

The geology encountered in all the boreholes was similar. Silt, clay, and weathered shale bedrock was encountered during the first 13 to 20 ft-bgs. The weathered shale became more competent with depth and transitioned into the reddish-brown mudstone, shale, and siltstone. At greater depths, the reddish-brown became interfingered with light grey shales and siltstones. Based on past interpretations by Risser and Bird (Risser and Bird, 2003), boreholes D though K were completed in the Lockatong Formation, while boreholes A though C were likely completed in the Brunswick Formation.

Risser and Bird (2003) also note that the contact between the Brunswick and the Lockatong Formations generally is located where the total thickness of interfingered red beds of the Brunswick equals the total thickness of interfingered gray and black beds of the Lockatong, which results in some ambiguity in mapping local stratigraphy.

The bedrock has low primary porosity, but moderate to high secondary porosity via a network of fractures, bedding-planes, and high-angle joints throughout which groundwater exists and can flow both vertically and horizontally. Noticeable water was first encountered between 18 and 29 ft-bgs. Discrete water-bearing fractures were encountered in all boreholes, although the yields were significantly different in each, and ranged from less than 5 gpm (Borehole J) to more than 100 gpm (Borehole B).

Following the initial borehole drilling at Boreholes C, G and H, loose rocks from the sidewall dislodged causing several blockages within the boreholes. To clear the obstructions, the drilling

rig was remobilized, and the blockages cleared by advancing the drill bit to the bottom of the borehole(s) and removing the drill cuttings. Following a third collapse at Borehole C, the 30 ft casing was removed and replaced with a 45-foot casing to stabilize a rubblized zone encountered from a depth of approximately 30 to 40 feet.

Structural variations in geologic formations have the potential to steer the drill bit. This occurred in several of the boreholes where high angle fractures as well as alternating layers of hard and soft rock were encountered during drilling. The measured tilt angles provide an indication of the degree of borehole deviation from vertical. Boreholes G, H, I, and J had maximum tilt angles of 5°, 5°, 8°, and 10° respectively. These did not pose major issues during logging or packer testing. However, the maximum tilt angles at Boreholes A, B, C and D exceeded 20° which limited geophysical logging. The deviation plots are provided in the Geophysical Report and Features Tables (Attachment 2).

During borehole drilling and packer testing activities, pressure transducers were placed in selected wells. The transducer data was not analyzed as part of this report but is available for review and use when updating the Conceptual Site Model. Due to field changes, not all proposed locations for transducer deployment were available or located during field activities. A summary of the transducer locations for each borehole and packer testing interval is included in Attachment 3. The transducer data was made available to the EPA and Terraphase, the OU2 subcontractor, on December 26, 2023 via a SharePoint site for evaluation during development of the Conceptual Site Model.

2.2 MONITORING WELL ABANDONMENT

RW-5S, RW-5I, and RW-5D were abandoned following the installation of the Borehole RW-5R boreholes. These wells were replaced because the RW-5 wells were previously constructed with well screens of up to 100 feet or were open boreholes. The replacement wells were installed as monitoring wells with shorter wells screens which were selected based on geophysics and packer testing results.

2.3 GEOPHYSICAL LOGGING

After completion of borehole drilling, downhole geophysical logging was conducted in each borehole by HGL's subcontractor Earth Data Northeast (EDN). Logging activities were conducted between October 22, 2022 and April 14, 2023.

The following geophysical surveys were performed in each borehole:

- Acoustic televiewer;
- Optical televiewer;
- 3-arm caliper;
- Fluid temperature/fluid conductivity;
- Natural gamma;

- Electrical resistivity (single point, spontaneous potential, short-normal and long-normal resistivity); and
- Heat pulse flow meter (ambient and pumping conditions).

The geophysical logs, and EDN's summary of results, are provided in Attachment 2. In addition, Feature Summary tables for each borehole are provided in Attachment 2.

HGL and EPA held multiple Microsoft Teams videoconference meetings to discuss the geophysical logs, along with the observations made during the drilling process, to select depth intervals to isolate for groundwater sampling during packer testing.

2.4 PACKER TESTING AND FIELD SAMPLE ANALYSIS

Packer testing was conducted between November 10, 2022, and May 24, 2023 by EDN, and overseen by HGL. HGL collected samples for VOCs from each interval. The packer testing intervals are detailed in Table 1. EDN hydraulically isolated each interval. The packer assembly consisted of 8-inch diameter inflatable packers attached to slotted steel casing. Transducers were used to monitor changes in pressure above and below the packer interval to ensure that a tight seal was maintained during purging and sampling of each interval.

Groundwater samples were collected from the isolated intervals following purging of three interval volumes, when practicable. Water levels were monitored within the sampling interval to measure drawdown during sampling. Finally, water quality parameters were measured at routine intervals and samples collected once stabilization was achieved.

The laboratory analytical results of the packer testing interval samples are summarized in Table 2. Figure 3 presents the TCE results for packer testing interval samples. Attachment 4 contains the packer testing field forms. The packer testing results were used to assist in the selection of the screen intervals for the groundwater monitoring wells.

Pressure transducers were placed in the boreholes during packer testing and data is summarized in Attachment 3. Although this data was not analyzed as part of this report, the transducer data was made available to the EPA and Terraphase, the OU2 subcontractor, on December 26, 2023, via a SharePoint site for evaluation during development of the Conceptual Site Model.

2.5 MONITORING WELL INSTALLATION AND CONSTRUCTION

The EPA and HGL held multiple Microsoft Teams videoconference meetings to discuss the results of packer testing and select screen intervals for groundwater monitoring well construction. The results of packer testing and information previously collected during drilling and geophysical logging of the boreholes were used to select the screen intervals for monitoring well construction. The following table provides the well construction intervals. The Well Construction Diagrams are provided in Attachment 5.

Borehole Location	Well Construction Interval (feet below ground surface)	Well ID
Borehole A	87-107	RI-17_87-107
Borehole A	254-274	RI-17_254-274
Borehole A	368-400	RI-17_368-400
Borehole B	30-40	EPA-04_30-40
Borehole B	288-313	EPA-04_288-313
Borehole B	355-400	EPA-04_355-400
Borehole C	50-70	EPA-05_50-70
Borehole C	73-103	EPA-05_73-103
Borehole C	150-180	EPA-05_150-180
Borehole D	30-70	EPA-06_30-70
Borehole D	175-195	EPA-06_175-195
Borehole E	30-50	RI-39_30-50
Borehole F	30-57.5	EPA-07_30-57.5
Borehole F	204-216	EPA-07_204-216
Borehole G	290-310	RI-35_290-310
Borehole G	367-387	RI-35_367-387
Borehole G	480-500	RI-35_480-500
Borehole H*	30-50	RW-5R_30-50
Borehole H*	60-80	RW-5R_60-80
Borehole H	175-190	RW-5R_175-190
Borehole H	320-345	RW-5R_320-345
Borehole H	470-500	RW-5R_470-500
Borehole I	30-75	RI-40_30-75
Borehole I	185-205	RI-40_185-205
Borehole J	30-80	EPA-08_30-80
Borehole J	152-172	EPA-08_152-172
Borehole K	30-50	EPA-09_30-50
Borehole K	150-175	EPA-09_150-175
Borehole K	230-250	EPA-09_230-250

* RW-5R_30-50 and RW-5R_60-80 were installed in Shallow Borehole H drilled on March 9, 2023. Two boreholes were drilled at location H.

Each well was developed within 48 hours by alternately surging and pumping until development water was clear and water quality parameters had stabilized. At least 10 well volumes were removed during development of each well. Well development details are documented in the well development record sheets included in Attachment 6.

2.6 GROUNDWATER SAMPLING

On July 31, 2023, a synoptic round of water level measurements was collected from the new groundwater monitoring wells and select existing groundwater monitoring wells.. Environmental Alliance collected water levels from the OU1 wells on the same day. The groundwater elevations from the following OU1 wells are presented on Figures 4, 5, and 6: PW-9A, PW-9B, PW-16A, PW-16B, PW-18A, PW-18B, PW-21A, PW-21B, and W-9. Groundwater elevations were calculated using the measured water levels and historical survey data. The calculated groundwater elevations for the OU1 and OU2 wells are included in Table 3. The groundwater elevation contours for the shallow (<100 ft bgs), intermediate (approximately 100 to 240 ft bgs), and deep (>240 ft bgs) wells are included in Figures 4, 5, and 6, respectively. Based on the groundwater elevation contour figures, groundwater flows from the OU2 site toward the north and the West Branch of Neshaminy Creek.

Groundwater samples from the new and existing monitoring wells were collected between July 18 and August 4, 2023. Table 4 presents the results of all groundwater samples collected during this event.

As presented on Table 4, at the RI-35 and RW-5R wells, samples were collected after each well volume was removed to evaluate whether concentrations decreased as water was removed. A decreasing trend with volume removed would indicate that shallow groundwater contamination was likely mixed with deeper groundwater during drilling and may not be indicative of groundwater contamination at greater depth. As discussed below, this was observed in some of these samples.

Groundwater samples were collected using submersible pumps and modified low-flow sampling techniques. Two to three well volumes were removed from each well, and water quality parameters were recorded once stabilization was achieved. The samples were analyzed for VOC analysis by a Contract Laboratory Program laboratory. Groundwater monitoring well sampling data sheets are provided in Attachment 7.

3.0 ANALYTICAL RESULTS OF GROUNDWATER SAMPLES

Laboratory analytical results for detected VOCs are provided in Table 4. Analytical results for VOCs were compared to the EPA Maximum Contaminant Level (MCL) drinking water standards or the Regional Screening Level (RSL) for tap water. Sample purge forms are provided in Attachment 7.

During sampling, several of the VOC vials developed air bubbles for an unexplained reason. The field team evaluated the sample collection procedure but could not identify a reason for the air bubbles. This resulted in a validation flag on the sample results of ‘R – rejected’.

TCE concentrations are presented visually in Figures 7, 8, and 9. A summary of the TCE concentrations in groundwater is provided below.

- Off-site wells to the east

  - TCE concentrations in well cluster EPA-05 were above the MCL for TCE in the 50-70 feet interval (5.2 µg/L) and 73-103 feet interval (16 J+ µg/L), and below the MCL in the 150-180 feet screen interval (0.53 J+).
  - Sample results at EPA-06_30-70 and EPA-06_174-195 were below the MCL.
- Off-site wells to the north/northeast
  - At well cluster RI-17, TCE concentrations were above the MCL in all intervals, except for the deepest interval at 368-400 feet. The concentrations are presented below.
    - RI-17_87-107: 36 J µg/L
    - RI-17 254-274: 21 J µg/L.
  - The TCE concentration at RI-17D was 240 J µg/L, and the concentration at RI-17S was below the MCL.
  - At well cluster EPA-04, concentrations of TCE were above the MCL in each interval as presented below.
    - EPA-04_30-40: 32 J µg/L
    - EPA-04_288-313: 140 J µg/L
    - EPA-04_355-400: 18 J µg/L
- Wells on Former Stabilus Property
  - RI-39_30-50 had a TCE concentration of 5,100 J µg/L. This is the highest concentration of TCE at this well cluster location.
  - At EPA-07_30-57.5, the TCE concentration was above the MCL (17 J µg/L) and below the MCL in the 204-216 feet interval.
  - The highest concentrations of TCE detected during the 2023 round of sampling were in the RI-35 cluster, with the highest concentration at RI-35S (10,000 J µg/L). TCE concentrations in all intervals were above the MCL, and concentrations decreased with depth.
    - RI-35I: 3,700 J µg/L
    - RI-35DI: 6,700 J µg/L
    - RI-35D: 3,700 J µg/L
    - RI-35DD: 390 J µg/L
    - RI-35_290-301: 220 J µg/L
    - RI-35_367-387: 210 J µg/L
    - RI-35_480-500: 11 µg/L
  - TCE concentrations at RI-40_30-75 (61 µg/L) and RI-40_185-205 (13 J µg/L) were above the MCL and decreased with depth.
- Wells on the Former BAE Property
  - TCE concentrations in the RW-5R cluster were above the MCL in all intervals. The highest concentration (1,000 J µg/L) was in the shallow interval (30 to 50 feet), followed by the 175-190 feet interval (210 J µg/L). The TCE concentration in the deepest interval (470 – 500 feet) was 15 µg/L.
  - TCE concentrations in EPA-08 were above the MCL. The TCE concentration in the 30-80 feet interval was 17 J µg/L and in the 152-172 feet interval the TCE concentration was 9.4J µg/L.
  - TCE concentrations at the EPA-09 well cluster were all below 1 µg/L.

A summary of the highest TCE detections observed during the 2023 sampling event is presented below:

- RI-35S at 10,000 J µg/L
- RI-35DI at 6,700 J µg/L
- RI-39_30-50 at 5,100 J µg/L
- RI-33S at 8,600 J µg/L
- RI-33I at 7,500 J µg/L
- RI-38I at 8,900 J µg/L

- The concentrations of TCE observed during packer testing decrease significantly in the screened wells after development at RI-35_290-310, RI-35_367-387, RI-35_470-500, RW-5R_60-80, and RW-5R_470-500. In addition, a sample was collected from these wells after each well volume was purged during sampling. As shown in the table below, some TCE concentrations decreased slightly while others increased slightly as additional volume was purged from the well. However, the concentrations remained relatively consistent after each volume was removed. The observed decrease in TCE concentrations between the packer testing and groundwater sampling events may be due to mixing of the water column within the borehole prior to well installation and the removal of the mixed water during development and purging. The decreasing trend is presented in the table below.

Well Location	Packer Testing Result -TCE (µg/L)	1st Well Volume Result – TCE (µg/L)	2nd Well Volume Result- TCE (µg/L)	3rd Well Volume Result – TCE (µg/L)
RW-5R_175-190	210	230	220	210
RW-5R_320-345	190	45	47	49
RW-5R_470-500	320/300 (duplicate)	15	15	15
RI-35_290-310	3700	200	210	220
RI-35_367-387	2700/2900 (duplicate)	180	170	210/200 (duplicate)
RI-35_480-500	2700	14	13	11

- Concentrations also decreased in EPA-08 (EPA-08_152-172) following well installation and development from 100 µg/L (during packer testing) to 9.4 µg/L.

- The concentrations of TCE observed during packer testing at Borehole C (EPA-05) were below the MCL; however, TCE concentrations in the screened wells were above the MCL in samples EPA-05_50-70 (5.2 µg/L) and EPA-05_73-103 (16 J+ µg/L).

Other COCs that were detected above their respective screening levels were cis-1,2-dichlorethene (cis-1,2-DCE), trans-1,2-dichlorethene (trans-1,2-DCE), vinyl chloride, and 1,1-dichlorethene (1,1-DCE) which are degradation (or daughter) products of TCE. In addition, 1,1-dichloroethane

was detected above its RSL at a few locations. A summary of the TCE daughter products is provided here.

- Cis-1,2-DCE was detected above its MCL of 70 µg/L in 27 sample locations. The highest concentrations of cis-1,2-DCE are summarized below.
  - RI-35S at 7,000 µg/L
  - RI-33S at 4,100 µg/L
  - RI-35DD at 1,500 µg/L
  - RI-35DI at 1,600 µg/L
  - RI-35I at 1,500 µg/L
  - RI-38I at 1,900 µg/L
- Trans-1,2-DCE was detected above its MCL of 100 µg/L at the following sample locations.
  - RI-33S (230 µg/L)
  - RI-35D (130 µg/L)
  - RI-35S (140 µg/L)
  - RI-38I (130 µg/L).
- 1,1_DCE exceeded its MCL of 7 µg/L at 13 sample locations. The highest concentrations are summarized below.
  - RI-38I at 200 µg/L
  - RI-35D at 180 µg/L
  - RI-33S at 300 µg/L
  - RI-35S at 120 µg/L
- Concentrations of vinyl chloride exceeded its MCL of 2 µg/L in 27 sample locations. The highest concentrations of vinyl chloride are summarized below.
  - RI-33S at 380 µg/L
  - RI-35S at 780 µg/L
  - RI-38I at 130 µg/L

- Samples for PFAS compound laboratory analyses were collected from the frac tanks when applying for IDW discharge permits. One PFAS sample was collected in October 2022, and eight samples were collected from the frac tanks in May 2023. Low levels of PFAS compounds were detected in the May 2023 frac tank samples. Groundwater monitoring well samples were not laboratory analyzed for PFAS compounds, and the groundwater sampling protocol did not require mitigation for possible cross contamination due to PFAS compounds. As a result, PFAS compounds could have been introduced from sampling equipment, PFAS-containing materials used during the sampling process, or they may be present in groundwater. The May 2023 PFAS sample results are included in Attachment 8 for reference.

4.0 CONCLUSIONS

This technical memorandum summarizes the well installation activities and the additional groundwater characterization activities performed at the North Penn Area 5 Superfund Site from 2022-2023. Based upon the current (2023) groundwater sampling event from the groundwater

monitoring well network, the highest COC concentrations (TCE and its degradation products) were detected at the former Stabilus property. The new groundwater monitoring wells assisted in refining, and further characterizing and delineating, the extent of groundwater impacts at the North Penn Area 5 Superfund Site.

Based upon the current groundwater sampling event, HGL recommends additional groundwater sampling to verify the 2023 sample results from the newly installed groundwater monitoring wells. Existing groundwater monitoring wells should also be included in the next round of groundwater sampling to further evaluate and assess concentration trends in groundwater.

5.0 REFERENCES

Hydrogeologic, Inc. (HGL), 2023. UFP-QAPP, Revision 4, North Penn Superfund Site OU2 Remedial Investigation, Colmar, PA. July.

Risser, D. W. and P. H. Bird, 2003. Aquifer Tests and Simulation of Ground-Water Flow in Triassic Sedimentary Rocks Near Colmar, Bucks And Montgomery Counties, Pennsylvania. Water-Resources Investigations Report 03-4159.

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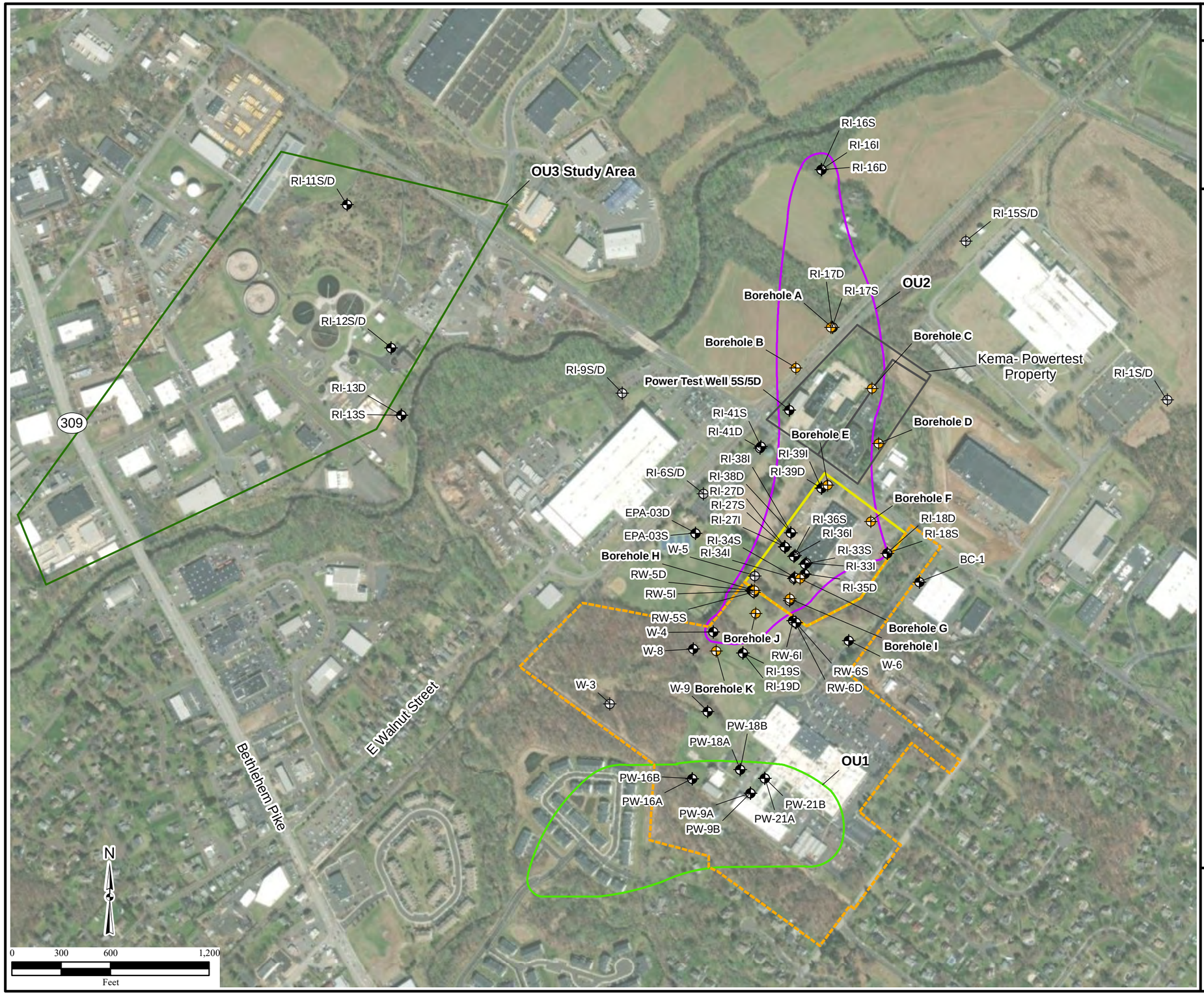
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Attachment 6 Monitoring Well Development Logs
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FIGURES

Figure 1
Site Layout



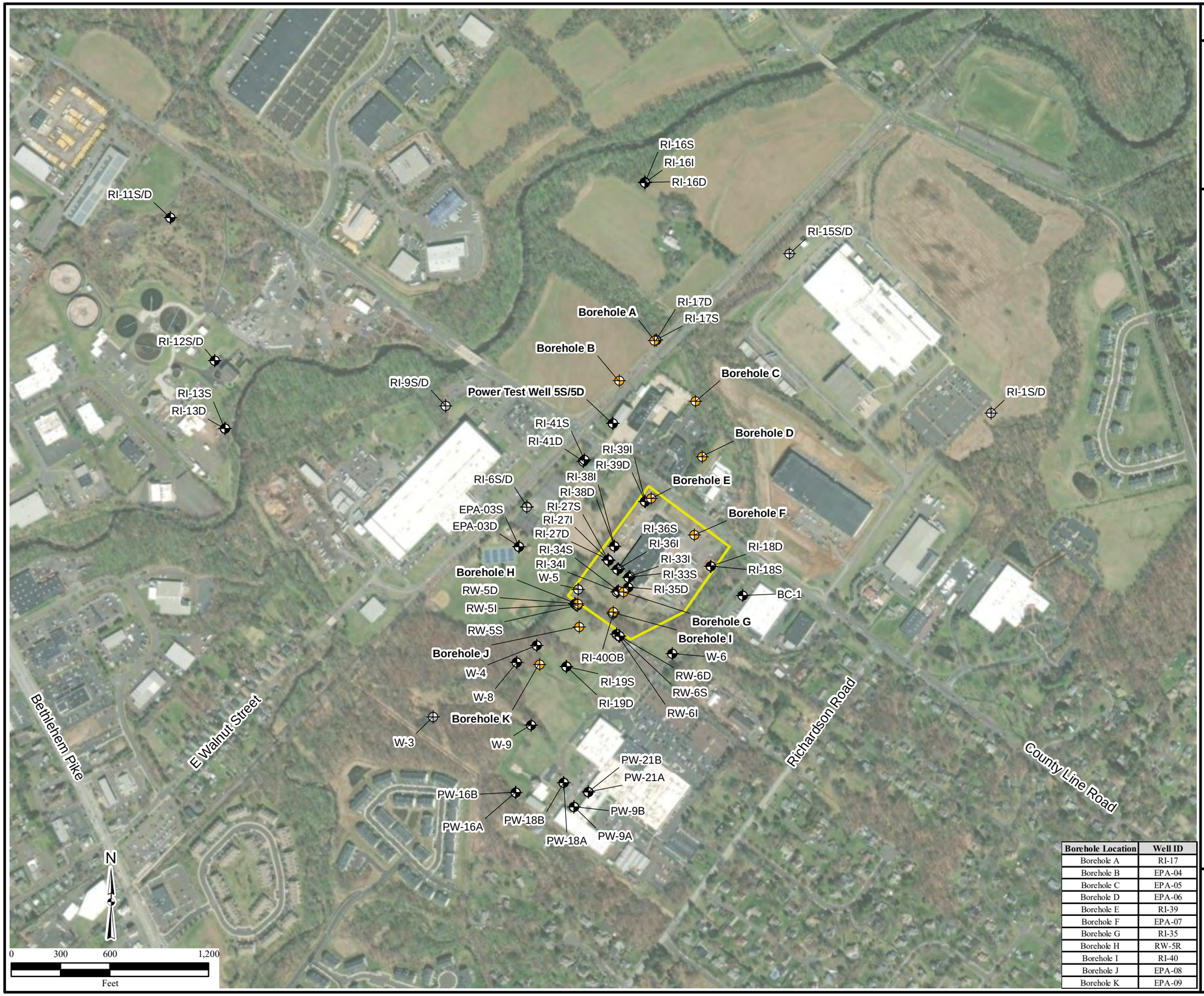
Legend

- Proposed Monitoring Well
- Abandoned or Not Located Monitoring Well
- Existing Monitoring Well
- Approximate Extent of OU1 Groundwater Plume
- Approximate Extent of OU2 Groundwater Plume
- OU3 Study Area
- Kema- Powertest Property
- Former Stabilus Property Boundary
- Fomer BAE Systems Property Boundary

Notes:
OU=operable unit
TCE=trichloroethylene

\\srv-gst-01\HGLGIS\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(01)Site_Layout_Plumes.mxd
6/6/2024 GP
Source: HGL, USEPA, Geosyntec ArcGIS Online Imagery

Figure 2
Borehole Locations



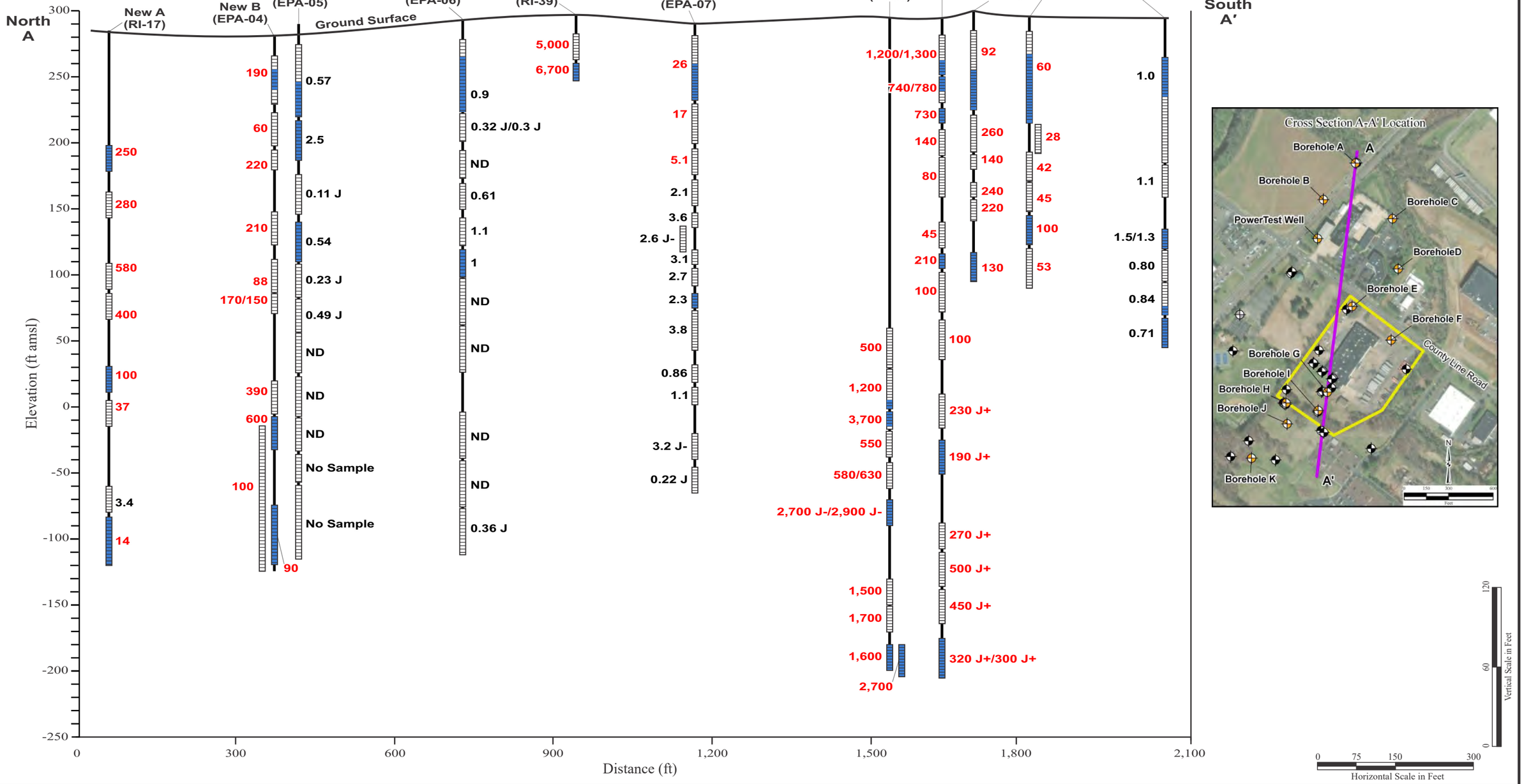
Borehole Location	Well ID
Borehole A	RI-17
Borehole B	EPA-04
Borehole C	EPA-05
Borehole D	EPA-06
Borehole E	RI-39
Borehole F	EPA-07
Borehole G	RI-35
Borehole H	RW-5R
Borehole I	RI-40
Borehole J	EPA-08
Borehole K	EPA-09

Legend

- Proposed Monitoring Well
- Abandoned or Not Located Monitoring Well
- Existing Monitoring Well
- Stabilus Property Boundary (OU2)

Note:
OU2=Operable Unit Two

\\srv-gst-01\HGLGIS\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(02)Borehole_Locations.mxd
6/6/2024 GP
Source: HGL, USEPA, Geosyntec ArcGIS Online Imagery



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05/28/2024 GP
Source: HGL, USEPA, Geosyntec

New A (RI-17) — Boring/Well Identification

500 — TCE Concentration (µg/L)

Boring

Well Screen/Packer Interval

Well Screen/Packer Interval (Completed Well)

Legend

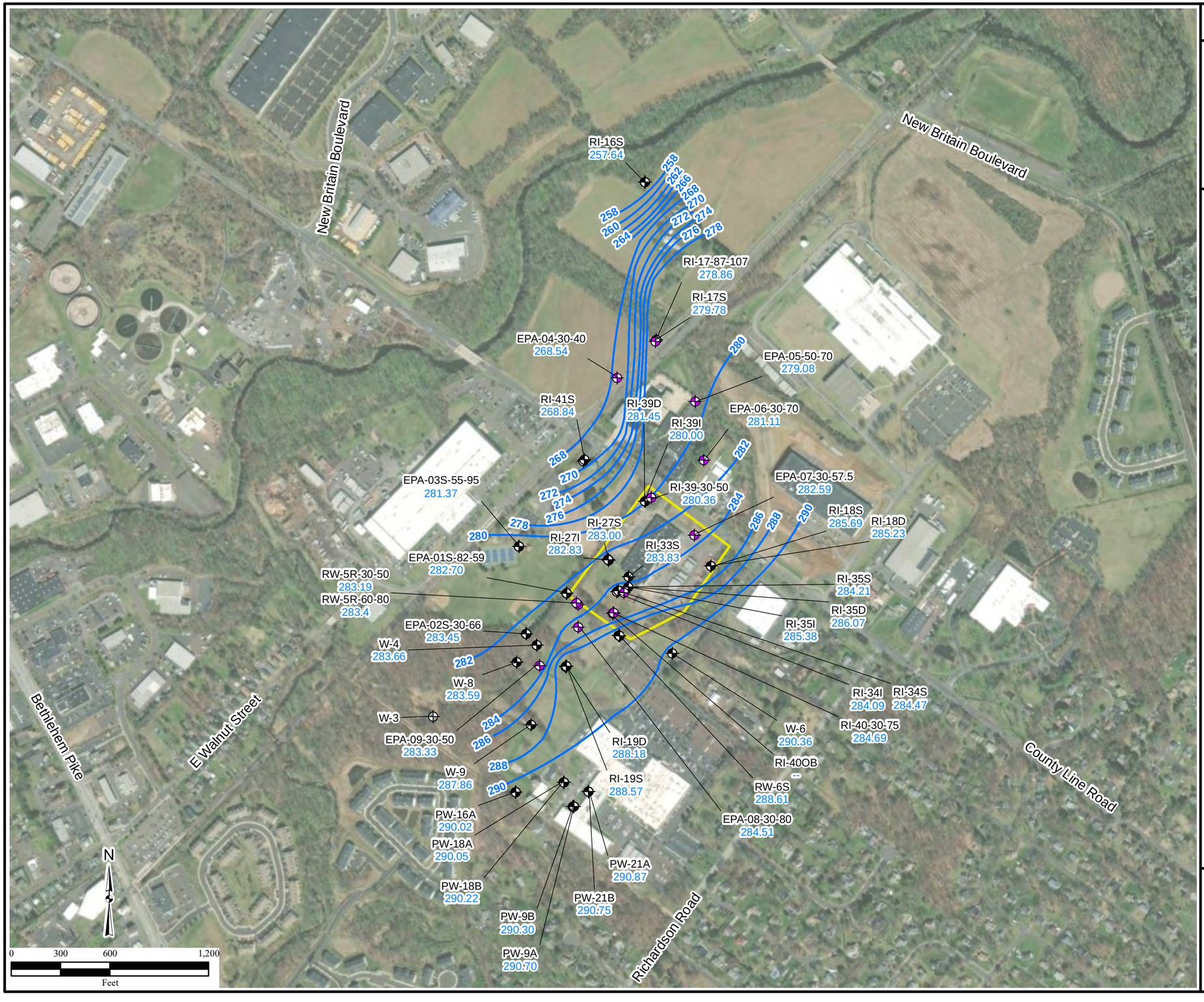
Notes:
Samples collected November 2022 to May 2023.
Red result is TCE value above 5 µg/L.

ft amsl=feet above mean sea level
ND=not detected
OU=Operable Unit
TCE=trichloroethene
µg/L=micrograms per liter

- Proposed Monitoring Well
- Existing Monitoring Well
- Abandoned or Not Located Monitoring Well
- Cross Section Location
- Stabilus Property Boundary (OU2)

Figure 3
Cross Section A-A′
2023 Packer Testing Results
TCE

Figure 4
Shallow Groundwater Elevation Contours



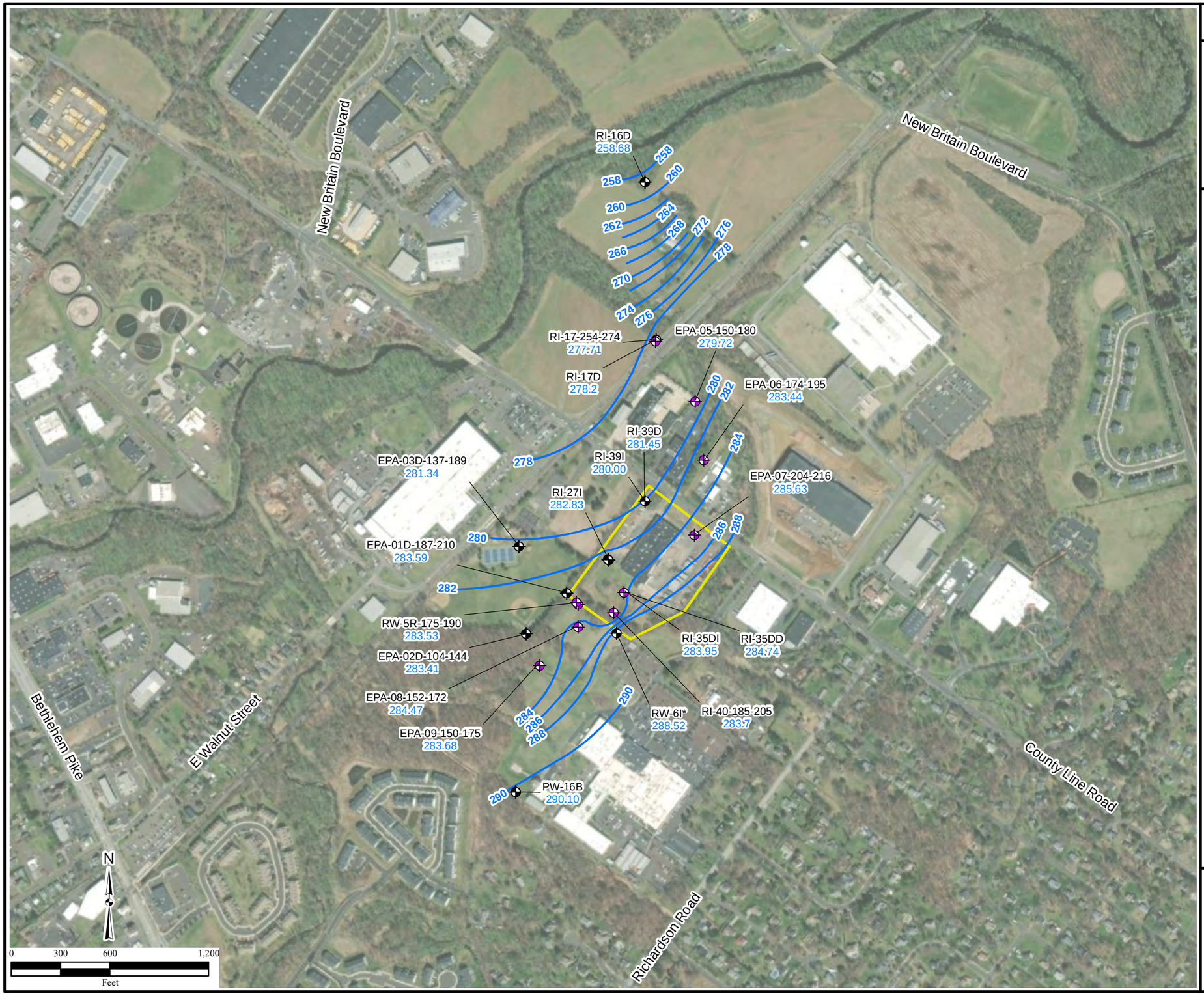
Legend

- New Monitoring Well
- Existing Monitoring Well
- Not Located Well
- RI-16S / 257.64 — Well Identification / Groundwater Elevation (ft amsl)
- —258— Groundwater Elevation Contour (ft amsl, July 2023)
- Stabilus Property Boundary (OU2)

Notes:
--=unaccessable
ft amsl=feet above mean sea level
OU=operable unit

\\srv-gst-01\HGLGIS\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(04)Shallow_GW_Elev.mxd
7/23/2024 GP
Source: HGL, USEPA, Geosyntec ArcGIS Online Imagery

Figure 5
Intermediate Groundwater Elevation Contours



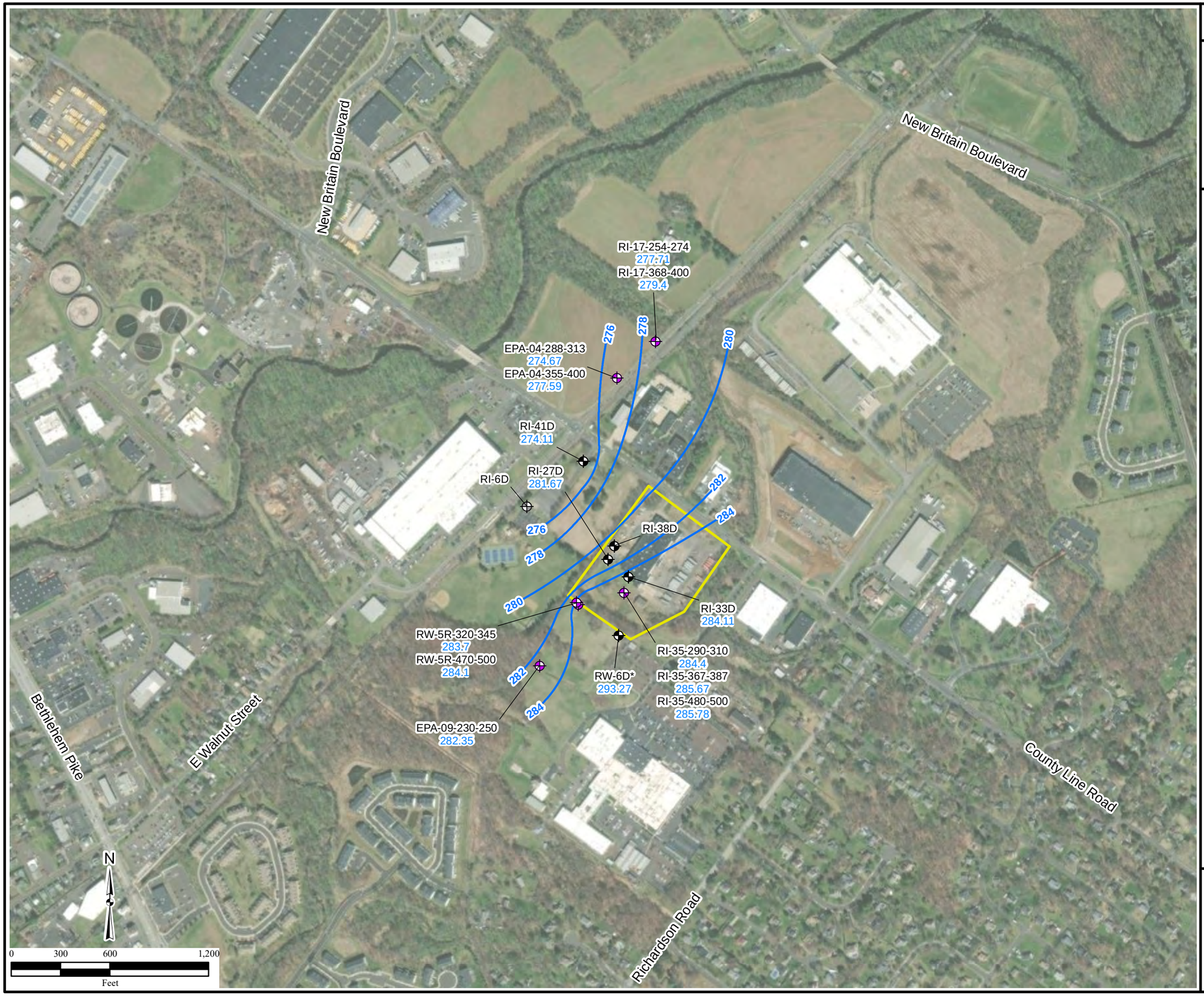
Legend

- New Monitoring Well
- Existing Monitoring Well
- RW-6I / 288.52 — Well Identification / Groundwater Elevation (ft amsl)
- 258 — Groundwater Elevation Contour (ft amsl, July 2023)
- Stabilus Property Boundary (OU2)

Notes:
--=unaccessable
*=RW-6I was not used for groundwater contouring.
ft amsl=feet above mean sea level
OU=operable unit

\\Srv-gst-01\hglgis\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(05)Intermediate_GW_Elev.mxd
7/23/2024 GP
Source: HGL, USEPA, Geosyntec ArcGIS Online Imagery

Figure 6
Deep Groundwater Elevation Contours

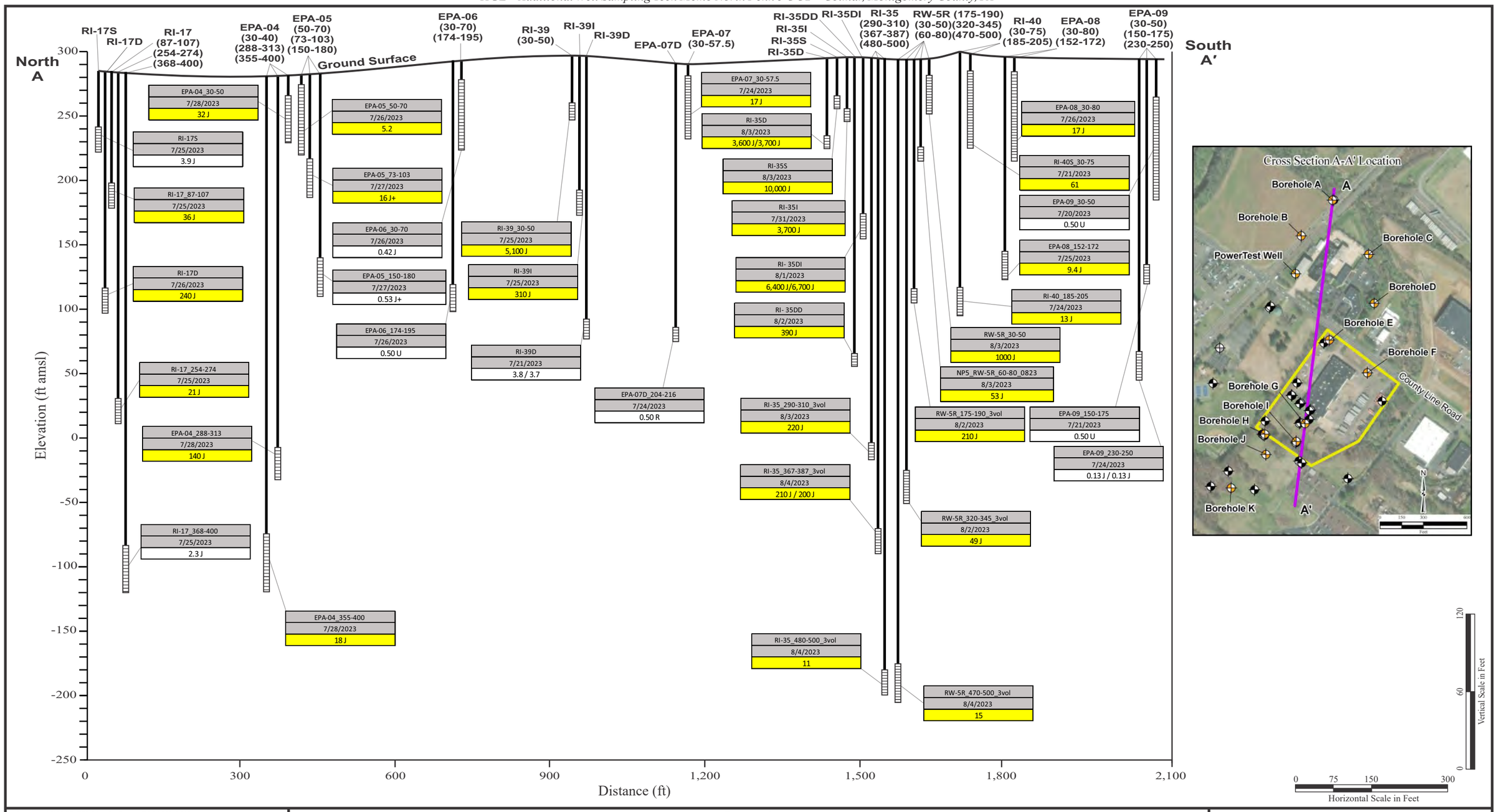


Legend

- New Monitoring Well
- Existing Monitoring Well
- Not Located Monitoring Well
- RI-33D / 284.11 — Well Identification / Groundwater Elevation (ft amsl)
- 276 — Groundwater Elevation Contour (ft amsl, July 2023)
- Stabilus Property Boundary (OU2)

Notes:
--=unaccessable
*=RW-6D was not used for groundwater contouring.
ft amsl=feet above mean sea level
OU=operable unit

\\Srv-gst-01\hglgis\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(06)Deep_GW_Elev.mxd
7/23/2024 GP
Source: HGL, USEPA, Geosyntec ArcGIS Online Imagery



\\Srv-gst-01\HGLGIS\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(07)Cross_Section_AA.cdr
05/28/2024 GP
Source: HGL

Legend

RI-17D Boring/Well Identification

Boring

Well Screen/Packer Interval

Proposed Monitoring Well

Existing Monitoring Well

Abandoned or Not Located Monitoring Well

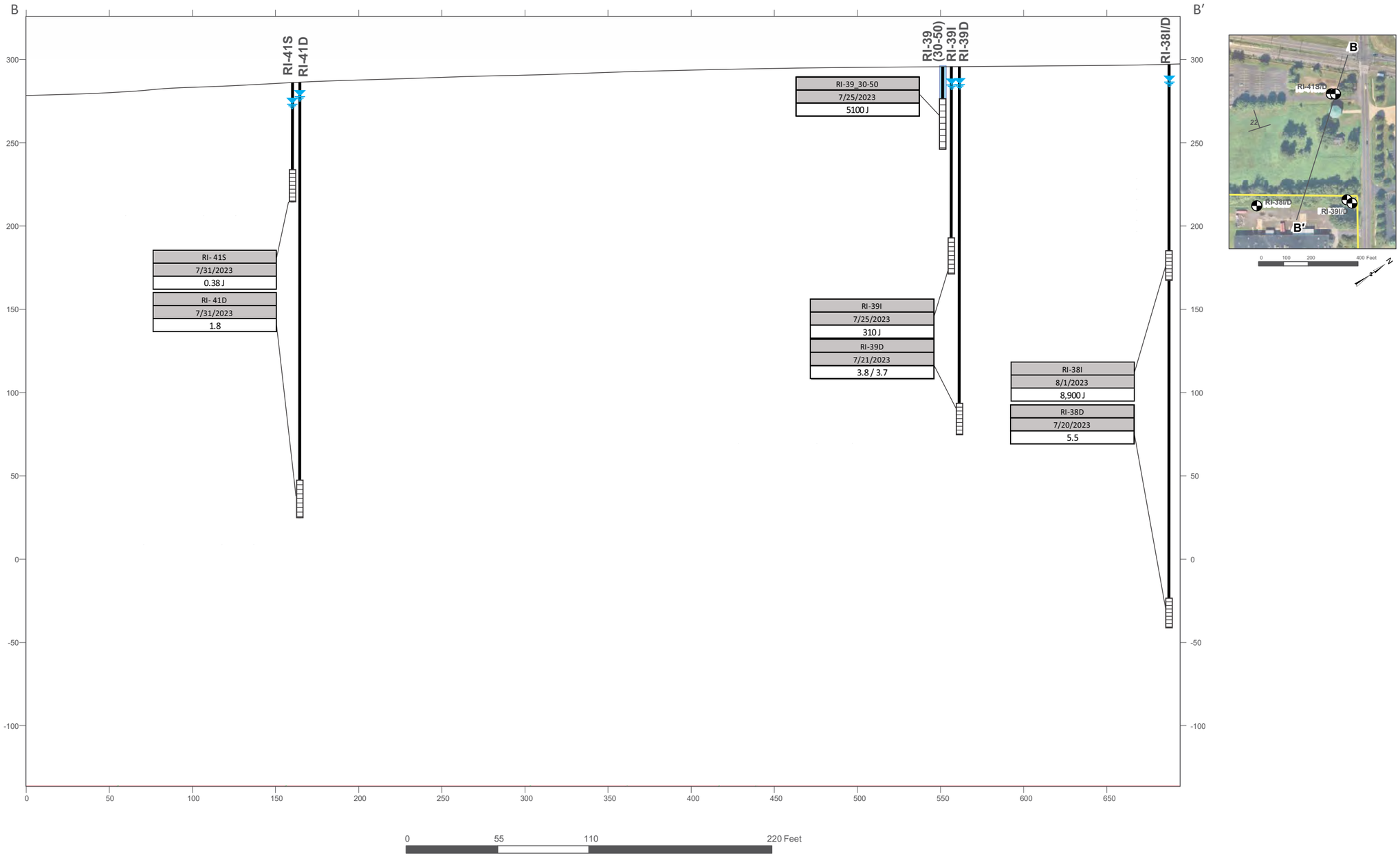
Cross Section Location

Stabilus Property Boundary (OU2)

Notes:
Samples collected between July and August 2023.
TCE concentrations presented in µg/L

ft amsl=feet above mean sea level
OU=Operable Unit
TCE=trichloroethene
µg/L=micrograms per liter

Figure 7
Cross Section A-A′
2023 Groundwater Sample Results - TCE



\\Srv-gst-01\HGLGIS\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(08)Cross_Section_BB.cdr
05/28/2024 GP
Source: HGL, Terraphase Engineering

HGL

Legend

Cross Section Legend

- Groundwater Elevation
- RI-41S — Boring/Well Identification
- Boring
- Well Screen/Packer Interval

Inset Legend

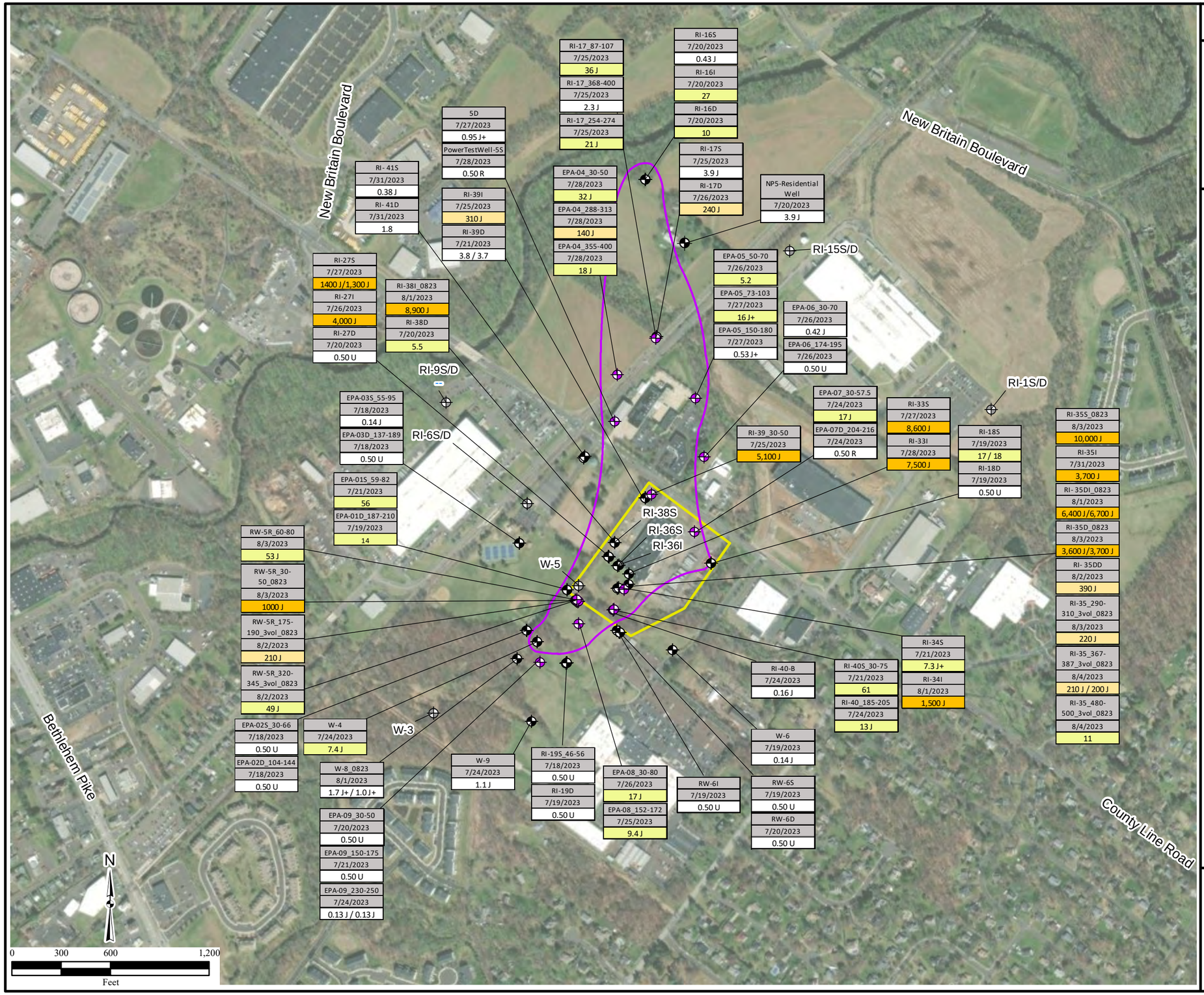
- Bedrock Monitoring Well
- Site Boundary
- Transect
- 22 — Bedrock Fracture Orientation

Notes:
TCE concentrations presented in µg/l

µg/l=micrograms per liter
OU=operable unit
TCE=trichloroethylene

Figure 8
Cross Section B-B'
2023 Groundwater Sample Results -TCE

Figure 9
Groundwater Sample Results
Results - TCE



Legend

- New Monitoring Well
- Existing Monitoring Well
- Abandoned or Not Located Monitoring Well
- Approximate Extent of OU2 Ground Plume
- Stabilus Property Boundary (OU2)

Notes:
Please add a note that all results present TCE concentrations in ug/L.
Yellow is 5ug/L to 99 ug/L
Light orange is 100 ug/L to 999 ug/L
Darker orange is > 1000 ug/

--=unaccessable
µg/L=micrograms per liter
J=Analyte positively detected but result is an estimate.
MCL=maximum contaminant level
OU=operable unit
TCE=trichloroethylene
U=Analyte not detected above the detection/quantitation limit.

\\srv-gst-01\HGLGIS\North_Penn_E2302X\OU2\Additional_Well_Samp_TM\(09)GW_SamplingResults_TCE.mxd
7/23/2024 JM
Source: HGL, USEPA, Geosyntec ArcGIS Online Imagery

HGL

TABLES

Table 1
North Penn 5 OU2
Packer Testing Intervals

Well Intervals (ft bgs)	Well A	Well B	Well C	Well D	Well E	Well F	Well G	Well H	Well I	Well J	Well K
Zone 1	87-107	SWL-52'	SW-70'	SWL-70’	SWL-34'	SWL-57.5'	235-265	SWL to 42’	SWL-75’	SWL to 80’	SWL to 110'
Zone 2	122-142	58-83	73-103	71- 92	36'-50	60.5-90.5	265-295	44-64	79-107	81-103	116-136
Zone 3	176-196	86-101	114-144	99-120	--	94.5-114.5	298-310	68-80	109-121	102-124	150-175
Zone 4	199-219	133-158	150-180	124-145	--	118-140	312-333	84-104	130-142	125-147	175-200
Zone 5	254-274	169-194	182-207	150-171	--	143-155	336-355	105-136	143-159	150-172	200-225
Zone 6	280-300	195-210	208-233	174-195	--	153-173	367-387	154-174	183-205	175-200	228-255
Zone 7	345-365	261-286	233-263	195-230	--	171-183	424-444	178-190	--	--	--
Zone 8	368-400	--	267-297	230-265	--	185-200	445-465	192-223	--	--	--
Zone 8a	--	288-313	--	--	--	--	--	--	--	--	--
Zone 8b	--	295-400	--	--	--	--	--	--	--	--	--
Zone 9	--	355-400	298-323	297-332	--	204-216	473-493	226-250	--	--	--
Zone 10	--	--	--	335-370	--	217-247	473-open	285-310	--	--	--
Zone 11	--	--	--	370-400	--	258-273	--	320-345	--	--	--
Zone 12	--	--	--	--	--	275-290	--	375-400	--	--	--
Zone 13	--	--	--	--	--	310-330	--	405-430	--	--	--
Zone 14	--	--	--	--	--	333-350	--	433-458	--	--	--
Zone 15	--	--	--	--	--	--	--	470-500	--	--	--

ft bgs = feet below ground surface

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well A		Well A		Well A		Well A		Well A		Well A		Well A		Well A		Well A	
		Field Sample ID	NP5_WellA_122-142		NP5_WellA_122-142-2		NP5_WellA_176-196		NP5_WellA_199-219		NP5_WellA_254-274		NP5_WellA_280-300		NP5_WellA_345-365		NP5_WellA_368-400		NP5_WellA_87_107	
		Sample Name	C0M19		C0M75		C0M76		C0M77		C0M78		C0M79		C0M80		C0M81		C0M18	
		Date Collected	02/07/2023		02/07/2023		02/07/2023		02/08/2023		02/08/2023		02/08/2023		02/09/2023		02/09/2023		02/06/2023	
		Sample Depth (ft bgs)	122 - 142		122 - 142		176 - 196		199 - 219		254 - 274		280 - 300		345 - 365		368 - 400		87 - 107	
		Sample Type	Field Sample		Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
Analyte Name	**EPA Tap Water RSLs**	**MCLs[4] (µg/L)**	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.14	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	5.1		5.1		**10**		6.6		1.7		0.63		0.50	U	0.32	J	4.8	
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.38	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	48		47		**95**		49		14		5.1		0.67		2.2		41	
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.31	J	0.30	J	0.41	J	0.28	J	0.50	U	0.50	U	0.50	U	0.50	U	1.1	
trans-1,2-Dichloroethene	6.8	100	4.1		4.1		8.2		5.1		1.5		0.47	J	0.50	U	0.18	J	3.7	
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**280**		**280**		**580**		**400**		**100**		**37**		3.4		**14**		**250**	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	1.5		1.4		**3.1**		1.2		0.21	J	0.12	J	0.50	U	0.50	U	1.4	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the MCL for total trihalomethanes.
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

			Location ID	Well B		Well B		Well B		Well B		Well B		Well B		Well B		Well B		Well B	
			Field Sample ID	NP5_WellB_133-158		NP5_WellB_169-194		NP5_WellB_195-210		NP5_WellB_195-210-2		NP5_WellB_261-286		NP5_WellB_288-313		NP5_WellB_295-400		NP5_WellB_355-400		NP5_WellB_58-83	
			Sample Name	C0M12		C0M13		C0M09		C0M10		C0M14		C0M15		C0M16		C0M98		C0M11	
			Date Collected	02/01/2023		02/01/2023		01/31/2023		01/31/2023		02/02/2023		02/02/2023		02/02/2023		03/09/2023		01/31/2023	
			Sample Depth (ft bgs)	133 - 158		169 - 194		195 - 210		195 - 210		261 - 286		288 - 313		295 - 400		355 - 999		58 - 83	
			Sample Type	Field Sample		Field Sample		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
	Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	1,1,1-Trichloroethane	800	200	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,1,2,2-Tetrachloroethane	0.076	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,1,2-Trichloroethane	0.041	5	10	UJ	5.0	UJ	5.0	UJ	10	UJ	20	UJ	25	UJ	5.0	UJ	0.50	U	5.0	UJ
	1,1-Dichloroethane	2.8	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	5.3	J	2.6	J	3.6	J	4.4	J	**8.4**	J	**11**	J	2.0	J	1.9		2.2	J
	1,2,3-Trichlorobenzene	0.7	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2,3-Trichloropropane	0.00075	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2,4-Trichlorobenzene	0.4	70	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2,4-Trimethylbenzene	5.6	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2-Dibromoethane (EDB)	0.0075	0.05	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2-Dichlorobenzene	30	600	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2-Dichloroethane	0.17	5	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,2-Dichloropropane	0.82	5	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,3,5-Trimethylbenzene	6	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,3-Dichlorobenzene	NSV	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	1,4-Dichlorobenzene	0.48	75	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Acetone	1800	NSV	100	U	50	U	50	U	100	U	200	U	250	U	50	U	5.0	U	50	U
	Benzene	0.46	5	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Bromochloromethane	8.3	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Bromodichloromethane	0.13	80	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Bromoform	3.3	80	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Bromomethane	0.75	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Carbon disulfide	81	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Carbon Tetrachloride	0.46	5	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Chlorobenzene	7.8	100	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Chloroethane	830	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Chloroform	0.22	80	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Chloromethane	19	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	cis-1,2-Dichloroethene	2.5	70	54		34		51		44		59		**74**		12		16		18	
	cis-1,3-Dichloropropene	0.47	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Cyclohexane	1300	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Dibromochloromethane	0.87	80	10	UJ	5.0	UJ	5.0	UJ	10	UJ	20	UJ	25	UJ	5.0	UJ	0.50	U	5.0	UJ
	Dichlorodifluoromethane	20	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Ethyl Benzene	1.5	700	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Isopropylbenzene	45	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	m-&p-Xylenes	19	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Methyl Acetate	2000	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Methyl Butyl Ketone	3.8	NSV	100	U	50	U	50	U	100	U	200	U	250	U	50	U	5.0	U	50	U
	Methyl Ethyl Ketone	560	NSV	100	U	50	U	50	U	100	U	200	U	250	U	50	U	5.0	U	50	U
	Methyl Isobutyl Ketone	630	NSV	100	U	50	U	50	U	100	U	200	U	250	U	50	U	5.0	U	50	U
	Methyl T-Butyl Ether (MTBE)	14	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Methylcyclohexane	20	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Methylene Chloride	11	5	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	o-Xylene	19	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Styrene	120	100	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Tetrachloroethene (Tetrachloroethylene)	4.1	5	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Toluene	110	1000	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.36	J	5.0	U
	trans-1,2-Dichloroethene	6.8	100	5.2	J	2.9	J	3.8	J	4.0	J	5.3	J	7.1	J	1.1	J	1.4		1.7	J
	trans-1,3-Dichloropropene	0.47	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Trichloroethene (Trichloroethylene)	0.28	5	**210**		**88**		**170**		**150**		**390**		**600**		**100**		**90**		**60**	
	Trichlorofluoromethane (Freon 11)	520	NSV	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.50	U	5.0	U
	Vinyl chloride	0.019	2	10	U	5.0	U	5.0	U	10	U	20	U	25	U	5.0	U	0.57		5.0	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

Location ID			Well B		Well B		Well C		Well C		Well C		Well C		Well C		Well C		Well C	
Field Sample ID			NP5_WellB_86-101		NP5_WellB_9.55-52		NP5_WellC_SWL-70		NP5_WellC_114-144		NP5_WellC_150-180		NP5_WellC_182-207		NP5_WellC_208-233		NP5_WellC_233-263		NP5_WellC_233-263-2	
Sample Name			C0M08		C0M07		C0NX6		C0MA1		C0MA2		C0MA7		C0MA8		C0MA3		C0MA4	
Date Collected			01/30/2023		01/27/2023		05/08/2023		03/15/2023		03/15/2023		03/27/2023		03/28/2023		03/15/2023		03/15/2023	
Sample Depth (ft bgs)			86 - 101		9.55 - 52		0 - 70		114 - 144		150 - 180		182 - 207		208 - 233		233 - 263		233 - 263	
Sample Type			Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Duplicate	
Analyte Name	**EPA Tap Water RSLs**	**MCLs[4] (µg/L)**	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	5.0	UJ	5.0	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	4.5	J	3.9	J	0.50	U	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	50	U	50	U	5.0	U	3.3	J	5.0	U	5.0	U	5.0	U	5.0	U	1.8	J
Benzene	0.46	5	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.22	80	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	49		44		0.50	U	0.50	U	0.50	U	0.26	J	0.89		0.50	U	0.50	U
cis-1,3-Dichloropropene	0.47	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80	5.0	UJ	5.0	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	50	U	50	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	50	U	50	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	50	U	50	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	5.0	U	5.0	U	0.50	U	0.11	J	0.12	J	0.50	U	0.50	U	0.11	J	0.50	U
Toluene	110	1000	5.0	U	5.0	U	1.2		0.20	J	0.23	J	0.38	J	0.10	J	0.12	J	0.12	J
trans-1,2-Dichloroethene	6.8	100	4.2	J	3.7	J	0.50	U	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.47	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**220**		**190**		0.57		0.11	J	0.54		0.23	J	0.49	J	0.50	U	0.50	U
Trichlorofluoromethane (Freon 11)	520	NSV	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	5.0	U	5.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
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Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	**Well C**		**Well C**		**Well C**		**Well D**		**Well D**		**Well D**		**Well D**		**Well D**		**Well D**		**Well D**		
		Field Sample ID	**NP5_WellC_267-297**		**NP5_WellC_298-323**		**NP5_WellC_73-103**		**NP5_WellD_SWL-70**		**NP5_WellD_124-145**		**NP5_WellD_150-171**		**NP5_WellD_174-195**		**NP5_WellD_370-400**		**NP5_WellD_71-92**			
		Sample Name	**C0MA5**		**C0MA9**		**C0MA0**		**C0M84**		**C0M88**		**C0M89**		**C0M90**		**C0M91**		**C0M85**			
		Date Collected	**03/16/2023**		**03/28/2023**		**03/14/2023**		**02/14/2023**		**02/15/2023**		**02/15/2023**		**02/16/2023**		**02/16/2023**		**02/14/2023**			
		Sample Depth (ft bgs)	**267 - 297**		**298 - 323**		**73 - 103**		**0 - 70**		**124 - 145**		**150 - 171**		**174 - 195**		**370 - 999**		**71 - 92**			
		Sample Type	**Field Sample**		**Field Sample**		**Field Sample**		**Field Sample**		**Field Sample**		**Field Sample**		**Field Sample**		**Field Sample**		**Field Sample**			
Analyte Name	**EPA Tap Water RSLs**	**MCLs[4] (µg/L)**	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,4-Trimethylbenzene	5.6	NSV	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,3,5-Trimethylbenzene	6	NSV	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
cis-1,2-Dichloroethene	2.5	70	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Ethyl Benzene	1.5	700	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Isopropylbenzene	45	NSV	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
m-&p-Xylenes	19	NSV	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
o-Xylene	19	NSV	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Styrene	120	100	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	UJ	0.50	U	0.15	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Toluene	110	1000	0.50	UJ	0.50	U	0.13	J	0.63		0.79		0.21	J	0.50	U	0.17	J	0.66			
trans-1,2-Dichloroethene	6.8	100	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Trichloroethene (Trichloroethylene)	0.28	5	0.50	UJ	0.50	U	2.5		0.90		0.61		1.1		1.0		0.36	J	0.32	J		
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well D		Well D		Well D		Well D		Well D		Well D		Well D		Well E		Well E		
		Field Sample ID	NP5_WellD_71-92-2		NP5_WellD_99-120		NP5_WellD_195-230		NP5_WellD_230-265		NP5_WellD_297-332		NP5_WellD_297-332-2		NP5_WellD_335-370		NP5_WellE_15-34		NP5_WellE_36-50		
		Sample Name	C0M86		C0M87		C0M93		C0M94		C0M95		C0M96		C0M97		C0L52		C0L53		
		Date Collected	02/14/2023		02/15/2023		03/06/2023		03/07/2023		03/07/2023		03/07/2023		03/08/2023		01/05/2023		01/05/2023		
		Sample Depth (ft bgs)	71 - 92		99 - 120		195 - 230		230 - 265		297 - 332		297 - 332		335 - 370		15 - 34		36 - 50		
		Sample Type	Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample		
Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	**84**	**J**	**120**	**J**	
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	2.1	J	5.0	U	5.0	U	2500	U	2500	U	
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	54	J	53	J	
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
cis-1,2-Dichloroethene	2.5	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	**560**		**840**		
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
m-&p-Xylenes	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2500	U	2500	U	
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2500	U	2500	U	
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2500	U	2500	U	
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Toluene	110	1000	0.68		0.56		0.37	J	0.54		0.21	J	0.19	J	0.10	J	250	U	250	U	
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	45	J	70	J	
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Trichloroethene (Trichloroethylene)	0.28	5	0.30	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	**5000**		**6700**		
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	250	U	250	U	
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	**40**	**J**	**64**	**J**	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well F		Well F		Well F		Well F		Well F		Well F		Well F		Well F		Well F	
		Field Sample ID	NP5_WellF_118-140		NP5_WellF_143-155		NP5_WellF_153-173		NP5_WellF_171-183		NP5_WellF_185-200		NP5_WellF_185-200-2		NP5_WellF_204-216		NP5_WellF_217-247		NP5_WellF_258-273	
		Sample Name	C0L57		C0L66		C0L60		C0L67		C0L62		C0L63		C0L68		C0L55		C0L64	
		Date Collected	01/12/2023		01/23/2023		01/17/2023		01/23/2023		01/19/2023		01/19/2023		01/23/2023		01/11/2023		01/19/2023	
		Sample Depth (ft bgs)	118 - 140		143 - 155		153 - 173		171 - 183		185 - 200		185 - 200		204 - 216		217 - 247		258 - 273	
		Sample Type	Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample	
Analyte Name	**EPA Tap Water RSLs**	**MCLs[4] (µg/L)**	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	U	0.50	UJ
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	U	0.50	UJ
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	0.15	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.17	J	0.50	U
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.070	J	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	0.61	J	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	1.1		0.74		0.84		0.50	U	0.47	J	0.47	J	0.50	U	0.23	J	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	1.2		0.57		0.60	J-	0.20	J	0.49	J	0.48	J	0.30	J	1.7		0.14	J
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	2.1		3.6		2.6	J-	3.1		2.7		2.7		2.3		3.8		0.86	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
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[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
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R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
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Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

			Location ID	Well F		Well F		Well F		Well F		Well F		Well F		Well G		Well G		Well G	
			Field Sample ID	NP5_WellF_275-290		NP5_WellF_310-330		NP5_WellF_333-350		NP5_WellF_60.5-90.5		NP5_WellF_8.8-57.5		NP5_WellF_94.5-114.5		NP5_WellG_235-265		NP5_WellG_265-295		NP5_WellG_298-311	
			Sample Name	C0L65		C0L61		C0L69		C0L56		C0L54		C0L59		C0L19		C0L20		C0L25	
			Date Collected	01/20/2023		01/17/2023		01/24/2023		01/09/2023		01/06/2023		01/13/2023		11/17/2022		11/17/2022		11/29/2022	
			Sample Depth (ft bgs)	275 - 290		310 - 300		333 - 350		60.5 - 90.5		8.8 - 57.5		94.5 - 114.5		235 - 265		265 - 295		298 - 311	
			Sample Type	Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.26	J	0.96		3.0	
1,1,2,2-Tetrachloroethane	0.076	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV		0.50	UJ	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	UJ	0.50	U	0.11	J	0.53	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7		0.50	U	0.50	U	0.50	U	0.50	U	0.20	J	0.50	U	2.0		3.1		**18**	
1,2,3-Trichlorobenzene	0.7	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV		0.50	UJ	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	UJ	0.50	U	0.16	J	0.79	
Chloroform	0.22	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	2.3	J+
cis-1,2-Dichloroethene	2.5	70		0.50	U	0.50	U	0.50	U	0.36	J	1.6		0.25	J	**82**		**140**		**610**	
cis-1,3-Dichloropropene	0.47	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.11	J	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV		0.50	U	0.10	J	0.50	U	0.060	J	0.10	J	0.13	J	0.14	J	0.13	J	0.12	J
Methyl Acetate	2000	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV		0.50	U	0.50	U	0.50	U	1.0		0.86		0.76		0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.060	J	0.50	U	0.50	U	0.50	U
Styrene	120	100		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5		0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.43	J
Toluene	110	1000		0.28	J	2.2	J-	0.12	J	1.3		2.4		7.5		2.5	J+	2.4	J+	2.6	J+
trans-1,2-Dichloroethene	6.8	100		0.50	U	0.50	U	0.50	U	0.50	U	0.13	J	0.50	U	2.1		4.7		18	
trans-1,3-Dichloropropene	0.47	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5		1.1		3.2	J-	0.22	J	**17**		**26**		**5.1**		**500**		**1200**		**3700**	
Trichlorofluoromethane (Freon 11)	520	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2		0.50	U	0.50	U	0.50	U	0.50	U	0.060	J	0.50	U	**6.1**		**16**		**78**	**J**

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well G		Well G		Well G		Well G		Well G		Well G		Well G		Well G		Well G	
		Field Sample ID	NP5_WellG_312-333.1		NP5_WellG_336-355		NP5_WellG_336-355-2		NP5_WellG_367-387		NP5_WellG_367-387-2		NP5_WellG_424-444		NP5_WellG_445-465		NP5_WellG_473-493		NP5_WellG_473-500	
		Sample Name	C0L26		C0L21		C0L22		C0NX7		C0NX8		C0NX9		C0NY0		C0NY2		C0NY1	
		Date Collected	12/01/2022		11/17/2022		11/17/2022		05/10/2023		05/10/2023		05/10/2023		05/11/2023		05/12/2023		05/11/2023	
		Sample Depth (ft bgs)	312 - 333.1		336 - 355		336 - 355		367 - 387		367 - 387		424 - 444		445 - 465		473 - 493		473 - 500	
		Sample Type	Field Sample		Field Sample		Duplicate		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample		Field Sample	
Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200	0.27	J	0.41	J	0.40	J	2.1		1.9		1.2		1.4		0.97		1.9	
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.51		0.50		0.36	J	0.40	J	0.31	J	0.52	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	1.9		1.9		1.7		**40**	**J**	**48**	**J**	**10**		**14**		**12**		**48**	**J**
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.2	J+	2.8	J+	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.11	J	0.13	J	4.7		4.1		2.4		2.8		2.1		4.1	
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.78	J+	1.6	J+	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.25	J	0.50	U
cis-1,2-Dichloroethene	2.5	70	**92**		**77**		**89**		**800**		**830**		**480**		**580**		**460**		**800**	
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV	0.11	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.39	J	0.37	J	0.18	J	0.20	J	0.17	J	0.31	J
Toluene	110	1000	2.3	J+	1.4	J+	1.6	J+	4.7		4.3		1.9		3.7		3.1		2.2	
trans-1,2-Dichloroethene	6.8	100	2.1		2.1		1.8		29	J	29	J	14		19		16		28	J
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**550**		**580**		**630**		**2700**	**J-**	**2900**	**J-**	**1500**		**1700**		**1600**		**2700**	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**9.9**		**10**		**9.2**		**120**	**J**	**140**		**84**	**J**	**92**	**J**	**74**	**J**	**120**	**J**

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
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CLP = contract laboratory program
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NSV = no screening value available
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RSL = regional screening level
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Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well H		Well H		Well H		Well H		Well H		Well H		Well H		Well H		Well H		Well H		
		Field Sample ID	NP5_WellH_105-136		NP5_WellH_12.4-42		NP5_WellH_12.4-42-2		HP5_WellH_154-174		NP5_WellH_178-190		NP5_WellH_192-223		NP5_WellH_226-255		NP5_WellH_285-310		NP5_WellH_320-345			
		Sample Name	C0L33		C0L27		C0L28		C0L39		C0L31		C0L34		C0L32		C0NY4		C0NY5			
		Date Collected	12/09/2022		12/06/2022		12/06/2022		12/13/2022		12/07/2022		12/09/2022		12/08/2022		05/15/2023		05/16/2023			
		Sample Depth (ft bgs)	105 - 136		12.4 - 42		12.4 - 42		154 - 174		178 - 190		192 - 223		226 - 255		285 - 310		320 - 345			
		Sample Type	Field Sample		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
1,1,1-Trichloroethane	800	200	0.14	J	1.2		1.1		0.50	U	0.50	U	0.50	U	0.50	U	0.14	J	0.50	U		
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethane	2.8	NSV	0.15	J	0.19	J	0.19	J	0.33	J	0.84		0.44	J	0.52		0.45	J	0.68			
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.31	J	1.1		1.0		0.56		2.4		1.3		1.3		1.1		1.8			
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chloroethane	830	NSV	0.50	U	0.58		0.55		0.50	U	0.50	U	0.50	U	0.50	U	0.22	J	0.50	U		
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Chloromethane	19	NSV	1.3	J	1.5	J+	0.50	U	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ	0.50	U	0.50	U		
cis-1,2-Dichloroethene	2.5	70	12		**150**		**150**		5.0		23		12		9.9		26		19			
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
m-&p-Xylenes	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U		
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	UJ	0.50	UJ		
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Toluene	110	1000	0.64		0.50	U	0.50	U	0.49	J	0.29	J	0.21	J	0.39	J	0.86		0.50	U		
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.69		0.62		0.50	U	0.50	U	0.50	U	0.50	U	0.65		0.12	J		
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Trichloroethene (Trichloroethylene)	0.28	5	**80**		**1200**		**1300**		**45**		**210**		**100**		**100**		**230**	**J+**	**190**	**J+**		
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U		
Vinyl chloride	0.019	2	0.50	U	1.3		1.2		0.17	J	0.53		0.50	U	0.50	U	0.53		0.51			

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

			Location ID	Well H		Well H		Well H		Well H		Well H		Well H		Well H		Well H		Well H	
			Field Sample ID	NP5_WellH_375-400		NP5_WellH_405-430		NP5_WellH_433-458		NP5_WellH_44-64		NP5_WellH_44-64-2		NP5_WellH_470-500		NP5_WellH_470-500-FD		NP5_WellH_68-80		NP5_WellH_84-104	
			Sample Name	C0NY6		C0NY7		C0NY8		C0L36		C0L37		C0NY9		C0P00		C0L29		C0L38	
			Date Collected	05/16/2023		05/17/2023		05/17/2023		12/12/2022		12/12/2022		05/18/2023		05/18/2023		12/07/2022		12/12/2022	
			Sample Depth (ft bgs)	375 - 400		405 - 430		433 - 458		44 - 64		44 - 64		470 - 500		470 - 500		60 - 80		84 - 104	
			Sample Type	Field Sample		Field Sample		Field Sample		Field Sample		Duplicate		Field Sample		Duplicate		Field Sample		Field Sample	
	Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	1,1,1-Trichloroethane	800	200	0.21	J	0.21	J	0.28	J	25	U	25	U	0.16	J	0.16	J	10	U	0.18	J
	1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,1-Dichloroethane	2.8	NSV	0.49	J	0.33	J	0.31	J	25	U	25	U	0.25	J	0.28	J	10	U	0.24	J
	1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	1.5		1.2		1.2		25	U	25	U	0.96		0.88		10	U	0.70	
	1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	250	U	250	U	5.0	U	5.0	U	100	U	5.0	U
	Benzene	0.46	5	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	UJ	0.50	U
	Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Chloroethane	830	NSV	0.25	J	0.35	J	0.33	J	25	U	25	U	0.28	J	0.26	J	10	U	0.50	U
	Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.26	J	0.19	J	10	U	0.50	U
	cis-1,2-Dichloroethene	2.5	70	30		58		49		**82**		**84**		38		36		**90**		18	
	cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	m-&p-Xylenes	19	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	250	U	250	U	5.0	U	5.0	U	100	U	5.0	U
	Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	250	U	250	U	5.0	U	5.0	U	100	U	5.0	U
	Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	250	U	250	U	5.0	U	5.0	U	100	U	5.0	U
	Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Methylene Chloride	11	5	0.50	UJ	0.50	UJ	0.50	UJ	25	U	25	U	0.50	UJ	0.50	UJ	10	U	0.50	U
	o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Styrene	120	100	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Toluene	110	1000	0.17	J	0.16	J	0.21	J	25	U	25	U	0.34	J	0.36	J	10	U	0.85	
	trans-1,2-Dichloroethene	6.8	100	0.36	J	0.42	J	0.35	J	25	U	25	U	0.25	J	0.30	J	10	U	0.12	J
	trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Trichloroethene (Trichloroethylene)	0.28	5	**270**	**J+**	**500**	**J+**	**450**	**J+**	**740**		**780**		**320**	**J+**	**300**	**J+**	**730**		**140**	
	Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	25	U	25	U	0.50	U	0.50	U	10	U	0.50	U
	Vinyl chloride	0.019	2	0.73		0.77		0.75		25	U	25	U	0.57		0.61		10	U	0.31	J

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
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RSL = regional screening level
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Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well I		Well I		Well I		Well I		Well I		Well I		Well J	
		Field Sample ID	NP5_WellI_109-121		NP5_WellI_130-142		NP5_WellI_143-159		NP5_WellI_15-75		NP5_WellI_183-205		NP5_WellI_79-107		NP5_WellJ_10.6-80	
		Sample Name	C0L12		C0L13		C0L18		C0L11		C0L14		C0L17		C0L40	
		Date Collected	11/11/2022		11/11/2022		11/15/2022		11/10/2022		11/14/2022		11/15/2022		12/15/2022	
		Sample Depth (ft bgs)	109 - 121		130 - 142		143 - 159		15 - 75		183 - 205		79 - 107		10.6 - 80	
		Sample Type	Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.12	J	0.17	J	0.21	J	0.070	J	0.13	J	0.16	J	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.41	J	0.66	J-	0.65		0.33	J	0.37	J	0.58		0.15	J
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.070	J	0.50	U	0.50	U	0.50	U	0.070	J	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	3.0	J	5.0	U
Benzene	0.46	5	0.070	J	0.50	U	0.070	J	0.50	U	0.080	J	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.38	J
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	**81**		**110**		**100**		40		**110**		26		45	
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.090	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700	0.11	J	0.050	J	0.50	U	0.060	J	0.080	J	0.17	J	0.50	U
Isopropylbenzene	45	NSV	0.070	J	0.50	U	0.50	U	0.060	J	0.050	J	0.13	J	0.50	U
m-&p-Xylenes	19	NSV	0.34	J	0.18	J	0.18	J	0.21	J	0.32	J	0.54		0.16	J
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	1.0	J	5.0	U	5.0	U	5.0	U	5.0	U	**1.5**	**J**	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.10	J	0.50	U	0.50	U	0.50	U	0.50	U	0.26	J	0.50	U
Methylene Chloride	11	5	0.50	UJ	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	U	0.50	U
o-Xylene	19	NSV	0.17	J	0.080	J	0.50	U	0.090	J	0.15	J	0.24	J	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.11	J	0.15	J	0.50	U	0.50	U	0.15	J	0.50	U	0.50	U
Toluene	110	1000	8.1	J+	2.6	J+	3.7	J+	4.3	J+	3.0	J+	16	J+	4.0	
trans-1,2-Dichloroethene	6.8	100	0.44	J	0.62	J-	0.54		0.22	J	0.62	J-	0.18	J	0.34	J
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**140**		**240**		**220**		**92**		**130**		**260**		**60**	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**5.6**		**8.5**		**7.1**		1.9		**8.6**		1.6		**6.2**	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

		Location ID	Well J		Well J		Well J		Well J		Well J		Well J		Well K	
		Field Sample ID	NP5_WellJ_102-124		NP5_WellJ_125-147		NP5_WellJ_150-172		NP5_WellJ_150-172-2		NP5_WellJ_175-205		NP5_WellJ-81-103		NP5_WellK_SWL-110	
		Sample Name	C0L46		C0L47		C0L48		C0L49		C0L44		C0L45		C0P03	
		Date Collected	12/16/2022		12/19/2022		12/20/2022		12/20/2022		12/16/2022		12/16/2022		05/22/2023	
		Sample Depth (ft bgs)	102 - 24		125 - 147		150 - 172		150 - 172		175 - 205		81 - 103		0 - 0	
		Sample Type	Field Sample		Field Sample		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample	
Analyte Name	EPA Tap Water RSLs	MCLs[4] (µg/L)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.34	J	0.38	J	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	1.7	J
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.41	J	0.50		0.32	J	0.31	J	0.32	J	0.28	J	0.50	U
Chloroform	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	53		60		47		49		36		38		0.50	U
cis-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV	0.50	U	0.14	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	2.0		2.5		1.9		1.9		3.5		3.3		0.99	
trans-1,2-Dichloroethene	6.8	100	0.41	J	0.44	J	0.36	J	0.37	J	0.24	J	0.30	J	0.50	U
trans-1,3-Dichloropropene	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**42**		**45**		**100**		**100**		**53**		**28**		1.0	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**9.4**		**11**		**7.1**		**7.1**		**5.1**		**6.3**		0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 2
North Penn 5 OU2
2022-2023 Packer Testing Sample Results

			Location ID	Well K		Well K		Well K		Well K		Well K		Well K	
			Field Sample ID	NP5_WellK_111-136		NP5_WellK_150-175		NP5_WellK_150-175-FD		NP5_WellK_175-200		NP5_WellK_200-225		NP5_WellK_228-255	
			Sample Name	C0P09		C0P04		C0P05		C0P06		C0P07		C0P08	
			Date Collected	05/24/2023		05/23/2023		05/23/2023		05/23/2023		05/24/2023		05/24/2023	
			Sample Depth (ft bgs)	111 - 136		150 - 175		150 - 175		175 - 200		200 - 225		228 - 255	
			Sample Type	Field Sample		Field Sample		Duplicate		Field Sample		Field Sample		Field Sample	
Analyte Name	**EPA Tap Water RSLs**	**MCLs[4] (µg/L)**		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	800	200		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV		2.1	J	1.8	J	2.2	J	1.6	J	2.3	J	2.0	J
Benzene	0.46	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.13	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	3.3	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.22	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.47	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	0.87	80		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethyl Benzene	1.5	700		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes	19	NSV		0.50	U	0.10	J	0.10	J	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000		1.3		2.6		2.5		0.49	J	1.9		1.7	
trans-1,2-Dichloroethene	6.8	100		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.47	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5		1.1		1.5		1.3		0.80		0.84		0.71	
Trichlorofluoromethane (Freon 11)	520	NSV		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dib
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ =
Highlighted values exceed the RSL.
Bold values exceed the MCL.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 3
July 2023 Groundwater Elevations

Well	Top of Casing (ft amsl)	Water Level (ft amsl)	Elevation (ft)
BC-1	--	inaccessible	--
EPA-01S_82-59	295.79	13.09	282.70
EPA-01D_187-210	295.79	12.20	283.59
EPA-02S_30-66	289.52	6.07	283.45
EPA-02D_104-144	289.61	6.20	283.41
EPA-03S_55-95	286.07	4.70	281.37
EPA-03D_137-189	286.14	4.80	281.34
RI-40OB	NA	14.20	--
RI-40_30-75	296.49	11.80	284.69
RI-40_185-205	296.45	12.75	283.70
PowerTest Well 5S	290.38	21.20	269.18
PowerTest Well 5D	290.3	21.28	269.02
RI-6S	--	not located	--
RI-6D	--	not located	--
RI-16D	272.07	13.39	258.68
RI-16I	272.02	14.87	257.15
RI-16S	271.70	14.06	257.64
RI-17D	286.26	8.06	278.20
RI-17S	286.20	6.42	279.78
RI-18D	293.09	7.86	285.23
RI-18S	293.09	7.40	285.69
RI-19D	294.08	5.90	288.18
RI-19S	294.04	5.47	288.57
RI-27D	298.20	16.53	281.67
RI-27I	298.26	15.43	282.83
RI-27S	298.20	15.20	283.00
RI-33D	297.27	13.16	284.11
RI-33S	297.08	13.25	283.83
RI-34I	296.45	12.36	284.09
RI-34S	296.27	11.80	284.47
RI-35D	296.63	10.56	286.07
RI-35I	296.23	10.85	285.38
RI-35S	296.21	12.00	284.21
RI-35DI	296.75	12.80	283.95
RI-35DD	297.19	12.45	284.74
RI-39D	296.85	15.40	281.45
RI-39I	297.00	17.00	280.00
RI-41D	284.09	9.98	274.11
RI-41S	284.22	15.38	268.84
RI-9D	--	inaccessible	--
RI-9S	--	inaccessible	--
W-3	288.21	not located	--
W-4	292.46	8.8	283.66
W-5	--	not located	--
W-6	299.66	9.3	290.36
W-8	289.85	6.26	283.59
RI-17_87-107	286.2	7.34	278.86
RI-17_254-274	286.16	8.45	277.71
RI-17_368-400	286.1	6.70	279.40

Notes:
Water levels were measured on July 31, 2023
ft = feet
-- = data not available
* = TOC elevation obtained from RW-3 from Environmental Alliance, Inc. (May 2018)

Table 3
July 2023 Groundwater Elevations

Well	Top of Casing (ft amsl)	Water Level (ft amsl)	Elevation (ft)
EPA-04_30-40	287.44	18.90	268.54
EPA-04_288-313	287.25	12.58	274.67
EPA-04_355-400	287.46	9.87	277.59
EPA-05_50-70	289.23	10.15	279.08
EPA-05_73-103	289.3	10.30	279.00
EPA-05_150-180	289.37	9.65	279.72
EPA-06_30-70	291.6	10.49	281.11
EPA-06_174-195	291.73	8.29	283.44
RI-39_30-50	297.39	17.03	280.36
EPA-07_30-57.5	293.78	11.19	282.59
EPA-07_204-216	298.31	8.18	290.13
RI-35_290-310	296.3	11.90	284.40
RI-35_367-387	296.28	10.61	285.67
RI-35_480-500	296.28	10.50	285.78
RW-5R_30-50	296.22	13.03	283.19
RW-5R_60-80	296.24	12.84	283.40
RW-5R_175-190	296.26	12.73	283.53
RW-5R_320-345	296.32	12.62	283.70
RW-5R_470-500	296.26	12.16	284.10
EPA-08_30-80	295.66	11.15	284.51
EPA-08_152-172	295.82	11.35	284.47
EPA-09_30-50	291.85	8.52	283.33
EPA-09_150-175	291.88	8.20	283.68
EPA-09_230-250	291.85	9.50	282.35
RW-6S	296.86	8.25	288.61
RW-6I	296.42	7.90	288.52
RW-6D	296.79	3.52	293.27
RW-3S*	314.27	not located	--
RW-3I*	314.27	not located	--
RW-3D*	314.27	not located	--
PW-9B	309.69	19.39	290.30
PW-9A	309.82	19.12	290.70
PW-16A	303.04	13.02	290.02
PW-16B	302.55	12.45	290.10
PW-18A	306.37	16.32	290.05
PW-18B	306.40	16.18	290.22
PW-21A	308.56	17.69	290.87
PW-21B	308.48	17.73	290.75
W-9	297.08	9.22	287.86
RI-15D	Abandoned		
RI-15S			
RI-1D	Abandoned		
RI-1S			

Notes:
Water levels were measured on July 31, 2023
ft = feet
-- = data not available
* = TOC elevation obtained from RW-3 from Environmental Alliance, Inc. (May 2018)

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-01D		EPA-01S		EPA-02D		EPA-02S		EPA-03D	
Field Sample ID			NP5_EPA-01D_187-210_0723		NP5_EPA-01S_59-82_0723		NP5_EPA-02D_104-144_0723		NP5_EPA-02S_30-66_0723		NP5_EPA-03D_137-189_0723	
CLP Sample Number			C0PQ6		C0PR8		C0PP7		C0PP9		C0PP8	
Date Collected			07/19/2023		07/21/2023		07/18/2023		07/18/2023		07/18/2023	
Sample Depth (feet below ground surface)			187 - 210		59 - 82		104 - 144		30 - 66		137 - 189	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.14	J	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.18	J	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.33	J	0.21	J	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.20	J
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	3.1		7.4	J+	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-01D		EPA-01S		EPA-02D		EPA-02S		EPA-03D	
Field Sample ID			NP5_EPA-01D_187-210_0723		NP5_EPA-01S_59-82_0723		NP5_EPA-02D_104-144_0723		NP5_EPA-02S_30-66_0723		NP5_EPA-03D_137-189_0723	
CLP Sample Number			C0PQ6		C0PR8		C0PP7		C0PP9		C0PP8	
Date Collected			07/19/2023		07/21/2023		07/18/2023		07/18/2023		07/18/2023	
Sample Depth (feet below ground surface)			187 - 210		59 - 82		104 - 144		30 - 66		137 - 189	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes [1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	2.2	J+	1.1	U	1.7	J+	1.8	J+	0.81	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**14**		**56**		0.50	U	0.50	U	0.50	U
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.10	J	0.15	J	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the MCL for total trihalomethanes.
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been corrected in the table ID.
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-03S		EPA-04		EPA-04		EPA-04		EPA-05	
Field Sample ID			NP5_EPA-03S_55-95_0723		NP5_EPA-04_30-40_0723*		NP5_EPA-04_288-313_0723		NP5_EPA-04_355-400_0723		NP5_EPA-05_50-70_0723*	
CLP Sample Number			C0PQ1		C0PX9		C0PY0		C0PY3		C0PX1	
Date Collected			07/18/2023		07/28/2023		07/28/2023		07/28/2023		07/26/2023	
Sample Depth (feet below ground surface)			55 - 95		30-40		288 - 313		355 - 400		50-70	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	6.4	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	0.20	J	19	J	17	J+	2.2	J+	5.3	
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-03S		EPA-04		EPA-04		EPA-04		EPA-05	
Field Sample ID			NP5_EPA-03S_55-95_0723		NP5_EPA-04_30-40_0723*		NP5_EPA-04_288-313_0723		NP5_EPA-04_355-400_0723		NP5_EPA-05_50-70_0723*	
CLP Sample Number			C0PQ1		C0PX9		C0PY0		C0PY3		C0PX1	
Date Collected			07/18/2023		07/28/2023		07/28/2023		07/28/2023		07/26/2023	
Sample Depth (feet below ground surface)			55 - 95		30-40		288 - 313		355 - 400		50-70	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	1.4	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	U	1.3		3.0		0.50	U	0.33	J
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	0.14	J	**32**	J	**140**	J	**18**	J	**5.2**	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-05		EPA-05		EPA-06		EPA-06		EPA-07	
Field Sample ID			NP5_EPA-05_73-103_0723		NP5_EPA-05_150-180_0723		NP5_EPA-06_30-70_0723		NP5_EPA-06_174-195_0723		NP5_EPA-07_30-57.5_0723	
CLP Sample Number			C0PX6		C0PX2		C0PW8		C0PW7		C0PT0	
Date Collected			07/27/2023		07/27/2023		07/26/2023		07/26/2023		07/24/2023	
Sample Depth (feet below ground surface)			73 - 103		150 - 180		30 - 70		174 - 195		30 - 57.5	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Acetone	1800	NSV	5.0	U	5.0	U	4.1	J	5.0	U	5.0	R
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
cis-1,2-Dichloroethene	2.5	70	5.6	J+	0.66	J+	0.50	U	0.50	U	0.33	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-05		EPA-05		EPA-06		EPA-06		EPA-07	
Field Sample ID			NP5_EPA-05_73-103_0723		NP5_EPA-05_150-180_0723		NP5_EPA-06_30-70_0723		NP5_EPA-06_174-195_0723		NP5_EPA-07_30-57.5_0723	
CLP Sample Number			C0PX6		C0PX2		C0PW8		C0PW7		C0PT0	
Date Collected			07/27/2023		07/27/2023		07/26/2023		07/26/2023		07/24/2023	
Sample Depth (feet below ground surface)			73 - 103		150 - 180		30 - 70		174 - 195		30 - 57.5	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	R
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	R
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	R
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.14	J	0.50	U	0.55	J
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Methylene Chloride	11	5	0.50	U	0.74	J+	0.50	U	0.50	U	0.50	R
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
trans-1,2-Dichloroethene	6.8	100	0.36	J	0.50	U	0.50	U	0.50	U	0.50	R
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Trichloroethene (Trichloroethylene)	0.28	5	**16**	J+	0.53	J+	0.42	J	0.50	U	**17**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the N
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-07D		EPA-08		EPA-08		EPA-09		EPA-09	
Field Sample ID			NP5_EPA-07D_204-216_0723		NP5_EPA-08_30-80_0723		NP5_EPA-08_152-172_0723		NP5_EPA-09_30-50_0723		NP5_EPA-09_150-175_0723	
CLP Sample Number			C0PS6		C0PW5		C0PT9		C0PR7		C0PS2	
Date Collected			07/24/2023		07/26/2023		07/25/2023		07/20/2023		07/21/2023	
Sample Depth (feet below ground surface)			204-216		30 - 80		152 - 172		30 - 50		150 - 175	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	R	5.0	U	4.2	J	2.6	J	5.0	U
Benzene	0.46	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.10	J	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	R	0.50	U	0.50	U	0.21	J	0.50	U
Carbon Tetrachloride	0.46	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	R	0.73		0.59	J	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.45	J	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	0.50	R	**120**	J	**120**	J	0.50	U	0.080	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-07D		EPA-08		EPA-08		EPA-09		EPA-09	
Field Sample ID			NP5_EPA-07D_204-216_0723		NP5_EPA-08_30-80_0723		NP5_EPA-08_152-172_0723		NP5_EPA-09_30-50_0723		NP5_EPA-09_150-175_0723	
CLP Sample Number			C0PS6		C0PW5		C0PT9		C0PR7		C0PS2	
Date Collected			07/24/2023		07/26/2023		07/25/2023		07/20/2023		07/21/2023	
Sample Depth (feet below ground surface)			204-216		30 - 80		152 - 172		30 - 50		150 - 175	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	R	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	R	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	R	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	R	0.50	U	0.50	U	0.66	U	0.77	U
o-Xylene	19	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	R	0.50	U	0.21	J	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	R	1.2		3.2	J	0.50	U	0.50	U
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	0.50	R	**17**	J	**9.4**	J	0.50	U	0.50	U
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	R	**26**	J	**23**	J	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-09		EPA-09		PowerTestWell-5D		PowerTestWell-5S		ResidentialWell	
Field Sample ID			NP5_EPA-09_230-250_0723		NP5_EPA-09_230-250_0723-FD		NP5_PowerTestWell-5D_0723		NP5_PowerTestWell-5S_0723		NP5-ResidentialWell_0723	
CLP Sample Number			C0PT1		C0PT2		C0PX7		C0PY4		C0Q08	
Date Collected			07/24/2023		07/24/2023		07/27/2023		07/28/2023		07/20/2023	
Sample Depth (feet below ground surface)			230 - 250		230 - 250		63-73		41-51		NA	
Sample Type			Parent Sample		Duplicate Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,1,2-Trichloroethane	0.041	5	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,1-Dichloroethane	2.8	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2,3-Trichlorobenzene	0.7	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2,3-Trichloropropane	0.00075	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2,4-Trichlorobenzene	0.4	70	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2,4-Trimethylbenzene	5.6	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2-Dichlorobenzene	30	600	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2-Dichloroethane	0.17	5	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,2-Dichloropropane	0.82	5	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,3,5-Trimethylbenzene	6	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,3-Dichlorobenzene	NSV	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
1,4-Dichlorobenzene	0.48	75	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Acetone	1800	NSV	5.0	R	5.0	R	5.0	U	5.0	R	5.0	R
Benzene	0.46	5	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Bromochloromethane	8.3	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Bromodichloromethane [3]	0.13	80	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Bromoform [3]	3.3	80	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Bromomethane	0.75	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Carbon disulfide	81	NSV	0.15	J	0.16	J	0.50	U	0.50	R	0.50	R
Carbon Tetrachloride	0.46	5	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Chlorobenzene	7.8	100	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Chloroethane	830	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Chloroform [3]	0.22	80	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Chloromethane	19	NSV	0.19	J	0.50	R	0.50	U	0.50	R	0.50	R
cis-1,2-Dichloroethene	2.5	70	0.50	R	0.50	R	0.50	U	0.50	R	0.50	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Cyclohexane	1300	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Dibromochloromethane [3]	0.87	80	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Dichlorodifluoromethane	20	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			EPA-09		EPA-09		PowerTestWell-5D		PowerTestWell-5S		ResidentialWell	
Field Sample ID			NP5_EPA-09_230-250_0723		NP5_EPA-09_230-250_0723-FD		NP5_PowerTestWell-5D_0723		NP5_PowerTestWell-5S_0723		NP5-ResidentialWell_0723	
CLP Sample Number			C0PT1		C0PT2		C0PX7		C0PY4		C0Q08	
Date Collected			07/24/2023		07/24/2023		07/27/2023		07/28/2023		07/20/2023	
Sample Depth (feet below ground surface)			230 - 250		230 - 250		63-73		41-51		NA	
Sample Type			Parent Sample		Duplicate Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Isopropylbenzene	45	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
m-&p-Xylenes[1]	19	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Methyl Acetate	2000	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Methyl Butyl Ketone	3.8	NSV	5.0	R	5.0	R	5.0	U	5.0	R	5.0	R
Methyl Ethyl Ketone	560	NSV	5.0	R	5.0	R	5.0	U	5.0	R	5.0	R
Methyl Isobutyl Ketone	630	NSV	5.0	R	5.0	R	5.0	U	5.0	R	5.0	R
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Methylcyclohexane	20	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Methylene Chloride	11	5	0.50	R	0.50	R	0.70	J+	0.50	R	0.50	R
o-Xylene	19	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Styrene	120	100	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Toluene	110	1000	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
trans-1,2-Dichloroethene	6.8	100	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Trichloroethene (Trichloroethylene)	0.28	5	0.13	J	0.13	J	0.95	J+	0.50	R	3.9	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R
Vinyl chloride	0.019	2	0.50	R	0.50	R	0.50	U	0.50	R	0.50	R

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-16D		RI-16I		RI-16S		RI-17		RI-17	
Field Sample ID			NP5_RI-16D_0723		NP5_RI-16I_0723		NP5_RI-16S_0723		NP5_RI-17_87-107_0723		NP5_RI-17_254-274_0723	
CLP Sample Number			C0PR0		C0PR3		C0PR6		C0PW2		C0PT6	
Date Collected			07/20/2023		07/20/2023		07/20/2023		07/25/2023		07/25/2023	
Sample Depth (feet below ground surface)			130 - 150		64 - 79		18 - 38		87 - 107		254 - 274	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.11	J	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.080	J	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.22	J	1.6		0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	3.5	J	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.13	J	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.36	J	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.15	J	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.17	J	0.50	U
cis-1,2-Dichloroethene	2.5	70	2.8		30		0.30	J	19	J	4.6	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-16D		RI-16I		RI-16S		RI-17		RI-17	
Field Sample ID			NP5_RI-16D_0723		NP5_RI-16I_0723		NP5_RI-16S_0723		NP5_RI-17_87-107_0723		NP5_RI-17_254-274_0723	
CLP Sample Number			C0PR0		C0PR3		C0PR6		C0PW2		C0PT6	
Date Collected			07/20/2023		07/20/2023		07/20/2023		07/25/2023		07/25/2023	
Sample Depth (feet below ground surface)			130 - 150		64 - 79		18 - 38		87 - 107		254 - 274	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes [1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	1.1	U	1.2	U	1.6	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.16	J	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.23	J	2.7		0.50	U	1.1	J	0.38	J
trans-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**10**		**27**		0.43	J	**36**	J	**21**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	U	0.81		0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-17		RI-17D		RI-17S		RI-18D		RI-18S	
Field Sample ID			NP5_RI-17_368-400_0723		NP5_RI-17D_0723		NP5_RI-17S_0723		NP5_RI-18D_0723		NP5_RI-18S_0723	
CLP Sample Number			C0PW1		C0PW4		C0PT8		C0PQ3		C0PQ7	
Date Collected			07/25/2023		07/26/2023		07/25/2023		07/19/2023		07/19/2023	
Sample Depth (feet below ground surface)			368 - 400		178 - 188		43 - 63		85 - 95		44 - 64	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	**7.2**		0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	4.1	J	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	0.72	J	39	J	4.3	J	0.50	U	1.6	
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-17		RI-17D		RI-17S		RI-18D		RI-18S	
Field Sample ID			NP5_RI-17_368-400_0723		NP5_RI-17D_0723		NP5_RI-17S_0723		NP5_RI-18D_0723		NP5_RI-18S_0723	
CLP Sample Number			C0PW1		C0PW4		C0PT8		C0PQ3		C0PQ7	
Date Collected			07/25/2023		07/26/2023		07/25/2023		07/19/2023		07/19/2023	
Sample Depth (feet below ground surface)			368 - 400		178 - 188		43 - 63		85 - 95		44 - 64	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes [1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.33	J	0.21	J
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	1.2	U	1.7	J+
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	U	4.8		0.39	J	0.50	U	0.15	J
trans-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	2.3	J	**240**	J	3.9	J	0.50	U	**17**	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	U	1.4		0.50	U	0.50	U	0.19	J

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-18S		RI-19D		RI-19S		RI-27D		RI-27I	
Field Sample ID			NP5_RI-18S_0723-FD		NP5_RI-19D_0723		NP5_RI-19S_46-56_0723		NP5_RI-27D_0723		NP5_RI-27I_0723	
CLP Sample Number			C0PQ8		C0PQ2		C0PQ0		C0PR2		C0PX0	
Date Collected			07/19/2023		07/19/2023		07/18/2023		07/20/2023		07/26/2023	
Sample Depth (feet below ground surface)			44 - 64		85 - 95		46 - 56		303 - 308		145 - 155	
Sample Type			Duplicate Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	2.7	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.50	U	0.50	U	**39**	J
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	6.3		5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	1.7		0.50	U	0.50	U	0.50	U	**500**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-18S		RI-19D		RI-19S		RI-27D		RI-27I	
Field Sample ID			NP5_RI-18S_0723-FD		NP5_RI-19D_0723		NP5_RI-19S_46-56_0723		NP5_RI-27D_0723		NP5_RI-27I_0723	
CLP Sample Number			C0PQ8		C0PQ2		C0PQ0		C0PR2		C0PX0	
Date Collected			07/19/2023		07/19/2023		07/18/2023		07/20/2023		07/26/2023	
Sample Depth (feet below ground surface)			44 - 64		85 - 95		46 - 56		303 - 308		145 - 155	
Sample Type			Duplicate Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	2.2		0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.22	J	0.21	J	0.32	J	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	1.5	J+	1.7	J+	1.1	U	0.89	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.30	J	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.090	J	0.50	U	0.50	U	0.50	U	23	J
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**18**		0.50	U	0.50	U	0.50	U	**4000**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.22	J	0.50	U	0.50	U	0.50	U	**6.1**	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-27S		RI-27S		RI-33I		RI-33S		RI-34I	
Field Sample ID			NP5_RI-27S_0723		NP5_RI-27S_0723-FD		NP5_RI-33I_0723		NP5_RI-33S_0723		NP5_RI-34I_0823	
CLP Sample Number			C0PX3		C0PX4		C0PY1		C0PX8		C0Q11	
Date Collected			07/27/2023		07/27/2023		07/28/2023		07/27/2023		08/01/2023	
Sample Depth (feet below ground surface)			40 - 55		40 - 55		90 - 101		33 - 43		94 - 104	
Sample Type			Parent Sample		Duplicate Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	1.1		1.1		0.50	U	2.2		0.40	J
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.24	J	0.23	J	3.0		2.0		0.67	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	5.3		5.3		**70**	J	**300**	J	**29**	J
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.13	J	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	1.9		1.9		0.50	U	25	J	0.61	
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.29	J	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	**230**	J	**220**	J	**600**	J	**4100**	J	**210**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-27S		RI-27S		RI-33I		RI-33S		RI-34I	
Field Sample ID			NP5_RI-27S_0723		NP5_RI-27S_0723-FD		NP5_RI-33I_0723		NP5_RI-33S_0723		NP5_RI-34I_0823	
CLP Sample Number			C0PX3		C0PX4		C0PY1		C0PX8		C0Q11	
Date Collected			07/27/2023		07/27/2023		07/28/2023		07/27/2023		08/01/2023	
Sample Depth (feet below ground surface)			40 - 55		40 - 55		90 - 101		33 - 43		94 - 104	
Sample Type			Parent Sample		Duplicate Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.50	U	0.50	U	0.50	U	0.50	U	5.0	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.27	J	0.29	J	0.50	U	0.23	J	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	4.0		4.0		32	J	**230**	J	15	J+
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**1400**	J	**1300**	J	**7500**	J	**8600**	J	**1500**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**20**	J	**22**	J	**18**	J	**380**	J	**13**	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-34S		RI-35		RI-35		RI-35		RI-35	
Field Sample ID			NP5_RI-34S_0723		NP5_RI-35_290-310_1vol_0823		NP5_RI-35_290-310_2vol_0823		NP5_RI-35_290-310_3vol_0823		NP5_RI-35_367-387_1vol_0823	
CLP Sample Number			C0PR9		C0Q29		C0Q30		C0Q31		C0Q33	
Date Collected			07/21/2023		08/03/2023		08/03/2023		08/03/2023		08/03/2023	
Sample Depth (feet below ground surface)			28 - 38		290 - 310		290 - 310		290 - 310		367 - 387	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.13	J	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.82		1.2		0.50	U	0.50	U	1.3	
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.24	J	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	1.1		0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	**280**	J+	**180**	J	**130**	J	**120**	J	**170**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-34S		RI-35		RI-35		RI-35		RI-35	
Field Sample ID			NP5_RI-34S_0723		NP5_RI-35_290-310_1vol_0823		NP5_RI-35_290-310_2vol_0823		NP5_RI-35_290-310_3vol_0823		NP5_RI-35_367-387_1vol_0823	
CLP Sample Number			C0PR9		C0Q29		C0Q30		C0Q31		C0Q33	
Date Collected			07/21/2023		08/03/2023		08/03/2023		08/03/2023		08/03/2023	
Sample Depth (feet below ground surface)			28 - 38		290 - 310		290 - 310		290 - 310		367 - 387	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes [1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.63	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.24	J	0.50		0.15	J	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	3.7		1.2		1.1		1.1		1.4	
trans-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**7.3**	J+	**200**	J	**210**	J	**220**	J	**180**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**47**		**6.5**		**6.0**		**6.0**		**7.3**	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-35		RI-35		RI-35		RI-35		RI-35	
Field Sample ID			NP5_RI-35_367-387_2vol_0823		NP5_RI-35_367-387_3vol_0823		NP5_RI-35_367-387_3vol_0823-2		NP5_RI-35_480-500_1vol_0823		NP5_RI-35_480-500_2vol_0823	
CLP Sample Number			C0Q60		C0Q66		C0Q67		C0Q62		C0Q65	
Date Collected			08/04/2023		08/04/2023		08/04/2023		08/04/2023		08/04/2023	
Sample Depth (feet below ground surface)			367 - 387		367 - 387		367 - 387		480 - 500		480 - 500	
Sample Type			Parent Sample		Parent Sample		Duplicate		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	1.3		0.50	U	1.3		1.1		0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.70		0.19	J
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.39	J	0.50	U	0.14	J	0.15	J
cis-1,2-Dichloroethene	2.5	70	**160**	J	**160**	J	**150**	J	**240**	J	**140**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-35		RI-35		RI-35		RI-35		RI-35	
Field Sample ID			NP5_RI-35_367-387_2vol_0823		NP5_RI-35_367-387_3vol_0823		NP5_RI-35_367-387_3vol_0823-2		NP5_RI-35_480-500_1vol_0823		NP5_RI-35_480-500_2vol_0823	
CLP Sample Number			C0Q60		C0Q66		C0Q67		C0Q62		C0Q65	
Date Collected			08/04/2023		08/04/2023		08/04/2023		08/04/2023		08/04/2023	
Sample Depth (feet below ground surface)			367 - 387		367 - 387		367 - 387		480 - 500		480 - 500	
Sample Type			Parent Sample		Parent Sample		Duplicate		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.77	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	2.0		0.60	
trans-1,2-Dichloroethene	6.8	100	1.4		1.3		1.5		1.3		0.90	
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**170**	J	**210**	J	**200**	J	**14**		**13**	
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**7.5**		**6.7**		**7.7**		**7.9**		**5.4**	

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-35		RI-35DD		RI-35D		RI-35D		RI-35DI	
Field Sample ID			NP5_RI-35_480-500_3vol_0823		NP5_RI- 35DD_0823		NP5_RI-35D_0823		NP5_RI-35D_0823-FD		NP5_RI- 35DI_0823	
CLP Sample Number			C0Q68		C0Q25		C0Q63		C0Q64		C0Q15	
Date Collected			08/04/2023		08/02/2023		08/03/2023		08/03/2023		08/01/2023	
Sample Depth (feet below ground surface)			480 - 500		230 - 240		61-71		61-71		121 - 141	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Duplicate Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	2.0		2.1		0.23	J
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.74		0.73		0.74		3.9	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	**14**		**180**	J	**160**	J	**25**	J
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.11	J	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.69		1.9		1.9		1.2	
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	25	J	**1500**	J	**620**	J	**880**	J	**1600**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-35		RI-35DD		RI-35D		RI-35D		RI-35DI	
Field Sample ID			NP5_RI-35_480-500_3vol_0823		NP5_RI- 35DD_0823		NP5_RI-35D_0823		NP5_RI-35D_0823-FD		NP5_RI- 35DI_0823	
CLP Sample Number			C0Q68		C0Q25		C0Q63		C0Q64		C0Q15	
Date Collected			08/04/2023		08/02/2023		08/03/2023		08/03/2023		08/01/2023	
Sample Depth (feet below ground surface)			480 - 500		230 - 240		61-71		61-71		121 - 141	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Duplicate Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.51	U	5.0	U	0.50	U	0.54	U	5.0	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.40	J	0.11	J	0.50	U	0.50	U	0.15	J
trans-1,2-Dichloroethene	6.8	100	0.70		13		**130**	J	**120**	J	13	J+
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**11**		**390**	J	**3600**	J	**3700**	J	**6400**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**4.3**		**83**	J	**73**	J	**66**	J	**45**	J

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correcte
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-35DI		RI-35I		RI-35S		RI-38D		RI-38I	
Field Sample ID			NP5_RI- 35DI_0823-2		NP5_RI-35I_0723		NP5_RI-35S_0823		NP5_RI-38D_0723		NP5_RI-38I_0823	
CLP Sample Number			C0Q16		C0Q09		C0Q28		C0PR5		C0Q17	
Date Collected			08/01/2023		07/31/2023		08/03/2023		07/20/2023		08/01/2023	
Sample Depth (feet below ground surface)			121 - 141		40 - 50		30 - 40		321 - 333		104 - 124	
Sample Type			Duplicate Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.23	J	3.1		6.0		0.50	U	1.1	
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	4.0		0.87		1.6		0.50	U	2.0	
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	**25**	J	**74**	J	**120**	J	0.20	J	**200**	J
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	1.2		3.4		0.87		0.50	U	15	
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	**1600**	J	**1500**	J	**7000**	J	4.7		**1900**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-35DI		RI-35I		RI-35S		RI-38D		RI-38I	
Field Sample ID			NP5_RI- 35DI_0823-2		NP5_RI-35I_0723		NP5_RI-35S_0823		NP5_RI-38D_0723		NP5_RI-38I_0823	
CLP Sample Number			C0Q16		C0Q09		C0Q28		C0PR5		C0Q17	
Date Collected			08/01/2023		07/31/2023		08/03/2023		07/20/2023		08/01/2023	
Sample Depth (feet below ground surface)			121 - 141		40 - 50		30 - 40		321 - 333		104 - 124	
Sample Type			Duplicate Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	5.0	U	5.0	U	0.78	U	0.70	U	5.0	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.15	J	0.24	J	0.50	U	0.39	J
Toluene	110	1000	0.15	J	0.50	U	0.29	J	0.17	J	0.11	J
trans-1,2-Dichloroethene	6.8	100	13	J+	64	J	**140**	J	0.26	J	**130**	J
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**6700**	J	**3700**	J	**10000**	J	**5.5**		**8900**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	**44**	J	**86**	J	**780**	J	**4.0**		**130**	J

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-39		RI-39D		RI-39D		RI-39I		RI-40	
Field Sample ID			NP5_RI-39_30-50_0723		NP5_RI-39D_0723		NP5_RI-39D_0723-FD		NP5_RI-39I_0723		NP5_RI-40_185-205_0723	
CLP Sample Number			C0PW0		C0PS3		C0PS4		C0PT7		C0PS8	
Date Collected			07/25/2023		07/21/2023		07/21/2023		07/25/2023		07/24/2023	
Sample Depth (feet below ground surface)			30 - 50		203 - 220		203 - 220		104 - 124		185 - 205	
Sample Type			Parent Sample		Parent Sample		Duplicate Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.47	J	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,1-Dichloroethane	2.8	NSV	0.79	J	0.50	U	0.50	U	0.50	U	0.50	R
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	**16**	J	0.17	J	0.16	J	**9.2**	J	0.50	R
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	2.0	J
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chloroethane	830	NSV	5.8	J	0.50	U	0.50	U	0.50	U	0.50	R
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
cis-1,2-Dichloroethene	2.5	70	**690**	J	1.5	J+	1.5	J+	34	J	33	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-39		RI-39D		RI-39D		RI-39I		RI-40	
Field Sample ID			NP5_RI-39_30-50_0723		NP5_RI-39D_0723		NP5_RI-39D_0723-FD		NP5_RI-39I_0723		NP5_RI-40_185-205_0723	
CLP Sample Number			C0PW0		C0PS3		C0PS4		C0PT7		C0PS8	
Date Collected			07/25/2023		07/21/2023		07/21/2023		07/25/2023		07/24/2023	
Sample Depth (feet below ground surface)			30 - 50		203 - 220		203 - 220		104 - 124		185 - 205	
Sample Type			Parent Sample		Parent Sample		Duplicate Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	R
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	R
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	R
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.15	J	0.50	R
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Methylene Chloride	11	5	0.65	J+	0.73	U	0.98	U	0.50	U	0.51	J
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.92	J	0.50	U	0.50	U	0.50	U	0.50	R
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
trans-1,2-Dichloroethene	6.8	100	99	J	0.17	J	0.17	J	4.3	J	0.23	J
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Trichloroethene (Trichloroethylene)	0.28	5	**5100**	J	3.8		3.7		**310**	J	**13**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	R
Vinyl chloride	0.019	2	**29**	J	1.5		1.5		0.67	J	**2.9**	J

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-40-OB		RI-40S		RI-41D		RI-41S		RW-5R	
Field Sample ID			NP5_RI-40-B_0723		NP5_RI-40S_30-75_0723		NP5_RI- 41D_0723		NP5_RI- 41S_0723		NP5_RW-5R_30- 50_0823	
CLP Sample Number			C0PS9		C0PS1		C0Q10		C0PY8		C0Q26	
Date Collected			07/24/2023		07/21/2023		07/31/2023		07/31/2023		08/03/2023	
Sample Depth (feet below ground surface)			0-16		30 - 75		239 - 259		52 - 72		30 - 50	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	R	0.50	U	0.50	U	0.50	U	1.1	
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	R	0.090	J	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	R	0.37	J	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	3.7	J	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	R	0.50	U	0.22	J	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.56	
Chloroform [3]	0.22	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	0.92	J	**150**	J+	0.66		0.50	U	**180**	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RI-40-OB		RI-40S		RI-41D		RI-41S		RW-5R	
Field Sample ID			NP5_RI-40-B_0723		NP5_RI-40S_30-75_0723		NP5_RI- 41D_0723		NP5_RI- 41S_0723		NP5_RW-5R_30- 50_0823	
CLP Sample Number			C0PS9		C0PS1		C0Q10		C0PY8		C0Q26	
Date Collected			07/24/2023		07/21/2023		07/31/2023		07/31/2023		08/03/2023	
Sample Depth (feet below ground surface)			0-16		30 - 75		239 - 259		52 - 72		30 - 50	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	R	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	R	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	R	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.79	J	1.0	U	5.0	U	5.0	U	5.0	U
o-Xylene	19	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	R	0.20	J	0.50	U	0.50	U	0.13	J
Toluene	110	1000	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	R	0.83		0.50	U	0.50	U	0.52	
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	0.16	J	**61**		1.8		0.38	J	**1000**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	R	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	R	**14**		0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RW-5R		RW-5R		RW-5R		RW-5R		RW-5R		RW-5R	
Field Sample ID			NP5_RW-5R_60-80_0823		NP5_RW- 5R_175- 190_1vol_0823		NP5_RW- 5R_175- 190_2vol_0823		NP5_RW-5R_175-190_3vol_0823		NP5_RW- 5R_320- 345_1vol_0823		NP5_RW- 5R_320- 345_2vol_0823	
CLP Sample Number			C0Q27		C0Q19		C0Q20		C0Q21		C0Q22		C0Q23	
Date Collected			08/03/2023		08/02/2023		08/02/2023		08/02/2023		08/02/2023		08/02/2023	
Sample Depth (feet below ground surface)			60 - 80		175 - 190		175 - 190		175 - 190		320 - 345		320 - 345	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.19	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.50	U	0.75		0.74		0.71		0.50		0.48	J
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	4.3		4.0		3.9		1.7		0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.14	J
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.24	J
cis-1,2-Dichloroethene	2.5	70	13		**86**	J	**76**	J	70	J	32	J	25	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RW-5R		RW-5R		RW-5R		RW-5R		RW-5R		RW-5R	
Field Sample ID			NP5_RW-5R_60-80_0823		NP5_RW- 5R_175- 190_1vol_0823		NP5_RW- 5R_175- 190_2vol_0823		NP5_RW-5R_175-190_3vol_0823		NP5_RW- 5R_320- 345_1vol_0823		NP5_RW- 5R_320- 345_2vol_0823	
CLP Sample Number			C0Q27		C0Q19		C0Q20		C0Q21		C0Q22		C0Q23	
Date Collected			08/03/2023		08/02/2023		08/02/2023		08/02/2023		08/02/2023		08/02/2023	
Sample Depth (feet below ground surface)			60 - 80		175 - 190		175 - 190		175 - 190		320 - 345		320 - 345	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	0.65	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.30	J	0.27	J	0.28	J	0.50	U	0.50	U
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**53**	J	**230**	J	**220**	J	**210**	J	**45**	J	**47**	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RW-5R		RW-5R		RW-5R		RW-5R		RW-6D		RW-6I	
Field Sample ID			NP5_RW-5R_320-345_3vol_0823		NP5_RW-5R_470-500_1vol_0823		NP5_RW-5R_470-500_2vol_0823		NP5_RW-5R_470-500_3vol_0823		NP5_RW-6D_0723		NP5_RW-6I_0723	
CLP Sample Number			C0Q24		C0Q32		C0Q59		C0Q61		C0PR1		C0PQ9	
Date Collected			08/02/2023		08/03/2023		08/03/2023		08/04/2023		07/20/2023		07/19/2023	
Sample Depth (feet below ground surface)			320 - 345		470 - 500		470 - 500		470 - 500		150 - 300		50 - 150	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs [4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	2.8	NSV	0.48	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	30	600	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.17	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.82	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	1800	NSV	5.0	U	5.0	U	5.0	U	5.0	U	2.6	J	5.2	U
Benzene	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	8.3	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform [3]	3.3	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.75	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	81	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.46	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	7.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	830	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform [3]	0.22	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	2.5	70	22	J	3.6		3.9		3.9		0.50	U	0.50	U
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	1300	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RW-5R		RW-5R		RW-5R		RW-5R		RW-6D		RW-6I	
Field Sample ID			NP5_RW-5R_320-345_3vol_0823		NP5_RW-5R_470-500_1vol_0823		NP5_RW-5R_470-500_2vol_0823		NP5_RW-5R_470-500_3vol_0823		NP5_RW-6D_0723		NP5_RW-6I_0723	
CLP Sample Number			C0Q24		C0Q32		C0Q59		C0Q61		C0PR1		C0PQ9	
Date Collected			08/02/2023		08/03/2023		08/03/2023		08/04/2023		07/20/2023		07/19/2023	
Sample Depth (feet below ground surface)			320 - 345		470 - 500		470 - 500		470 - 500		150 - 300		50 - 150	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	45	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	2000	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.21	J
Methylcyclohexane	20	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	11	5	5.0	U	0.72	U	0.51	U	0.50	U	0.71	U	0.51	U
o-Xylene	19	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	120	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	110	1000	0.50	U	0.50	U	0.50	U	0.50	U	0.12	J	0.50	U
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene (Trichloroethylene)	0.28	5	**49**	J	**15**		**15**		**15**		0.50	U	0.50	U
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.019	2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RW-6S		W-4		W-6		W-8		W-8		W-9	
Field Sample ID			NP5_RW-6S_0723		NP5_W-4_0723		NP5_W-6_0723		NP5_W-8_0823		NP5_W-8_0823-2		NP5_W-9_0723	
CLP Sample Number			C0PQ4		C0PT3		C0PQ5		C0Q12		C0Q13		C0PS7	
Date Collected			07/19/2023		07/24/2023		07/19/2023		08/01/2023		08/01/2023		07/24/2023	
Sample Depth (feet below ground surface)			20 - 50		16 - 33		10 - 36		15 - 33		15 - 33		13 - 45	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Duplicate Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
1,1,1-Trichloroethane	800	200	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2,2-Tetrachloroethane	0.076	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1000	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2-Trichloroethane	0.041	5	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,1-Dichloroethane	2.8	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,1-Dichloroethene (1,1-Dichloroethylene)	28	7	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2,3-Trichlorobenzene	0.7	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2,3-Trichloropropane	0.00075	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2,4-Trichlorobenzene	0.4	70	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2,4-Trimethylbenzene	5.6	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dibromo-3-Chloropropane (DBCP)	0.00033	0.2	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dibromoethane (EDB)	0.0075	0.05	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichlorobenzene	30	600	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichloroethane	0.17	5	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,2-Dichloropropane	0.82	5	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,3,5-Trimethylbenzene	6	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,3-Dichlorobenzene	NSV	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
1,4-Dichlorobenzene	0.48	75	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Acetone	1800	NSV	5.0	U	5.0	R	5.0	U	5.0	U	5.0	U	5.0	R
Benzene	0.46	5	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Bromochloromethane	8.3	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Bromodichloromethane [3]	0.13	80	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Bromoform [3]	3.3	80	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Bromomethane	0.75	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Carbon disulfide	81	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Carbon Tetrachloride	0.46	5	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Chlorobenzene	7.8	100	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Chloroethane	830	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Chloroform [3]	0.22	80	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Chloromethane	19	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
cis-1,2-Dichloroethene	2.5	70	0.50	U	8.7	J	0.50	U	0.50	U	0.50	U	0.12	J
cis-1,3-Dichloropropene [2]	0.47	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Cyclohexane	1300	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Dibromochloromethane [3]	0.87	80	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Dichlorodifluoromethane	20	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R

Table 4
North Penn 5 OU2
2023 Groundwater Sample Results

Location ID			RW-6S		W-4		W-6		W-8		W-8		W-9	
Field Sample ID			NP5_RW-6S_0723		NP5_W-4_0723		NP5_W-6_0723		NP5_W-8_0823		NP5_W-8_0823-2		NP5_W-9_0723	
CLP Sample Number			C0PQ4		C0PT3		C0PQ5		C0Q12		C0Q13		C0PS7	
Date Collected			07/19/2023		07/24/2023		07/19/2023		08/01/2023		08/01/2023		07/24/2023	
Sample Depth (feet below ground surface)			20 - 50		16 - 33		10 - 36		15 - 33		15 - 33		13 - 45	
Sample Type			Parent Sample		Parent Sample		Parent Sample		Parent Sample		Duplicate Sample		Parent Sample	
Analyte Name	EPA Tap Water RSLs [4] (µg/L)	MCLs[4] (µg/L)	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier	Result (µg/L)	Qualifier
Ethyl Benzene	1.5	700	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Isopropylbenzene	45	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
m-&p-Xylenes[1]	19	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Methyl Acetate	2000	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Methyl Butyl Ketone	3.8	NSV	5.0	U	5.0	R	5.0	U	5.0	U	5.0	U	5.0	R
Methyl Ethyl Ketone	560	NSV	5.0	U	5.0	R	5.0	U	5.0	U	5.0	U	5.0	R
Methyl Isobutyl Ketone	630	NSV	5.0	U	5.0	R	5.0	U	5.0	U	5.0	U	5.0	R
Methyl T-Butyl Ether (MTBE)	14	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Methylcyclohexane	20	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Methylene Chloride	11	5	1.8	J+	0.50	R	1.2	U	5.0	U	5.0	U	0.50	J
o-Xylene	19	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Styrene	120	100	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Tetrachloroethene (Tetrachloroethylene)	4.1	5	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Toluene	110	1000	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
trans-1,2-Dichloroethene	6.8	100	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
trans-1,3-Dichloropropene[2]	0.47	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Trichloroethene (Trichloroethylene)	0.28	5	0.50	U	**7.4**	J	0.14	J	1.7	J+	1.0	J+	1.1	J
Trichlorofluoromethane (Freon 11)	520	NSV	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R
Vinyl chloride	0.019	2	0.50	U	0.50	R	0.50	U	0.50	U	0.50	U	0.50	R

Notes
[1] The RSL for m-Xylene is used as a surrogate for m-&p-xylenes.
[2] The RSL for 1,3-dichloropropene is used as a surrogate for cis-1,3-dichloropropene and trans-1,3-dichloropropene.
[3] In accordance with the EPA RSL User Guide, bromodichloromethane, bromoform, dibromochloromethane and chloroform use the M
[4] EPA Tapwater RSL and MCL, November, 2023 (cancer risk = 1E-06; non-cancer HQ = 0.1).
Highlighted values exceed the RSL.
Bold values exceed the MCL.
* EPA-05_50-70 and EPA-04_30-40 were recorded incorrectly in the field.
The interval for EPA-05 was recorded as 30-50 and the interval at EPA-04 was recorded as 30-50. The intervals have been correctec
U = Analyte not detected above quantitation or detection limit.
J = Analyte was positively identifed, but associated numerical value is estimated.
J+ = Analyte was positively identifed, but associated numerical value is estimated and may be biased high.
CLP = contract laboratory program
NA = not available
R = The result is unuseable and therefore rejected.
ug/L = micrograms per liter
NSV = no screening value available
MCL = maximum contaminant level
RSL = regional screening level
EPA = United States Environmental Protection Agency

ATTACHMENT 1

BOREHOLE LOGS

HydroGeoLogic, Inc

Borehole ID: A

Corresponding Well ID: RI-17 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 12-Oct-22 / 11:15	**Date / Time TD Reached:** 12-Oct-22 / 19:40
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 405 (ft-bgs)
Well Depth TBD		**Water Level (bgs):**	
Screen: Dia. Length: (ft) Type/Size:		first: 25 (ft-bgs) final: 22 ft (ft-bgs)	
Casing: Dia. Length: (ft) Type/Size:			
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	PID (ppm)	Remarks
0	Reddish clay soil.Medium plasticity; dry.	CL	0.0	fast drilling rates (110 ft/hr)
18	Sandy Shale. weathered; red-brown; dry.	SH	0.0	moderate drilling rates (100 ft/hr) water first encountered @25 ft.
26	Shale. competent; reddish; wet.		0.0	moderate drilling rates (100 ft/hr)
50	Sandy Shale. competent; reddish; wet.		0.0	Fractures 50 to 55 ft - very little water
72	Shale. competent; reddish; wet.		0.0	
76	Sandy Shale. Red-brown.		0.0	hard. slow drilling rates (90 ft/hr)
108	Shale.Red-brown.		0.0	moderate drilling rates (100 ft/hr)
143	Shale/Siltstone. brown		0.0	Fractures 130 to 138 ft - very little water fast drilling rates (110 ft/hr)
155	Sandy Shale. Black Brown.		0.0	hard. slow drilling rates (90 ft/hr)
165	Shale/Siltstone. brown		0.0	
179	Sandy Shale. Red-brown.		0.0	moderate drilling rates (100 ft/hr)
201	Shale/Mudstones. Red-brown		0.0	fast drilling rates (110 ft/hr)
255	Siltstone. light grey.	SS	0.0	hard. slow drilling rates (90 ft/hr)
295	Shale. Reddish-brown.	SH	0.0	
308	Sandy Shale. Reddish-brown.		0.0	
334	Shale. Reddish-brown.		0.0	Large water producing fracture zone 344-348
368	Sandy Shale. light grey.		0.0	
372	Shale. Reddish-brown. Trace calcite	SH	0.0	hard. slow drilling rates (90 ft/hr)
378	Sandy Shale. Reddish-brown.		0.0	fast drilling rates (110 ft/hr)
386	Sandy Shale. Dark grey.		0.0	moderate drilling rates (100 ft/hr)
391	Sandy Shale. light grey.		0.0	moderate drilling rates (100 ft/hr)
398	Siltstone. light grey.		0.0	fast drilling rates (110 ft/hr)
405	Bottom of Boring			45,000 gallons water removed during initial development

HydroGeoLogic, Inc

Borehole ID: Borehole B

Corresponding Well ID: EPA-04 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 13-Oct-22 / 14:05	**Date / Time TD Reached:** 17-Oct-22 / 11:52
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 405 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 26 (ft-bgs) final: 22 (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
15		Shale. weathered; Red brown; dry.	SH				0.0		moderate drilling rates (100 ft/hr)
36		Sandy Shale. competent;Red brown; dry.					0.0		water first encountered @26 ft. moderate drilling rates (100 ft/hr)
52		Sandy Shale. competent; Red brown; wet.					0.0		
77		Siltstone. light grey to buff. Trace calcite.	SS				0.0		Fractures 85 to 90 - significant water
112		Sandy Shale. competent; reddish; wet.	SH				0.0		hard. slow drilling rates (90 ft/hr)
131		Shale. competent; reddish; wet.					0.0		fast drilling rates (110 ft/hr)
138		Sandy Shale. Red-brown.					0.0		moderate drilling rates (100 ft/hr)
149		Shale. Red-brown.					0.0		
155		Sandy Shale. reddish;					0.0		Fractures 170 to 173 - significant water
176		Shale. Red brown.					0.0		moderate drilling rates (100 ft/hr)
202		Siltstone. light grey.	SS				0.0		hard. slow drilling rates (90 ft/hr)
226		Siltstone. brown.					0.0		
252		Shale. grey.	SH				0.0		
275		Sandy Shale. grey.					0.0		moderate drilling rates (100 ft/hr)
305		Shale.Red brown.					0.0		
355		Shale. light grey.					0.0		
405		Bottom of Boring							85,000 gallons water removed during initial development

HydroGeoLogic, Inc

Borehole ID: C

Corresponding Well ID: EPA-05 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 3-Nov-22 / 9:45	**Date / Time TD Reached:** 3-Nov-22 / 16:10
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 405 (ft-bgs)
Well Depth TBD		**Water Level (bgs):**	
Screen: Dia. Length: (ft) Type/Size:		first: 22 (ft-bgs) final: 20 (ft-bgs)	
Casing: Dia. Length: (ft) Type/Size:			
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	PID (ppm)	Remarks
0	Reddish clay soil.Medium plasticity; dry.	CL	0.0	fast drilling rates (110 ft/hr)
22	Sandy Shale. weathered; red-brown; dry.	SH	0.0	moderate drilling rates (100 ft/hr) water first encountered @22 ft.
23	Shale. competent; reddish;		0.0	moderate drilling rates (100 ft/hr)
42	Sandy Shale. competent; reddish;		0.0	
63	Shale. competent; reddish;		0.0	
72	Siltstone. reddish.	SS	0.0	hard. slow drilling rates (90 ft/hr)
98	Siltstone. light grey.		0.0	moderate drilling rates (100 ft/hr)
133	Shale/Siltstone. brown	SH	0.0	fast drilling rates (110 ft/hr)
155	Sandy Shale. Black Brown.		0.0	hard. slow drilling rates (90 ft/hr)
165	Shale/Siltstone. brown		0.0	Fractures 160 to 165 ft - significant water
179	Shale/Mudstones. Red-brown		0.0	moderate drilling rates (100 ft/hr)
201	Shale/Mudstones. Red-brown		0.0	fast drilling rates (110 ft/hr)
255	Shale/Mudstones. Red-brown		0.0	hard. slow drilling rates (90 ft/hr)
295	Shale. Reddish-brown.		0.0	
308	Sandy Shale. Reddish-brown.		0.0	
334	Shale. Reddish-brown. Trace calcite		0.0	Large water producing fracture zone 370-405
370	Sandy Shale. Reddish-brown.	SH	0.0	hard. slow drilling rates (90 ft/hr)
372	Shale. Reddish-brown.		0.0	
378	Sandy Shale. Reddish-brown.		0.0	slow drilling rates due to water production (70 ft/hr)
386	Sandy Shale. Dark grey.		0.0	
391	Sandy Shale. light grey.		0.0	slow drilling rates due to water production (70 ft/hr)
398	Sandy Shale. Reddish-brown.		0.0	
405	Bottom of Boring			17,000 gallons water removed during inital development

HydroGeoLogic, Inc

Borehole ID: D

Corresponding Well ID: EPA-06 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 1-Nov-22 / 9:30	**Date / Time TD Reached:** 1-Nov-22 / 16:45
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 405 (ft-bgs)
Well Depth TBD		**Water Level (bgs):**	
Screen: Dia. Length: (ft) Type/Size:		first: 22 (ft-bgs) final: 26 (ft-bgs)	
Casing: Dia. Length: (ft) Type/Size:			
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	PID (ppm)	Remarks
0	Reddish clay soil.Medium plasticity; dry.	CL	0.0	fast drilling rates (110 ft/hr)
12	Sandy Shale. weathered; red-brown; dry.	SH	0.0	moderate drilling rates (100 ft/hr) water first encountered @22 ft.
24	Shale. competent; reddish; wet.		0.0	moderate drilling rates (100 ft/hr)
65	Sandy Shale. competent; reddish; wet.		0.0	Fractures 68 to 72 ft - some water
71	Shale. competent; reddish; wet.		0.0	
85	Shale. grey.		0.0	hard. slow drilling rates (90 ft/hr)
115	Sandy Shale. grey.		0.0	moderate drilling rates (100 ft/hr)
143	Shale.Red brown. - Trace calcilte		0.0	Fractures146 to 155 ft - some water fast drilling rates (110 ft/hr)
156	Shale. light grey.		0.0	hard. slow drilling rates (90 ft/hr)
173	Shale/Siltstone. Red-brown		0.0	
181	Sandy Shale. Red-brown.		0.0	moderate drilling rates (100 ft/hr)
208	Shale/Mudstones. Red-brown		0.0	fast drilling rates (110 ft/hr)
252	Siltstone. light grey.	SS	0.0	Fractures 248 to 253 ft - significant water hard. slow drilling rates (90 ft/hr)
292	Shale. Reddish-brown.	SH	0.0	
315	Sandy Shale. Reddish-brown.		0.0	slow drilling rates due to water production (70 ft/hr)
323	Shale. Reddish-brown.		0.0	Fractures 323 to 333 ft - significant water
368	Sandy Shale. light grey.	SH	0.0	slow drilling rates due to water production (70 ft/hr)
405	Bottom of Boring			26,000 gallons water removed during initial development

HydroGeoLogic, Inc

Borehole ID: Borehole E

Corresponding Well ID: RI-39 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 3-Oct-22 / 16:55	**Date / Time TD Reached:** 3-Oct-22 / 17:55
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 55 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 23 (ft-bgs) final: 28 (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
							0.0		
19		Shale. weathered; Red brown; dry.	SH				0.0		moderate drilling rates (100 ft/hr)
26		Sandy Shale. Red-brown. Wet.					0.0		water first encountered @23 ft. moderate drilling rates (100 ft/hr)
32		Shale. Red-brown.					0.0		moderate drilling rates (100 ft/hr)
48		Sandy Shale. reddish;					0.0		
55		Bottom of Boring							100 gallons water removed during initial development. Very little water encountered.

HGL HydroGeoLogic, Inc

Borehole ID: F

Corresponding Well ID: EPA-07 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 3-Oct-22 / 11:40	**Date / Time TD Reached:** 3-Oct-22 / 13:51
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 355 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 24 (ft-bgs) final: 32 (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
14		Shale. weathered; red-brown; dry.					0.0		moderate drilling rates (100 ft/hr) water first encountered @24 ft.
23		Shale. competent; reddish; wet.					0.0		moderate drilling rates (100 ft/hr)
68		Sandy Shale. competent; reddish; wet.					0.0		fast drilling rates (110 ft/hr)
78		Shale. competent; reddish; wet.					0.0		fast drilling rates (110 ft/hr)
98		Sandy Shale. competent; reddish; wet.					0.0		slow drilling rates (90 ft/hr)
115		Sandy Shale. competent; reddish; wet.	SH				0.0		moderate drilling rates (100 ft/hr) slow drilling rates (90 ft/hr)
143		Shale.Red brown.					0.0		fast drilling rates (110 ft/hr)
156		Shale. light grey.					0.0		hard. slow drilling rates (90 ft/hr)
173		Shale/Siltstone. Red-brown					0.0		Fractures160 to 168 ft - significant water
181		Sandy Shale. Red-brown.					0.0		moderate drilling rates (100 ft/hr) slow drilling rates (90 ft/hr)
248		Shale/Mudstones. Red-brown					0.0		fast drilling rates (110 ft/hr)
262		Siltstone. light grey. Trace calcite.	SS				0.0		hard. slow drilling rates (90 ft/hr)
282		Sandy Shale. Reddish-brown.					0.0		slow drilling rates (90 ft/hr)
325		Sandy Shale. Reddish-brown.	SH				0.0		slow drilling rates due to water production (70 ft/hr)
333		Shale. Reddish-brown.					0.0		
344		Sandy Shale. Reddish-brown.	SH				0.0		slow drilling rates due to water production (70 ft/hr)
355		Bottom of Boring							24,000 gallons water removed during initial development

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Borehole ID: G

Corresponding Well ID: RI-35 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 4-Oct-22 / 12:04	**Date / Time TD Reached:** 4-Oct-22 / 15:00
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 355 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 28 (ft-bgs) final: 21 (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
							0.1		
12		Shale. weathered; Red brown; dry.	SH				0.0		moderate drilling rates (100 ft/hr) water first encountered @28 ft.
35		Sandy Shale. competent;Red brown; dry.					0.3		moderate drilling rates (100 ft/hr)
48		Sandy Shale. competent; Red brown; wet.					0.0		
98		Siltstone. light grey to buff. Trace calcite.	SS				0.1		
122		Sandy Shale.Red brown.	SH						hard. slow drilling rates (90 ft/hr)
							0.0		Fractures @130 to 134 ft
159		Shale/Siltstone. light brown.							fast drilling rates (110 ft/hr)
185		Sandy Shale. Red brown. Trace calcite.					0.0		moderate drilling rates (100 ft/hr)
205		Shale.Red brown.					0.2		
							0.0		hard. slow drilling rates (90 ft/hr)
236		Shale. blue-grey.					0.0		
253		Shale. Red brown.					0.0		moderate drilling rates (100 ft/hr)
275		Siltstone. light grey.	SS						hard. slow drilling rates (90 ft/hr)
295		Siltstone. brown.					0.0		Fractures @ 300 to 303 ft
304		Shale. grey.	SH				0.0		
329		Sandy Shale. grey.					0.0		moderate drilling rates (100 ft/hr)
333		Shale.Red brown.					0.0		
348		Shale. light grey.					0.0		
355		Bottom of Boring - first phase							15000 gallons water removed during initial development.

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Borehole ID: Extended G

Corresponding Well ID: RI-35 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 6-Mar-23 / 13:30	**Date / Time TD Reached:** 6-Mar-23 / 16:10
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** Ethan Prout, P.G.	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 505 (ft)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: (ft) final: (ft)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
355		grey siltstone	SS				0.0		
							0.0		
360		red shale	SH				0.0		365'-370' good fracture, fast drilling and fast rod drop
385		gray/red siltstone	SS				0.0		
400		gray siltstone with trace calcite					0.0		
410		red shale with trace calcite	SH				0.0		
430		gray/red shale					0.0		very fissile rock from 430' through 440'
435		red/brown siltstone	SS						approximately 435' is a strong water bearing fracture red/brown zone possibly strong water bearing fracture?
440		gray shale	SH				0.0		
460		gray shale with trace calcite					0.0		
465		gray shale with trace calcite @480					0.0		
480							0.0		
505		Bottom of borehole							26,000 gallons water removed during initial development

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Borehole ID: H1 (New Shallow H; 15 feet to north/northwest of original H)

Corresponding Well ID: RW-5R Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab / Dylan McDermott	**Date / Time Drilling Started:** 9-Mar-23 / 10:30	**Date / Time TD Reached:** 10-Mar-23 / 11:00
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** Ethan Prout, PG	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 85 (ft)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: N/A (ft)	final: N/A (ft)
Ground Surface Elevation (ft msl):	**Northing:**	**Easting:**	

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.					0.0		
10		Shale. weathered; Red brown; dry.					0.0		
15		Shale. weathered; Red brown; dry.					0.0		
18		Sandy Shale. weathered; red brown; wet.					0.0		
20		Shale. weathered; Red brown; wet.					0.0		
21		Sandy Shale. Weathered. Brown Gray.					0.0		
23		Shale. Competent. Brown Gray.							casing set @ 25'
30		Brown shale					0.0		groundwater NOT encountered during first 25' feet of drilling and casing set. Groundwater in borehole during drilling of final 60' on 3/10/23.
45		Gray shale					0.0		25'-30' fast drilling/possible good fracture
50		Gray shale with trace calcite					0.0		41'-45' fast drilling/possible good fracture
55							0.0		
70		Gray shale (trace calcite at bottom of borehole)							fast drilling @ 70'
85		Bottom of Boring					0.0		82'-85' fast drilling/possible good fracture

Borehole ID: H

Corresponding Well ID: RW-5R Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 29-Sep-22 / 23:00	**Date / Time TD Reached:** 29-Sep-22 / 14:30
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 255 (ft)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 22 (ft) final: 17.5 (ft)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
10		Shale. weathered; Red brown; dry.	SH				0.0		fast drilling rates (110 ft/hr)
15		Shale. weathered; Red brown; dry.					0.0		
18		Sandy Shale. weathered; red brown; wet.					0.0		water first encountered @29 ft. fast drilling rates (120 ft/hr)
20		Shale. weathered; Red brown; wet.					0.0		fast drilling rates (120 ft/hr)
21		Sandy Shale. Weathered. Brown Grey.					0.0		hard. slow drilling rates (90 ft/hr)
23		Shale. Competent. Brown Grey.					0.0		hard. slow drilling rates (90 ft/hr)
30		Sandy Shale. Brown Black.					0.0		hard. slow drilling rates (90 ft/hr) Fractures @ 30 to 40 ft
35		Shale/Siltone. Brown. Trace calcite.					0.0		hard. slow drilling rates (90 ft/hr)
42		Sandy Shale. Brown Grey.					0.0		moderate drilling rates (100 ft/hr)
55							0.0		Fracture @ 60 ft
61		Shale/Mudstone. Brown							fast drilling rates (110 ft/hr)
95		Grey Shale.					0.0		Fracture @ 95 ft - water producing moderate drilling rates (100 ft/hr)
105		Shale. Red brown. Soft.					0.0		fast drilling rates (110 ft/hr) Fractures @ 110 to 125
124		Sandy Shale. Black.					0.0		moderate drilling rates (100 ft/hr) Fractures @ 157 to 166
175		Shale. Red brown.					0.0		Fractures @ 180 to 185 ft
202		Siltstone. light grey.	SS				0.0		hard. slow drilling rates (90 ft/hr) drill stem is rattleing
255		Bottom of Boring - Phase 1							

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Borehole ID: Extended H

Corresponding Well ID: RW-5R Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 7-Mar-23 / 13:00	**Date / Time TD Reached:** 8-Mar-23 / 15:00
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** Ethan Prout, P.G.	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 505' (ft)
Well Depth N/A			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: N/A (ft)	final: N/A (ft)
Ground Surface Elevation (ft msl): N/A		**Northing:** N/A	**Easting:** N/A

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
255		gray siltstone with trace calcite	SS				0.0		
							0.0		
260		gray siltstone					0.0		
280		brown/gray shale	SH				0.0		
290		brown/gray shale with trace calcite					0.0		
315		gray shale with trace calcite					0.0		
325		brown and gray shale					0.0		
340		brown shale with trace calcite					0.0		
345		brown and gray shale					0.0		
375		brown and gray shale with trace calcite					0.0		
380		brown shale					0.0		
390		brown shale with trace calcite					0.0		
							0.0		430'-435' -fast drilling water yield increased dramatically above 25' rod and this rod extremely fast drilling
							0.0		450' zone - extremely fast drilling
480		brown shale					0.0		485' noted faster drilling again very small green rock pieces (possible calcite or interbed?)
495		brown/gray shale with trace calcite at borehole bottom					0.0		
505		Bottom of Boring							

HydroGeoLogic, Inc

Borehole ID: I

Corresponding Well ID: RI-40 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 30-Sep-22 / 11:19	**Date / Time TD Reached:** 30-Sep-22 / 12:51
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 205 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 23 (ft-bgs) final: 28 ft (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (120 ft/hr)
18		Sandy Shale. weathered; red-brown; dry.					0.0		moderate drilling rates (100 ft/hr) water first encountered @23 ft.
26		Shale. competent; reddish; wet.					0.0		moderate drilling rates (100 ft/hr)
35		Shale. Red brown. Soft.					0.0		hard. slow drilling rates (90 ft/hr)
42		Sandy Shale. Black.					0.0		
76		Shale. Red brown.					0.0		hard. slow drilling rates (90 ft/hr)
108		Shale.Red-brown.	SH				0.0		moderate drilling rates (100 ft/hr) Fractures 110 to 118 ft - very little water
118		Shale/Siltstone. brown					0.0		fast drilling rates (110 ft/hr)
125		Sandy Shale. Black.					0.0		hard. slow drilling rates (90 ft/hr)
133		Shale/Siltstone. brown					0.0		
139		Sandy Shale. Red-brown.					0.0		moderate drilling rates (100 ft/hr)
141		Shale/Mudstones. Red-brown							fast drilling rates (110 ft/hr)
149		Sandy Shale.Reddish-brown	SH				0.0		
155		Sandy Shale. light grey.					0.0		fast drilling rates (110 ft/hr)
166		Shale. Reddish-brown.					0.0		fast drilling rates (110 ft/hr)
175		Sandy Shale.Reddish-brown					0.0		fast drilling rates (110 ft/hr)
178		Shale. Dark grey.	SH				0.0		Fractures 190 to 195 ft - very little water
185		Sandy Shale.Reddish-brown					0.0		moderate drilling rates (100 ft/hr)
196		Sandy Shale. light grey.							
205		Bottom of Boring							500 gallons water removed during initial development

HydroGeoLogic, Inc

Borehole ID: J

Corresponding Well ID: EPA-08 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 29-Sep-22 / 14:25	**Date / Time TD Reached:** 29-Sep-22 / 17:45
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 205 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 26 (ft-bgs) final: 31 ft (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0	Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
15	Sandy Shale. weathered; red-brown; dry.	SH				0.0		moderate drilling rates (90 ft/hr) water first encountered @26 ft.
31	Shale/Siltstone. brown					0.0		moderate drilling rates (100 ft/hr)
38	Sandy Shale. Red-brown.					0.0		hard. slow drilling rates (80 ft/hr)
51	Sandy Shale. Brown.					0.0		
66	Shale. Red brown.					0.0		hard. slow drilling rates (90 ft/hr)
98	Shale.Red-brown.					0.0		
108	Sandy Shale. brown					0.0		fast drilling rates (110 ft/hr)
122	Sandy Shale. Black.					0.0		moderate drilling rates (100 ft/hr)
128	Shale/Siltstone. brown					0.0		
131	Sandy Shale. Red-brown.					0.0		moderate drilling rates (100 ft/hr)
146	Shale/Mudstones. Red-brown							fast drilling rates (110 ft/hr)
151	Sandy Shale.Reddish-brown	SH				0.0		
160	Sandy Shale.Reddish-brown							moderate drilling rates (100 ft/hr)
171	Sandy Shale. Reddish-brown.					0.0		
174	Sandy Shale.Reddish-brown					0.0		fast drilling rates (110 ft/hr) hard. slow drilling rates (90 ft/hr)
181	Sandy Shale. light grey.	SH				0.0		
186	Sandy Shale.Reddish-brown					0.0		fast drilling rates (110 ft/hr)
201	Shale. Reddish-brown							moderate drilling rates (100 ft/hr)
205	Bottom of Boring							200 gallons water removed during initial development

HydroGeoLogic, Inc

Borehole ID: K

Corresponding Well ID: EPA-09 Sheet 1 of 1

Project Name: North Penn 5	**Project Number:**	**Location:** North Penn 5	**Client:** USEPA, Region 3
Drilling Company: Raab Drilling	**Driller:** Rick Raab	**Date / Time Drilling Started:** 12-Apr-23 / 10:40	**Date / Time TD Reached:** 12-Apr-23 / 14:05
Drilling Equipment: Ingersoll Rand T4-501B	**Sampling Device:** None	**Geologist:** David Back	**Checked By:**
Drilling Method: Air Rotary		**Borehole Diameter:** 8 in.	**Total Depth Drilled:** 255 (ft-bgs)
Well Depth TBD			
Screen: Dia. Length: (ft) Type/Size:		**Water Level (bgs):**	
Casing: Dia. Length: (ft) Type/Size:		first: 17 (ft-bgs) final: 22 (ft-bgs)	
Ground Surface Elevation (ft msl):		**Northing:**	**Easting:**

Depth	Lithologic Symbol	Description: lithology, color, saturation, grain size, sorting, angularity, density, plasticity and cementation.	USCS Symbol	Elevation	% Recovery	Blow Counts	PID (ppm)	Water Level	Remarks
0		Reddish clay soil.Medium plasticity; dry.	CL				0.0		fast drilling rates (110 ft/hr)
17		Sandy Shale.red brown.					0.0		moderate drilling rates (100 ft/hr) water first encountered @24 ft.
53		Shale. light brown.					0.0		moderate drilling rates (100 ft/hr)
68		Sandy Shale. Red brown.					0.0		fast drilling rates (110 ft/hr)
83		Shale.Red brown.					0.0		fast drilling rates (110 ft/hr)
108		Sandy Shale. blue-grey.	SH				0.0		slow drilling rates (90 ft/hr)
135		Sandy Shale. Red brown.					0.0		moderate drilling rates (100 ft/hr) slow drilling rates (90 ft/hr)
153		Shale.Red brown.					0.0		fast drilling rates (110 ft/hr)
166		Sandy Shale. light grey.					0.0		hard. slow drilling rates (90 ft/hr) fast drilling rates (110 ft/hr)
179		Shale. Red brown.					0.0		
186		Siltstone. light grey.	SS				0.0		moderate drilling rates (100 ft/hr) slow drilling rates (90 ft/hr)
195		Shale/Mudstones. Red-brown	SH						fast drilling rates (110 ft/hr)
202		Siltstone. light grey. Trace calcite.	SS				0.0		moderate drilling rates (100 ft/hr) slow drilling rates (90 ft/hr)
212		Sandy Shale. Reddish-brown.					0.0		fast drilling rates (110 ft/hr)
235		Sandy Shale. Reddish-brown.	SH				0.0		hard. slow drilling rates (90 ft/hr)
243		Shale. Reddish-brown. Trace calcite					0.0		moderate drilling rates (100 ft/hr) slow drilling rates (90 ft/hr) fast drilling rates (110 ft/hr)
249		Sandy Shale. Reddish-brown.	SH				0.0		fast drilling rates (110 ft/hr)
255		Bottom of Boring							500 gallons water removed during initial development

ATTACHMENT 2

GEOPHYSICAL LOGS AND FEATURES TABLE

December 20, 2022

Misty Kauffman
Project Manager
HydroGeoLogic, Inc.

Re: Results of Borehole Geophysical Logging:
North Penn 5 Superfund Site, Colmar, Pennsylvania

Well A, Well B, Well C, Well D, Well E, Well F, Well G, Well H, Well I, Well J

Dear Ms. Kauffman,

In response to your request, Earth Data Northeast, Inc. ("EDN") is pleased to provide HydroGeoLogic, Inc. ("HGL") with the following summary of borehole geophysical logging services conducted throughout October - November 2022 at the North Penn 5 Superfund Site in Colmar, PA.

Borehole Geophysical Logging

The following suite of geophysical logs was performed (as indicated by the "X") in all wells.* **

☒Fluid Temperature / Fluid Conductivity
☒Optical Televiewer ("OTV")
☒3-Arm Caliper
☒Natural Gamma
☒Electrical Resistivity Suite
- ☒Spontaneous Potential ("SP")
- ☒Single Point Resistance ("SPR")
- ☒Short & Long Normal Resistivity

☒Acoustic Televiewer ("ATV")
☒Heat Pulse Flowmeter (Ambient & Pumping Conditions)

* Acoustic Televiewer and Heat Pulse Flowmeter were omitted from the scope for Wells A and B due to severe borehole tilt angle.

** Heat Pulse Flowmeter was omitted from the scope for Well D due to severe borehole tilt angle.

Results of Borehole Geophysical Logging

Geophysical log composites that contain the data collected in each borehole are included as attachments. All depths referenced in this report are measured from below ground surface (bgs).

Features identified with the OTV and ATV are presented in both tabular and graphical format, referenced to True North, and can be found in the attachment. A qualitative classification of each feature, with respect to its aperture, was assigned according to the following criteria:

Fracture – prominent, dark sinusoidal line across the entire acoustic image with significant aperture; usually supported by the response of the 3-arm caliper.

Hairline Fracture – less evident, dark sinusoidal line spanning across the acoustic image with minimal aperture; may not be supported by caliper response.

Discontinuous Fracture (Hairline or otherwise) – shape of sinusoidal line is partially intact but does not span across entire acoustic image.

Bedding Plane – continuous sinusoidal line with minimal aperture, sometimes supported by changes in acoustic amplitude, often displaying consistent orientation patterns throughout geologic units.

Sealed Fracture – mineral filled sinusoidal fracture, may be reflective and prominent on optical televiewer image while not visible on acoustic televiewer image.

Characterization of features was aided by software provided by the geophysical tool manufacturer. More features may exist than were identified.

Data collected by the Heat Pulse Flowmeter are presented in tabular format, and can be found within the body of this report. While reviewing heat pulse data, please note the following:

- Inflow zones (water flowing into the borehole) are generally observed where flow directions diverge from an area/feature within the borehole or increase in strength while moving in the same direction.

- Outflow zones (water flowing out of the borehole and into the formation) are generally observed where flow directions converge on an area/feature or decrease in strength while moving in the same direction.

- According to its manufacturer, the operating range of the heat pulse probe is 0.03 to 1.0 gpm.

- It is important to note that the open borehole creates a conduit for water to flow between fractures. Therefore, flow patterns may not be indicative of the natural conditions that existed prior to the commencement of drilling operations.

Well A

Well diameter: 8" nominal
Total depth: 400'
Casing depth: 24.5'
Static water level: 9.5'

Field observations / Remarks:

Hydrogeologic Observations:

- Change in both fluid temperature and fluid conductivity recorded between 50'-52', consistent with fracture location.
- Change in both fluid temperature and fluid conductivity recorded between 182'-185', consistent with fracture location.
- Slight change in fluid conductivity recorded at 204', in proximity to fracture location.
- Slight change in fluid conductivity recorded 259', consistent with partial fracture location.
- Heat pulse flowmeter testing could not be performed due to the significant tilt angle of the borehole.

Geologic Observations:

- Bedding planes observed throughout most of open borehole dipping primarily WNW with dip angles generally ranging between 30°-50°.
- Numerous high-angle sealed/mineralized fractures (> 50°) observed throughout borehole, primarily dipping East.
- Major open fracture observed between 48'-51', dipping ESE at a dip angle ~ 40°.
- Fracture observed between 58'-60', dipping SE at a dip angle ~ 60°.
- Bedding-parallel fracture observed between 103'-105', dipping WNW at a dip angle ~ 40°.
- Two prominent high-angle fractures (≥ 50°) observed between 132'-138', dipping East at dip angles ~ 60°.
- Prominent fracture zone observed between 181'-184', consistent with changes in fluid properties, likely indicating hydraulic transmissivity.
- High-angle fracture (~ 70°) observed between 201'-208', dipping East.
- Discontinuous fracturing observed at 259', consistent with minor changes in fluid properties, possibly indicating hydraulic transmissivity.
- Thin fracture observed between 286'-288', dipping East at a dip angle ~ 55°.
- Fracture observed between 346'-349' dipping East at a dip angle ~ 50°.
- Several high-angle discontinuous fractures (> 50°) observed between 352'-365'.
- Multiple distinct lithology changes observed throughout borehole, indicated by changes on natural gamma and electrical logs, and color variation on OTV image.

Features Traced: 344 (see feature summary table and log composite attached)
Primary Strike Orientation: North-Northeast—South-Southwest
Primary Dip Direction: West-Northwest

Borehole Deviation (Well A)

- Tilt and azimuth data recorded by the OTV probe indicate that this borehole deviates significantly with depth, reaching a maximum tilt angle of 20°. By terminal depth, this deviation results in an 80 ft lateral drift to the SE from the borehole's surface location. (See bull's eye deviation plot and cylindrical deviation plot attached).

Well B

Well diameter: 8" nominal
Total depth: 395'
Casing depth: 25.5'
Static water level: 12.8'

Field observations / Remarks:

Hydrogeologic Observations:

- Changes in fluid conductivity and fluid temperature recorded between 175'-190', consistent with major fracture zone, likely indicating hydraulic transmissivity.
- Changes in fluid conductivity recorded between 275'-293', consistent with fracture locations, likely indicating hydraulic transmissivity.
- Heat pulse flowmeter testing could not be performed due to the significant tilt angle of the borehole.

Geologic Observations:

- Numerous high-angle sealed/mineralized fractures (> 50°) observed throughout borehole, generally dipping East.
- Discontinuous fracture observed at 36', dipping ENE at a dip angle ~ 65°.
- Fractured zone observed between 88'-96'.
- Fracture observed between 174'-176', consistent with change in fluid conductivity.
- Several prominent fractures observed between 180'-186', in proximity to changes in fluid properties.
- Fracture observed between 201'-204', dipping NE at an angle ~ 45°.
- Fracture observed between 242'-244', dipping NW at an angle ~ 55°.
- Distinct lithology changes observed between 263'-290', indicated by color variation on optical televiewer image and notable changes on natural gamma log.
- Major open fracture observed between 272'-278', dipping East at an angle ~ 65°, consistent with change in fluid conductivity.
- Discontinuous fracture observed at 291', consistent with change in fluid conductivity.
- Bedding planes observed throughout most of open borehole dipping primarily West with dip angles generally ranging between 30°-50°.

Features Traced: 333 (see feature summary table and log composite attached)

Primary Strike Orientation: North-South
Primary Dip Direction: West

Borehole Deviation (Well B)

- Tilt and azimuth data recorded by the OTV probe indicate that this borehole deviates significantly with depth, reaching a maximum tilt angle of 20°. By terminal depth, this deviation results in an 85 ft lateral drift to the SE from the borehole's surface location. (See bull's eye deviation plot and cylindrical deviation plot attached).

Well C

Well diameter: 8" nominal
Total depth: 400' reported
Casing depth: 25'
Static water level: 9.6'

Field observations / Remarks:

Note: A partial obstruction was encountered at 42', likely to be a chunk of rock that fell out from the borehole wall and became lodged. The fluid temperature a conductivity probe was able to pass this obstruction, but all subsequent probes attempted were unable to proceed past 42'. In an effort to capture a visual of the obstruction, a borehole video was recorded. At the time the video was recorded, the borehole fluid was highly turbid, making it difficult to clearly see the obstruction.

Hydrogeologic Observations:

- Change in fluid temperature recorded at 34', consistent with fracture location, possibly indicating flow.
- Slight changes in fluid conductivity recorded at 230' and at 355'.

Geologic Observations:

- Large open fracture zone observed on both acoustic televiewer and borehole video between 28'-36', likely to be the source of the obstruction rock.

Well D

Well diameter: 8" nominal
Total depth: 401'
Casing depth: 24'
Static water level: 9.8'

Field observations / Remarks:

Hydrogeologic Observations:

- No significant changes in fluid temperature nor fluid conductivity recorded.
- Heat pulse flowmeter testing could not be performed due to the significant tilt angle of the borehole.

Geologic Observations:

- Numerous high-angle sealed/mineralized fractures (> 50°) observed throughout borehole, primarily dipping SE.
- Bedding planes observed throughout much of open borehole dipping primarily NW with dip angles generally ranging between 25°-45°.
- High-angle discontinuous fracturing (> 60°) observed between 37'-4.
- Continuous bedding-parallel fracture observed between 44'-45'.
- Discontinuous fracture observed between 48'-51'.
- Prominent fracture observed between 60'-63', dipping East at an angle ~ 60°.
- Several discontinuous fractures observed between 75'-85'.
- Several prominent high-angle fractures (> 60°) observed between 101'-114', dipping SE.
- Bedding-parallel fracture observed at 136'.
- Several discontinuous fractures observed between 183'-189'.
- Discontinuous fractures observed between 197'-198', 202'-205', and 219'-222'.
- Bedding-parallel fracture observed at 228'.
- Multiple prominent discontinuous fractures observed between 233'-240'.
- Discontinuous fracturing observed between 255'-265'.
- Prominent continuous fracture observed between 301'-305', dipping SE at an angle ~ 60°.
- Multiple high-angle discontinuous fractures (> 60°) observed between 315'-329'.

Features Traced: 347 (see feature summary table and log composite attached)

Primary Strike Orientation: Northeast-Southwest
Primary Dip Direction: Northwest

Borehole Deviation (Well D)

- Tilt and azimuth data recorded by the ATV and OTV probes indicate that this borehole deviates significantly with depth, reaching a maximum tilt angle of 18°. By terminal depth, this deviation results in a nearly 70 ft lateral drift to the SE from the borehole's surface location. (See bull's eye deviation plot and cylindrical deviation plot attached).

Well E

Well diameter: 8" nominal
Total depth: 50'
Casing depth: 20'
Static water level: 17.6'

Field observations / Remarks:

Hydrogeologic Observations:

- Change in fluid conductivity recorded at 26', in proximity to fracture location.
- Heat pulse flowmeter results indicate zero detectable flow under ambient conditions.
- Heat pulse flowmeter testing was not conducted under pumping conditions due to proximity of the water level to the bottom of casing.

Geologic Observations:

- Discontinuous fractures observed between 23'-26', 28'-30' and 39'-41'.
- Multiple bedding planes observed throughout borehole, dipping SW with dip angles ranging between 15°-30°.
- Numerous high-angle discontinuous hairline fractures observed throughout borehole.

Features Traced: 32 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well E):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM
30'	No Flow	0.000
40'	No Flow	0.000
45'	No Flow	0.000

Inflow: No conclusive inflow zones were identified.

Outflow: No conclusive outflow zones were identified.

Well F

Well diameter: 8" nominal
Total depth: 350'
Casing depth: 21.5'
Static water level: 10.9'

Field observations / Remarks:

Hydrogeologic Observations:

- Slight change in fluid conductivity recorded at 74'.
- Change in fluid conductivity recorded at 130', consistent with fracture zone.
- Changes in fluid conductivity recorded between 145'-170'.
- Slight changes in fluid conductivity recorded between 207'-214', consistent with fracture locations.
- Change in fluid temperature recorded at 265', consistent with fracture location.
- Change in both fluid temperature and fluid conductivity recorded between 283'-284', consistent with fracture location.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.8 gpm), water level drew down 0.23'over 240 minutes.

Geologic Observations:

- Multiple partial fractures / cavities observed between 21'-41', supported by increases in borehole diameter.
- Discontinuous fractures observed between 44'-46' and 64'-66'.
- Numerous bedding planes observed throughout open borehole, dipping generally NW, W, or SW, with dip angles generally ranging between 20°-40°.
- Prominent fracture zones observed between 128'-133', and between 136'-139', likely to be hydraulically transmissive.
- Several high-angle discontinuous fractures (> 80°) observed between 191'-198'.
- Discontinuous fractures observed between 206'-210', likely to be hydraulically transmissive.
- Discontinuous fracture observed at 222'.
- Discontinuous fracturing observed between 242'-245'.
- Bedding-parallel fracture observed at 263'.
- Partial fracturing observed between 281'-287', likely to be hydraulically transmissive.
- Discontinuous fracture observed between 296'-299'.
- Discontinuous fracturing observed between 322'-326' and between 333'-336'.
- Numerous sealed / mineralized fractures observed throughout borehole, generally high-angle (> 45°), varying dip direction.

Features Traced: 235 (see feature summary table and log composite attached)

Primary Strike Orientation: Northeast-Southwest
Primary Dip Direction: Northwest

Heat pulse flowmeter results (Well F):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
42'	**Upward**	**0.058**	**Upward**	**0.515**
62'	**Upward**	**0.026**	**Upward**	**0.524**
77'	**Upward**	**0.023**	**Upward**	**0.524**
93'	**Upward**	**0.017**	**Upward**	**0.548**
105'	**Upward**	**0.017**	**Upward**	**0.037**
124'	No Flow	0.000	**Upward**	**0.104**
134'	No Flow	0.000	**Upward**	**0.190**
150'	No Flow	0.000	**Upward**	**0.057**
166'	**Upward**	**0.023**	**Upward**	**0.043**
182'	**Upward**	**0.017**	**Upward**	**0.033**
191'	**Upward**	**0.030**	**Upward**	**0.046**
202'	**Upward**	**0.023**	**Upward**	**0.033**
220'	**Upward**	**0.010**	**Upward**	**0.029**
238'	**Upward**	**0.017**	No Flow	0.000
245'	No Flow	0.000	No Flow	0.000
266'	No Flow	0.000	No Flow	0.000
290'	No Flow	0.000	No Flow	0.000
310'	No Flow	0.000	No Flow	0.000
320'	No Flow	0.000	No Flow	0.000
330'	No Flow	0.000	No Flow	0.000

Inflow: Under ambient conditions, no conclusive inflow zones were identified. Under pumping conditions, inflow zones appear to exist between 134'-238', and between 93'-105'.

Outflow: Under ambient conditions, an outflow zone appears to exist above 42'. Under pumping conditions an outflow zone appears to exist between 105'-134'.

Well G

Well diameter: 8" nominal
Total depth: 350'
Casing depth: 25'
Static water level: 13.0'

Field observations / Remarks:

Hydrogeologic Observations:

- Change in fluid conductivity recorded between 28'-31', consistent with fracture location.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.7 gpm), water level drew down 0.5'over 191 minutes.

Geologic Observations:

- Major fracture zone observed between 29'-33', likely to be hydraulically transmissive.
- Numerous bedding planes observed throughout open borehole, varying dip direction, dip angles generally less than 30°.
- Numerous high-angle sealed / mineralized fractures (> 60°) observed throughout borehole, varying dip direction.
- Discontinuous fractures observed between 39'-42' and between 44'-47'.
- Prominent high-angle discontinuous fracture (> 75°) observed between 128'-134', dipping SE.
- Partially fractured zone observed between 300'-303'.
- Partially fractured zone observed between 342'-344' (3-arm caliper probe became momentarily hung up on this feature).

Features Traced: 283 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well G):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
40'	**Upward**	**0.030**	**Upward**	**0.038**
50'	**Upward**	**0.044**	**Upward**	**0.169**
95'	**Upward**	**0.019**	**Upward**	**0.119**
110'	No Flow	0.000	**Upward**	**0.049**
120'	No Flow	0.000	**Upward**	**0.027**
140'	No Flow	0.000	**Upward**	**0.020**
150'	No Flow	0.000	**Upward**	**0.020**
160'	No Flow	0.000	**Upward**	**0.018**
190'	No Flow	0.000	**Upward**	**0.020**
210'	**Upward**	**0.017**	**Upward**	**0.022**
230'	**Upward**	**0.022**	No Flow	0.000
250'	**Upward**	**0.018**	No Flow	0.000
285'	**Upward**	**0.017**	No Flow	0.000
305'	**Upward**	**0.024**	**Upward**	**0.027**
315'	**Upward**	**0.018**	No Flow	0.000
325'	**Upward**	**0.017**	No Flow	0.000
340'	**Upward**	**0.021**	No Flow	0.000
345'	No Flow	0.000	**Upward**	**0.023**

Inflow: Under ambient conditions, an inflow zone appears to exist between 50'-95'. Under pumping conditions, inflow zones appear to exist between 50'-140', and between 25'-40'.

Outflow: Under ambient conditions, outflow zones appear to exist above 50'. Under pumping conditions, an outflow zone may exist between 40'-50'.

Well H

Well diameter: 8" nominal
Total depth: 250'
Casing depth: 25'
Static water level: 14.36'

Field observations / Remarks:

Hydrogeologic Observations:

- Slight changes in fluid conductivity recorded between 21'-26'.
- Slight change in fluid conductivity recorded between 70'-74' consistent with fracture location.
- Change in fluid conductivity recorded between 95'-98'.
- Very slight change in fluid conductivity recorded between 198'-205'.
- No major changes in fluid temperature recorded.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.55 gpm), water level drew down 0.14'over 180 minutes.

Geologic Observations:

- Fracturing observed at casing-bedrock interface.
- Highly fractured / broken–up interval observed between 31'-41'.
- Numerous bedding planes observed throughout open borehole, dipping generally NW, W, or SW, with dip angles ranging between 20°-50°.
- Numerous hairline features observed throughout the borehole, generally high-angle (> 45°), varying dip directions.
- Prominent bedding-parallel fracture observed between 59'-61'.
- Continuous fracture observed between 71'-74', dipping SE at an angle ~ 65°.
- Continuous fracture observed between 115'-117', dipping SE at an angle ~ 55°.
- Several discontinuous fractures observed between 157'-169' and between 179'-185', supported by major increases in borehole diameter.

Features Traced: 168 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well H):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
50'	**Upward**	**0.023**	**Upward**	**0.038**
68'	**Upward**	**0.030**	**Upward**	**0.020**
82'	**Upward**	**0.032**	**Upward**	**0.020**
99'	**Upward**	**0.020**	**Upward**	**0.019**
117'	**Upward**	**0.028**	**Upward**	**0.020**
128'	**Upward**	**0.039**	**Upward**	**0.020**
145'	**Upward**	**0.020**	**Upward**	**0.020**
156'	**Upward**	**0.020**	**Upward**	**0.019**
172'	**Upward**	**0.023**	**Upward**	**0.018**
189'	**Upward**	**0.027**	**Upward**	**0.019**
207'	No Flow	0.000	No Flow	0.000
228'	No Flow	0.000	No Flow	0.000
238'	No Flow	0.000	No Flow	0.000

Inflow: Possible inflow zone identified between 189'-207'.

Outflow: Possible outflow zone identified between 25'-50'.

Well I

Well diameter: 8" nominal
Total depth: 200'
Casing depth: 25'
Static water level: 13.1'

Field observations / Remarks:

Hydrogeologic Observations:

- Significant change in fluid conductivity recorded between 153'-157', consistent with fracture location.
- No major changes in fluid temperature recorded.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.54 gpm), water level drew down 0.7'over 128 minutes.

Geologic Observations:

- Continuous fracture observed at 148', in proximity to change in fluid conductivity, possibly indicating hydraulic transmissivity.
- High-angle discontinuous fracture (> 70°) observed between 151'-154', consistent with change in fluid conductivity, likely indicating hydraulic transmissivity.
- Numerous sealed / mineralized fractures and hairline fractures observed throughout borehole, generally high-angle (> 45°) and primarily dipping East.

Note: Black splotches observed on acoustic televiewer image are a result of poor centralization in the deviated borehole (8° max tilt angle).

Features Traced: 95 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well I):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
33'	**Upward**	**0.026**	**Upward**	**0.041**
50'	**Upward**	**0.036**	**Upward**	**0.057**
67'	**Upward**	**0.034**	**Upward**	**0.029**
80'	**Upward**	**0.031**	**Upward**	**0.024**
95'	**Upward**	**0.028**	**Upward**	**0.021**
110'	**Upward**	**0.026**	**Upward**	**0.021**
123'	**Upward**	**0.021**	No Flow	0.000
132'	**Upward**	**0.021**	No Flow	0.000
142'	No Flow	0.000	No Flow	0.000
150'	No Flow	0.000	No Flow	0.000
160'	**Upward**	**0.019**	No Flow	0.000
170'	**Upward**	**0.020**	No Flow	0.000
182'	**Upward**	**0.020**	No Flow	0.000
190'	**Upward**	**0.024**	No Flow	0.000

Inflow: No inflow zones were conclusively identified.

Outflow: No outflow zones were conclusively identified.

Well J

Well diameter: 8" nominal
Total depth: 200'
Casing depth: 25'
Static water level: 13.3'

Field observations / Remarks:

Hydrogeologic Observations:

- Slight change in fluid conductivity recorded at 194', possibly related to suspended sediment at the bottom of the well.
- No significant changes in fluid temperature recorded.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.625 gpm), water level drew down 1.21'over 124 minutes.

Geologic Observations:

- Multiple bedding planes observed throughout borehole, primarily dipping NW, dip angles generally between 20°-40°
- Prominent discontinuous fractures observed between 35'-38', between 57'-61', between 84'-87', and between 140'-143'.
- Numerous sealed / mineralized fractures and hairline fractures observed throughout borehole, varying dip directions and angles.

Features Traced: 117 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well J):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
33'	**Upward**	**0.018**	**Upward**	**0.064**
50'	**Upward**	**0.020**	**Upward**	**0.222**
68'	No Flow	0.000	**Upward**	**0.095**
84'	No Flow	0.000	**Upward**	**0.039**
88'	**Downward**	**-0.055**	**Upward**	**0.138**
99'	**Downward**	**-0.076**	**Upward**	**0.094**
115'	**Downward**	**-0.050**	**Upward**	**0.151**
129'	No Flow	0.000	**Upward**	**0.052**
146'	**Downward**	**-0.077**	**Upward**	**0.036**
160'	No Flow	0.000	**Upward**	**0.028**
174'	No Flow	0.000	**Upward**	**0.028**
190'	No Flow	0.000	**Upward**	**0.018**

Inflow: Under ambient conditions an inflow zone appears to exist between 84'-88'. Under pumping conditions, inflow zones appear to exist between 115'-TD, and between 50'-84'.

Outflow: Under pumping conditions, outflow zones appear to exist between 84'-88' and between 99'-115'.

This summary of the geophysical logging data was prepared at the request of HGL, for their sole use and interpretation. All data was collected and managed using generally accepted practices. No other warranty, express or implied, is made.

If you should have any further questions or comments, please feel free to contact me at (610) 200-5158 or via email at zhordeski@earthdatane.com.

Sincerely,



Zachary Hordeski, PG
Geologist
Earth Data Northeast, Inc.

EDN
Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well A
Date: 11/10/22 - 11/11/22
Depth Reference: Ground Surface
Magnetic Declination: -14.35°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 9.5'
Casing Depth: 24.5'
Total Depth: 400'

Fracture | Healed Fracture | Discontinuous Fracture
Discontinuous Healed Fracture | Bedding Plane Change in Lithology | Isolated Vuggy Feature

*Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth

Borehole Diameter | Depth | Natural Gamma | Short Normal Resistivity | 3D DTV | Optical Televiewer | Features | Dip Tadpoles | Rose Plot - Strike (red)
Fluid Temperature | Spontaneous Potential | Long Normal Resistivity | Rose Plot - Dip Azimuth (blue)
Fluid Conductivity | Single-Point Resistance

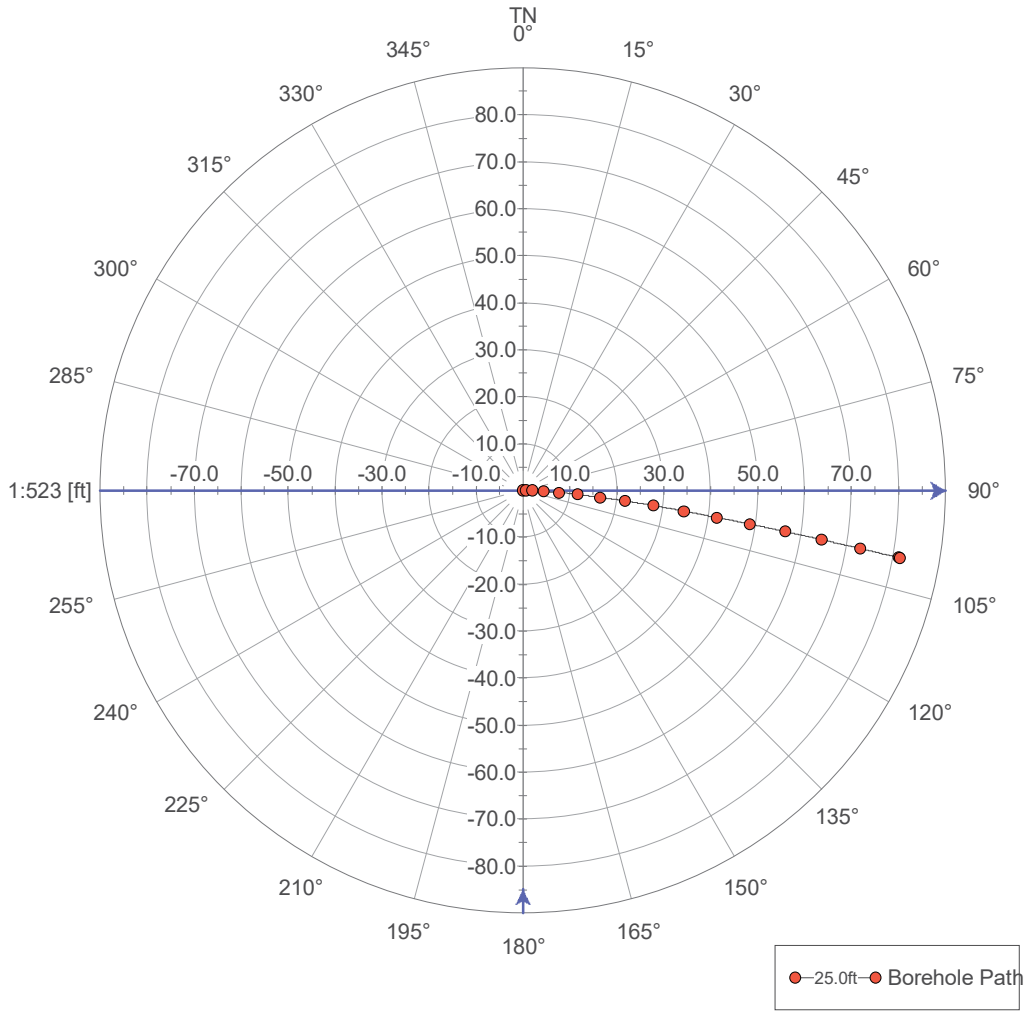
ATV and optical viewing could not be conducted in this borehole due to significant borehole deviation. (Max tilt angle = 21°)

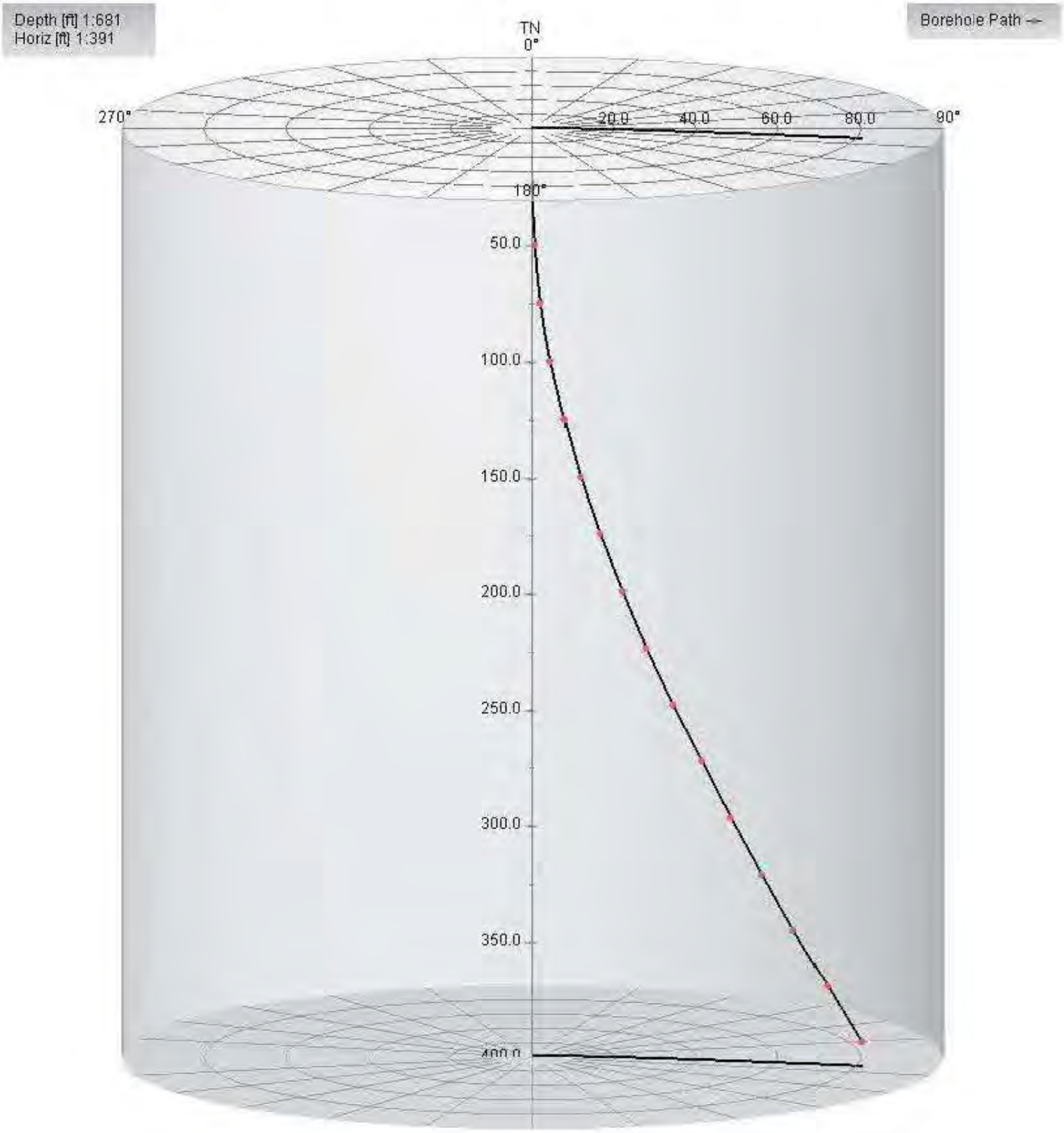
Strike - Absolute (Count)

Components: Strike
Counts: 344.00
Mean (2D): 110.22
Std.Dev.: 39.09

Azimuth - Absolute (Count)

Components: Azimuth
Counts: 344.00
Mean (2D): 311.29
Std.Dev.: 109.20
Min: 3.26
Max: 359.57


TN
0°
15°
30°
45°
60°
75°
90°
105°
120°
135°
150°
165°
180°
195°
210°
225°
240°
255°
270°
285°
300°
315°
330°
345°
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-70.0
-50.0
-30.0
-10.0
10.0
30.0
50.0
70.0
1:523 [ft]
25.0ft
Borehole Path


Depth [ft] 1:681
Horiz [ft] 1:391
Borehole Path
TN
0°
270°
90°
180°
20.0
40.0
60.0
80.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0

EDN
Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well B
Date: 11/09/22 - 11/10/22
Depth Reference: Ground Surface
Magnetic Declination: -11,25°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 12,8'
Casing Depth: 25,5'
Total Depth: 395'

Fracture
Healing Fracture
Discontinuous Fracture
Discontinuous Healing Fracture
Bedding Plane
Sealed Fracture

*Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth

Borehole Diameter
Depth
Natural Gamma
Short Normal Resistivity
3D OTV
Optical Televiewer
Features
Dip Tadpoles
Rose Plot - Strike (red)
Fluid Temperature
Spontaneous Potential
Long Normal Resistivity
Rose Plot - Dip Azimuth (blue)
Fluid Conductivity
Single-Point Resistance

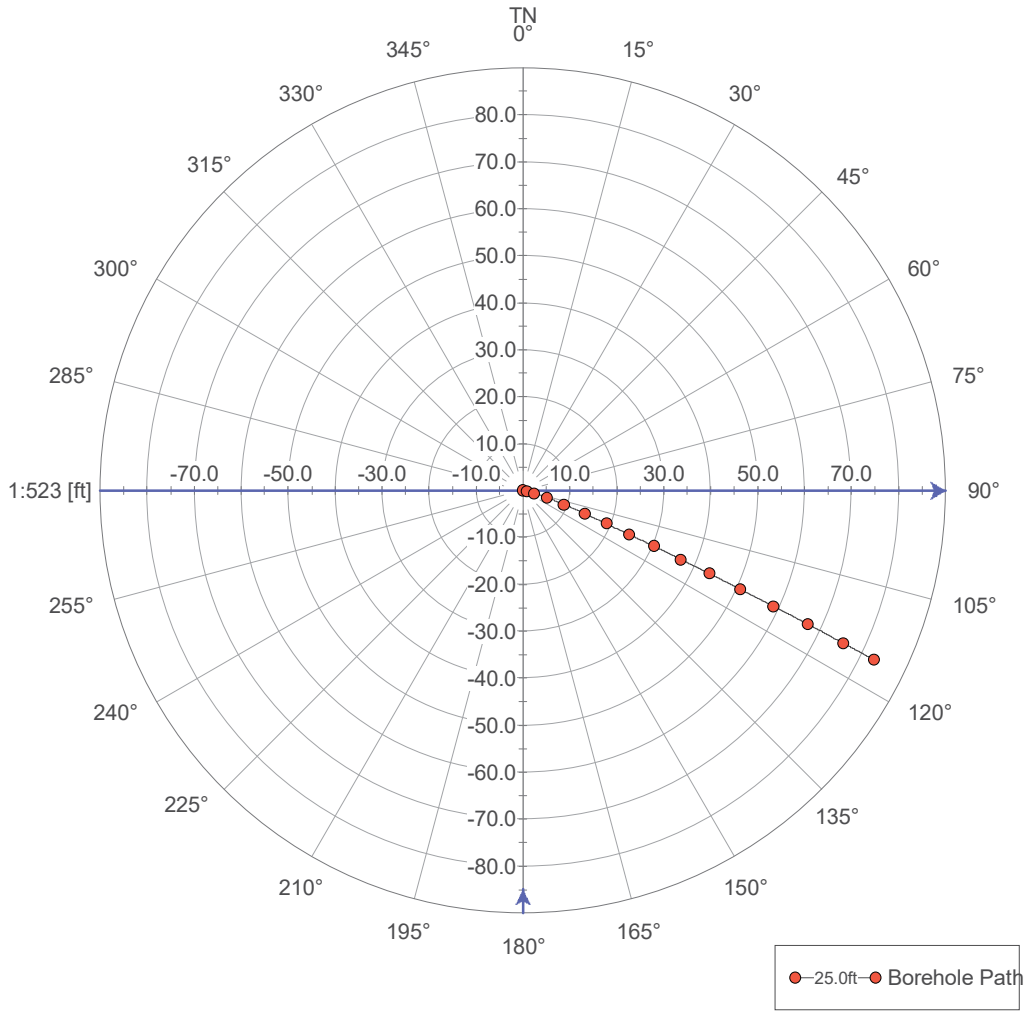
ATV and HTPTM testing results must be conducted in the borehole due to a significant borehole deviation (Max. Hole Angle: 9.25°)

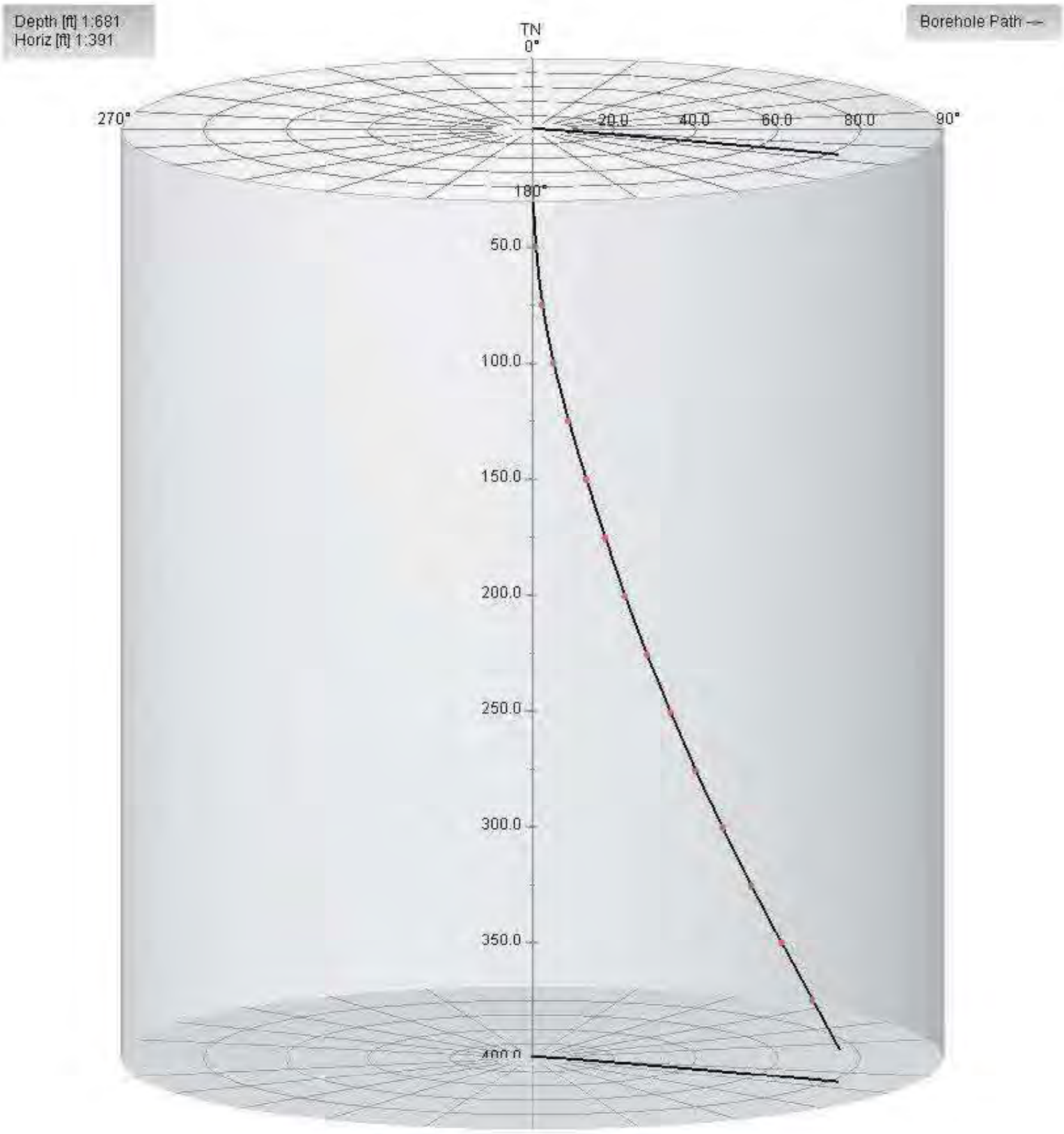
Strike - Absolute (Count)

Components:	Strike
Counts:	333,00
Mean (CCI):	179,57
Std.Dev.:	88,80

Azimuth - Absolute (Count)

Components:	Azimuth
Counts:	333,00
Mean (CCI):	319,47
Std.Dev.:	106,47
Min:	2,62
Max:	356,84

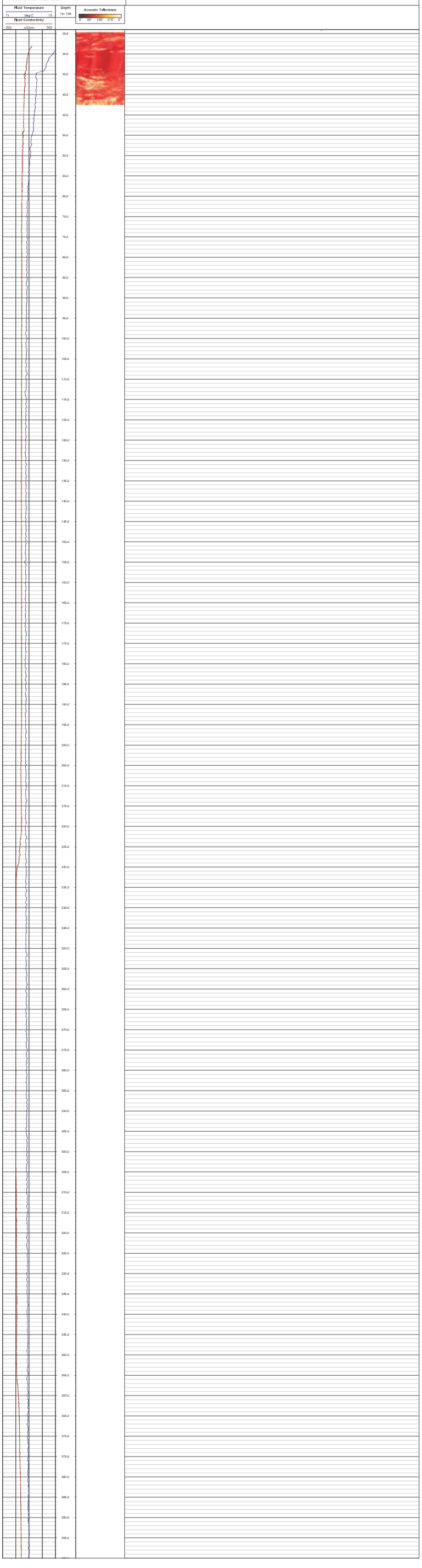

TN
0°
15°
30°
45°
60°
75°
90°
105°
120°
135°
150°
165°
180°
195°
210°
225°
240°
255°
285°
300°
315°
330°
345°
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-70.0
-50.0
-30.0
-10.0
10.0
30.0
50.0
70.0
1:523 [ft]
25.0ft
Borehole Path


Depth [ft] 1:681
Horiz [ft] 1:391
Borehole Path
TN
0°
270°
90°
180°
20.0
40.0
60.0
80.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0

Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well C
Date: 11/15/22
Depth Reference: Ground Surface
Magnetic Declination: +11.95°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 9.6'
Casing Depth: 25'
Total Depth: 400' reported, (obstruction encountered at 42')



EDN
Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well D
Date: 11/14/22
Depth Reference: Ground Surface
Magnetic Declination: -11.85°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 0.0'
Casing Depth: 24'
Total Depth: 400'

Fracture
Hairline Fracture
Discontinuous Fracture
Discontinuous Hairline Fracture
Bedding Plane / Change in Lithology
Induced Fracture/Fracture

*Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth

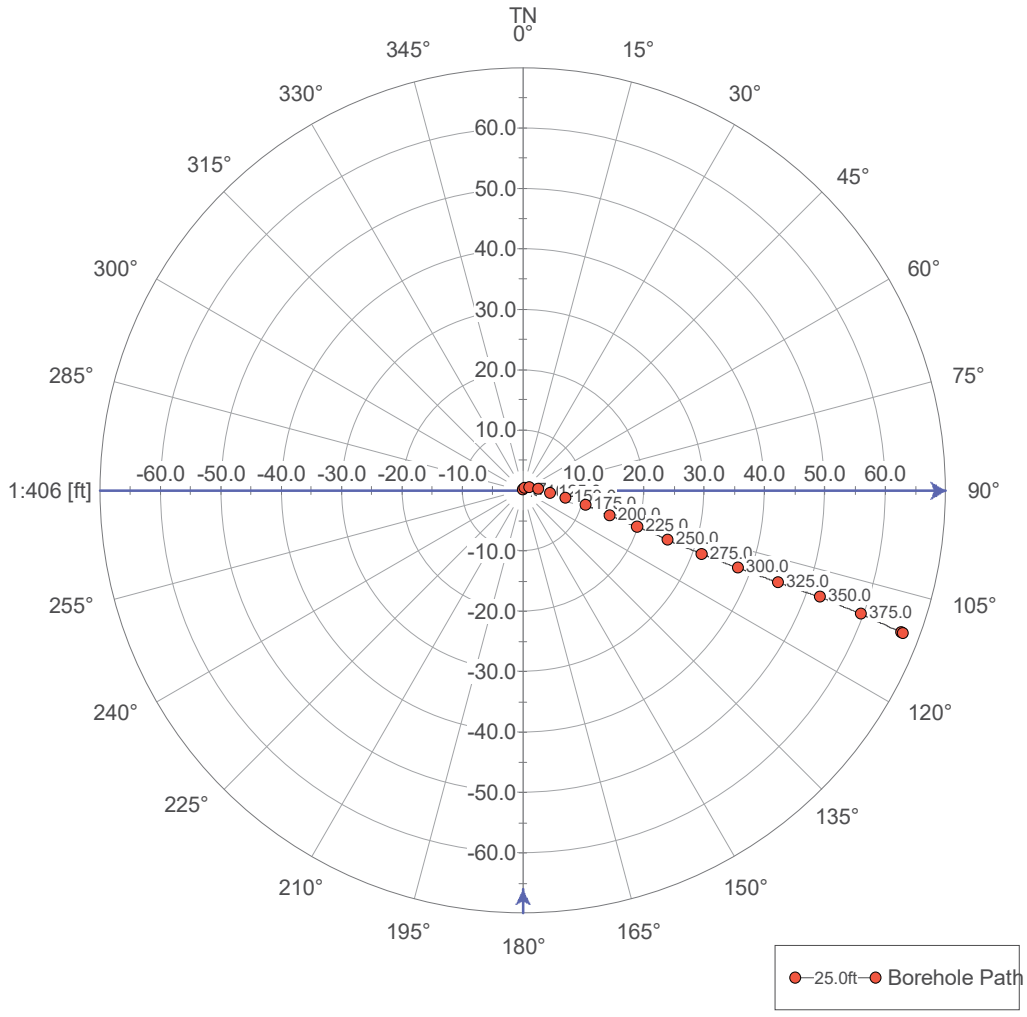
Borehole Diameter
Fluid Temperature
Fluid Conductivity
Depth
Natural Gamma
Spontaneous Potential
Short Normal Resistivity
Long Normal Resistivity
Single-Point Resistance
3D ATV
Acoustic Televiewer
Optical Televiewer
Features
Dip Tadpoles
Rose Plot - Strike (red)
Rose Plot - Dip Azimuth (blue)

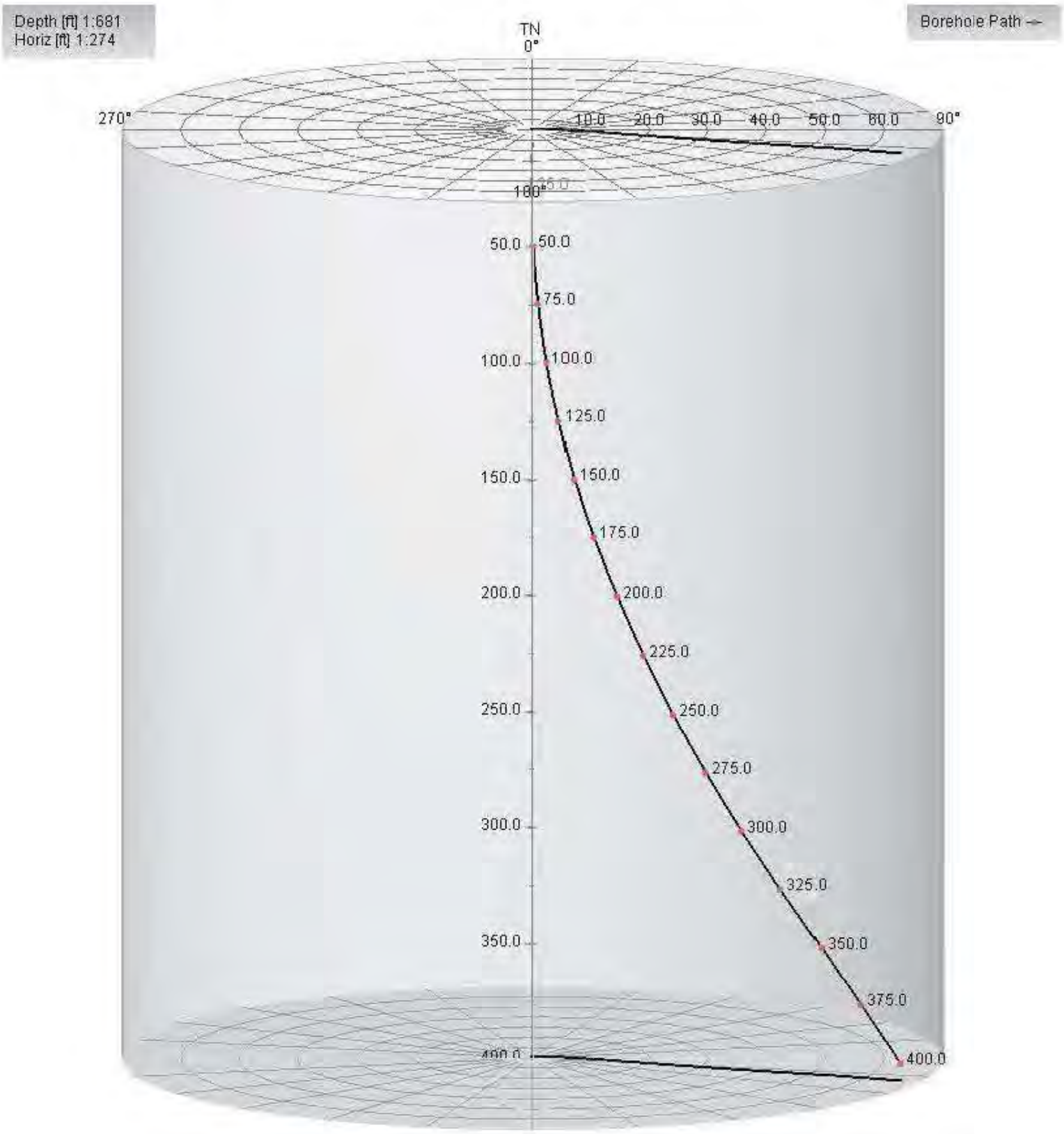
Strike - Absolute (Count)

Components: Strike
Counts: 347.00
Mean (2D): 135.51
Std.Dev.: 47.82

Azimuth - Absolute (Count)

Components: Azimuth
Counts: 347.00
Mean (2D): 339.26
Std.Dev.: 132.70
Min: 5.28
Max: 359.94


TN
0°
15°
30°
45°
60°
75°
90°
105°
120°
135°
150°
165°
180°
195°
210°
225°
240°
255°
285°
300°
315°
330°
345°
1:406 [ft]
60.0
50.0
40.0
30.0
20.0
10.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-60.0 -50.0 -40.0 -30.0 -20.0 -10.0
10.0 20.0 30.0 40.0 50.0 60.0
175.0
200.0
225.0
250.0
275.0
300.0
325.0
350.0
375.0
25.0ft
Borehole Path


Depth [ft] 1:681
Horiz [ft] 1:274
Borehole Path
TN
0°
270°
90°
180°
10.0
20.0
30.0
40.0
50.0
60.0
50.0
75.0
100.0
125.0
150.0
175.0
200.0
225.0
250.0
275.0
300.0
325.0
350.0
375.0
400.0

Earth Data Northeast, Inc.

Client: **HydroGeoLogic, Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well E**
Date: **11/07/22**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.95°**
North reference: **True North**

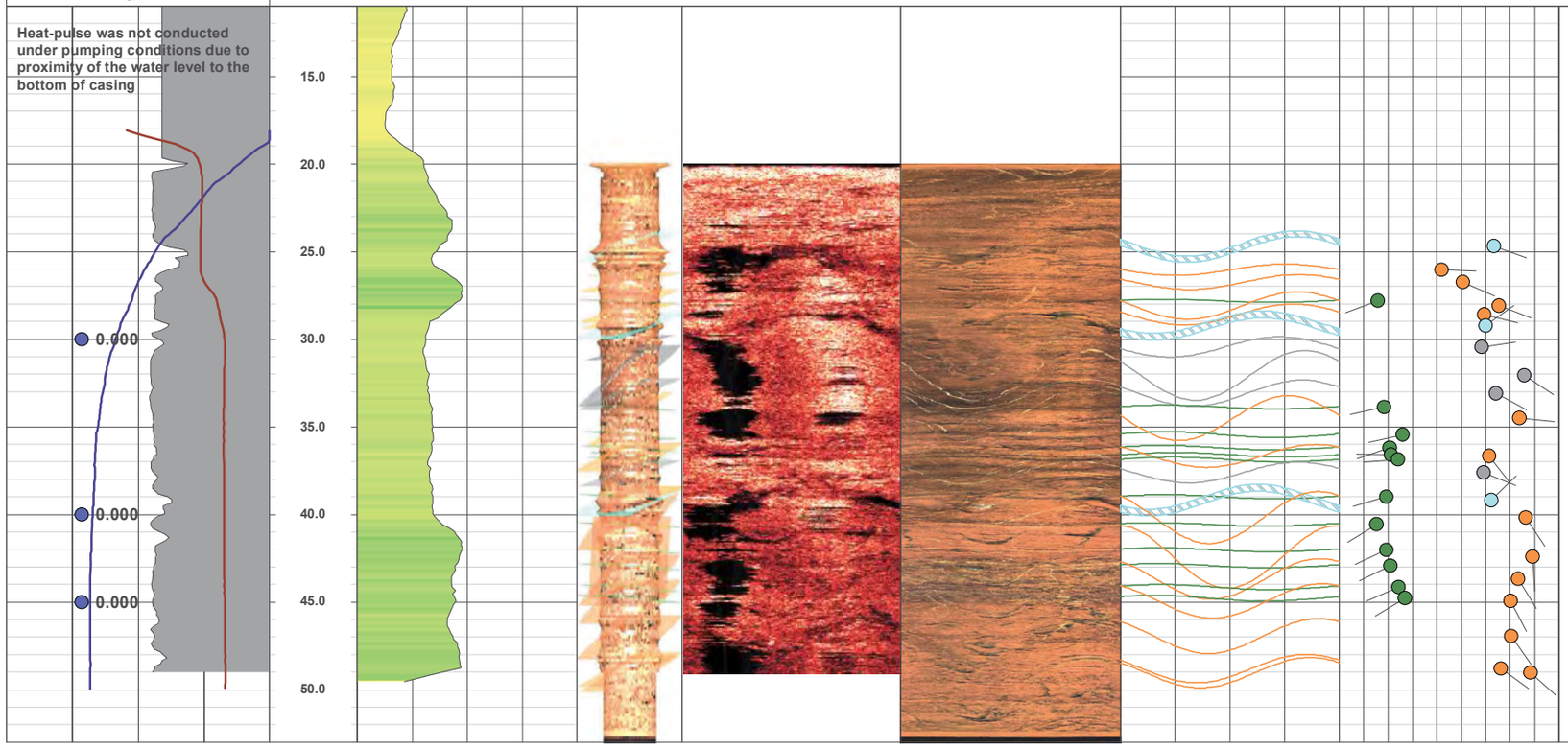
Borehole Diameter: **8"**
Static Water Level: **17.6'**
Casing Depth: **20'**
Total Depth: **50'**

Discontinuous Fracture
Discontinuous Hairline Fracture
Bedding Plane
Sealed Fracture

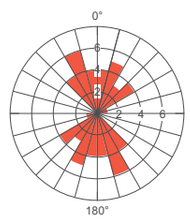
Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth

Borehole Diameter	Depth	Natural Gamma	3D OTV	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Rose Plot - Strike (red)
6 in. 10	1in:10ft	0 cps 300	-0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	Rose Plot - Dip Azimuth (blue)
Fluid Temperature								
11 deg C 15								
Fluid Conductivity								
0 uS/cm 800								
Ambient Flow								
gpm								

Heat-pulse was not conducted under pumping conditions due to proximity of the water level to the bottom of casing

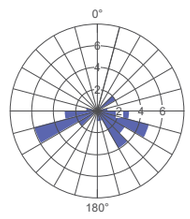


Strike - Absolute (Count)



Components:	Strike
Counts:	32.00
Mean (2D):	176.12
Std.Dev.:	71.85

Azimuth - Absolute (Count)



Components:	Azimuth
Counts:	32.00
Mean (2D):	160.95
Std.Dev.:	79.12
Min:	46.08
Max:	270.89

EDN
Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well F
Date: 11/1/22, 11/3/22, 11/7/22
Depth Reference: Ground Surface
Magnetic Declination: -11.85°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 10.9'
Casing Depth: 21.5'
Total Depth: 350'

✓ Fracture ✓ Hairline Fracture ✓ Discontinuous Fracture
✓ Discontinuous Hairline Fracture ✓ Bedding Plane / Change in Lithology ✓ Sealed Fracture/Feature

**Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth*

Borehole Diameter 7 in. 9 | Fluid Temperature 11 deg C 13 | Fluid Conductivity 100 uS/cm 300 | Ambient Flow gpm | Pumping Flow gpm | Depth 1in:10ft | Natural Gamma 0 cps 600 | Spontaneous Potential 200 mV 800 | Short Normal Resistivity 0 Ohm-m 600 | Long Normal Resistivity 0 Ohm-m 600 | Single-Point Resistance 0 Ohms 600 | 3D ATV -0° | Acoustic Televiewer 0° 90° 180° 270° 0° | Optical Televiewer 0° 90° 180° 270° 0° | Features 0° 90° 180° 270° 0° | Dip Tadpoles 0 90 | Rose Plot - Strike (red) | Rose Plot - Dip Azimuth (blue)

Pump set at 24'
Rate: 0.8 gpm
Drawdown: 0.23' over 240 min

Strike • Absolute (Count)

Components: Strike
Counts: 235,00
Mean (2D): 146,46
StdDev.: 59,21

Azimuth • Absolute (Count)

Components: Azimuth
Counts: 235,00
Mean (2D): 286,19
StdDev.: 74,38
Min: 6,24
Max: 346,04

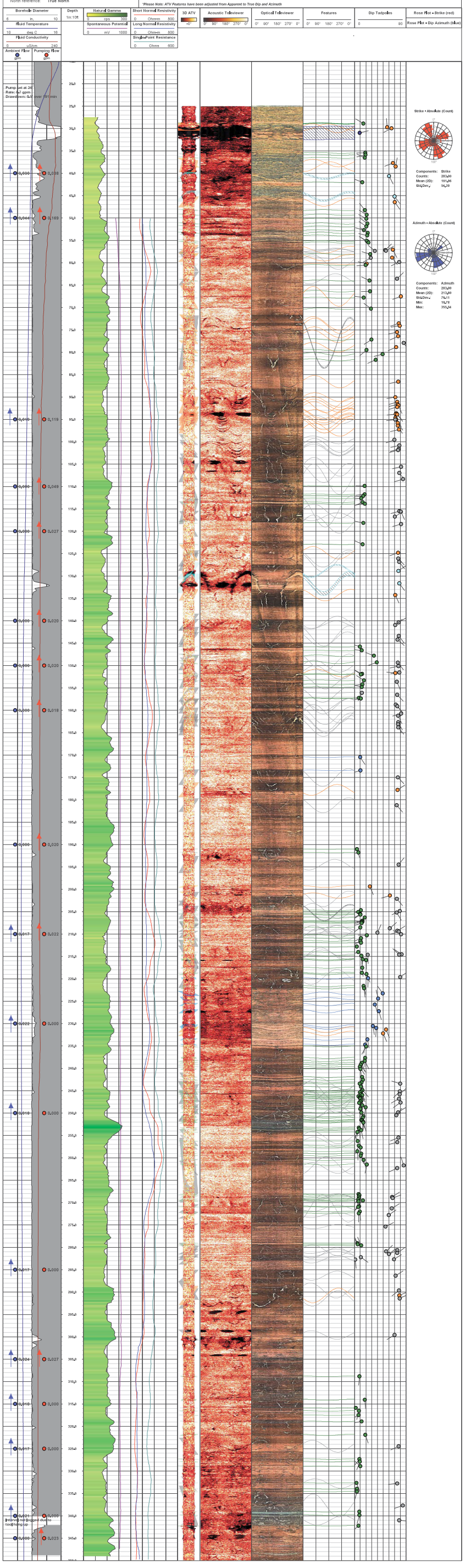
Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well G
Date: 10/24/22 - 10/26/22
Depth Reference: Ground Surface
Magnetic Declination: -11,95°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 13,0'
Casing Depth: 25'
Total Depth: 350'

Fracture · Hairline Fracture · Discontinuous Fracture · Discontinuous Hairline Fracture · Bedding Plane · Sealed Fracture

Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth



Earth Data Northeast, Inc.

Client: **HydroGeoLogic, Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well H**
Date: **10/31/22, 11/02/22**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.95°**
North reference: **True North**

Borehole Diameter: **8"**
Static Water Level: **14.36'**
Casing Depth: **25'**
Total Depth: **250'**

Fracture · Hairline Fracture · Discontinuous Fracture · Discontinuous Hairline Fracture · Bedding Plane / Change in Lithology · Sealed Fracture/Feature

**Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth*

Borehole Diameter 6 in. 10 | Fluid Temperature 10 deg C 16 | Fluid Conductivity 0 uS/cm 600 | Ambient Flow gpm | Pumping Flow gpm

Depth 1in:10ft

Natural Gamma 0 cps 300 | Spontaneous Potential 0 mV 1000

Short Normal Resistivity 0 Ohm-m 1000 | Long Normal Resistivity 0 Ohm-m 1000 | Single-Point Resistance 0 Ohms 400

3D ATV -0°

Acoustic Televiewer 0° 90° 180° 270° 0°

Optical Televiewer 0° 90° 180° 270° 0°

Features 0° 90° 180° 270° 0°

Dip Tadpoles 0 90

Rose Plot - Strike (red)

Rose Plot - Dip Azimuth (blue)

Pump set at 24
Rate: 0.55 gpm
Drawdown: 0.14' over 180 min

Ambient Flow: 0.023 · 0.030 · 0.032 · 0.020 · 0.028 · 0.039 · 0.020 · 0.020 · 0.020 · 0.027 · 0.000 · 0.000 · 0.000

Pumping Flow: 0.038 · 0.020 · 0.020 · 0.019 · 0.020 · 0.020 · 0.020 · 0.020 · 0.019 · 0.019 · 0.000 · 0.000 · 0.000

Strike - Absolute (Count)

Components: Strike
Counts: 168,00
Mean (2D): 159,09
Std.Dev.: 66,61

Azimuth - Absolute (Count)

Components: Azimuth
Counts: 168,00
Mean (2D): 225,57
Std.Dev.: 119,26
Min: 45,07
Max: 354,29

Earth Data Northeast, Inc.

Client: **HydroGeoLogic, Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well I**
Date: **10/26/22 - 10/28/22**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.95°**
North reference: **True North**

Borehole Diameter: **8"**
Static Water Level: **13.1'**
Casing Depth: **25'**
Total Depth: **200'**

Fracture · Hairline Fracture · Discontinuous Fracture · Discontinuous Hairline Fracture · Bedding Plane · Sealed Fracture

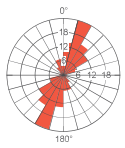
**Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth*

Borehole Diameter: 6 in. 10
Fluid Temperature: 10 deg C 16
Fluid Conductivity: 0 uS/cm 400
Ambient Flow gpm | Pumping Flow gpm
Depth: 1in:10ft
Natural Gamma: 0 cps 300
Spontaneous Potential: 0 mV 1000
Short Normal Resistivity: 0 Ohm-m 800
Long Normal Resistivity: 0 Ohm-m 800
Single-Point Resistance: 0 Ohms 600
3D OTV: -0°
Acoustic Televiewer: 0° 90° 180° 270° 0°
Optical Televiewer: 0° 90° 180° 270° 0°
Features: 0° 90° 180° 270° 0°
Dip Tadpoles: 0 90
Rose Plot - Strike (red)
Rose Plot - Dip Azimuth (blue)

Pump set at 24'
Rate: 0.54 gpm
Drawdown: 0.1' over 128 min

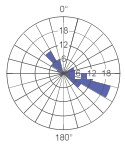
Depth	Ambient Flow	Pumping Flow
25.0	0.026	0.041
30.0		
35.0		
40.0		
45.0	0.036	0.057
50.0		
55.0		
60.0		
65.0	0.034	0.029
70.0		
75.0		
80.0	0.031	0.024
85.0		
90.0		
95.0	0.028	0.021
100.0		
105.0		
110.0	0.026	0.021
115.0		
120.0		
125.0	0.021	0.000
130.0		
135.0	0.021	0.000
140.0		
145.0	0.000	0.000
150.0		
155.0	0.000	0.000
160.0		
165.0	0.019	0.000
170.0		
175.0	0.020	0.000
180.0		
185.0	0.020	0.000
190.0		
195.0	0.024	0.000

Strike - Absolute (Count)



Components: Strike
Counts: 95.00
Mean (2D): 140.44
Std.Dev.: 54.06

Azimuth - Absolute (Count)



Components: Azimuth
Counts: 95.00
Mean (2D): 82.86
Std.Dev.: 88.88
Min: 7.69
Max: 346.04

Earth Data Northeast, Inc.

Client: **HydroGeoLogic, Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well J**
Date: **11/01/22, 11/04/22**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.95°**
North reference: **True North**

Borehole Diameter: **8"**
Static Water Level: **13.3'**
Casing Depth: **25'**
Total Depth: **200'**

Hairline Fracture · Discontinuous Fracture · Discontinuous Hairline Fracture · Bedding Plane · Sealed Fracture

**Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth*

Borehole Diameter 6 in. 10 | Depth 1in:10ft | Natural Gamma 0 cps 200 | Short Normal Resistivity 0 Ohm-m 400 | 3D ATV -0° | Acoustic Televiewer 0° 90° 180° 270° 0° | Optical Televiewer 0° 90° 180° 270° 0° | Features 0° 90° 180° 270° 0° | Dip Tadpoles 0 90 | Rose Plot - Strike (red)

Fluid Temperature 10 deg C 16 | Spontaneous Potential 0 mV 1000 | Long Normal Resistivity 0 Ohm-m 400 | Rose Plot - Dip Azimuth (blue)

Fluid Conductivity 0 uS/cm 240 | Single-Point Resistance 0 Ohms 440

Ambient Flow gpm | Pumping Flow gpm

Pump set at 24'
Rate: 0.625 gpm
Drawdown: 0.21' over 124 min

0.018 0.064
0.020 0.222
0.000 0.095
0.000 0.039
-0.055 0.138
-0.075 0.094
-0.050 0.151
0.000 0.052
0.077 0.036
0.000 0.028
0.000 0.028
0.000 0.018

Strike - Absolute (Count)

Components: Strike
Counts: 117.00
Mean (2D): 168.78
Std.Dev.: 60.15

Azimuth - Absolute (Count)

Components: Azimuth
Counts: 117.00
Mean (2D): 33.21
Std.Dev.: 80.93
Min: 40.10
Max: 358.99

July 19, 2023

Misty Kauffman
Project Manager
HydroGeoLogic, Inc.

Re: Results of Borehole Geophysical Logging:
North Penn 5 Superfund Site, Colmar, Pennsylvania

Well C, Well G Extension, Well H Shallow, Well H Extension, Well K

Dear Ms. Kauffman,

In response to your request, Earth Data Northeast, Inc. ("EDN") is pleased to provide HydroGeoLogic, Inc. ("HGL") with the following summary of borehole geophysical logging services conducted throughout February-May 2023 at the North Penn 5 Superfund Site in Colmar, PA.

Borehole Geophysical Logging

The following suite of geophysical logs was performed (as indicated by the "X") in all wells.* **

☒Fluid Temperature / Fluid Conductivity
☒Optical Televiewer ("OTV")
☒3-Arm Caliper
☒Natural Gamma
☒Electrical Resistivity Suite
- ☒Spontaneous Potential ("SP")
- ☒Single Point Resistance ("SPR")
- ☒Short & Long Normal Resistivity

☒Acoustic Televiewer ("ATV")
☒Heat Pulse Flowmeter (Ambient & Pumping Conditions)

* Acoustic Televiewer and Heat Pulse Flowmeter were omitted from the scope for Wells A and B due to severe borehole tilt angle.

** Heat Pulse Flowmeter was omitted from the scope for Well D due to severe borehole tilt angle.

Results of Borehole Geophysical Logging

Geophysical log composites that contain the data collected in each borehole are included as attachments. All depths referenced in this report are measured from below ground surface (bgs).

Features identified with the OTV and ATV are presented in both tabular and graphical format, referenced to True North, and can be found in the attachment. A qualitative classification of each feature, with respect to its aperture, was assigned according to the following criteria:

Fracture **–** prominent, dark sinusoidal line across the entire acoustic image with significant aperture; usually supported by the response of the 3-arm caliper.

Hairline Fracture **–** less evident, dark sinusoidal line spanning across the acoustic image with minimal aperture; may not be supported by caliper response.

Discontinuous Fracture (Hairline or otherwise) **–** shape of sinusoidal line is partially intact but does not span across entire acoustic image.

Bedding Plane **–** continuous sinusoidal line with minimal aperture, sometimes supported by changes in acoustic amplitude, often displaying consistent orientation patterns throughout geologic units.

Sealed Fracture **–** mineral filled sinusoidal fracture, may be reflective and prominent on optical televiewer image while not visible on acoustic televiewer image.

Characterization of features was aided by software provided by the geophysical tool manufacturer. More features may exist than were identified.

Data collected by the Heat Pulse Flowmeter are presented in tabular format, and can be found within the body of this report. While reviewing heat pulse data, please note the following:

- Inflow zones (water flowing into the borehole) are generally observed where flow directions diverge from an area/feature within the borehole or increase in strength while moving in the same direction.

- Outflow zones (water flowing out of the borehole and into the formation) are generally observed where flow directions converge on an area/feature or decrease in strength while moving in the same direction.

- According to its manufacturer, the operating range of the heat pulse probe is 0.03 to 1.0 gpm.

- It is important to note that the open borehole creates a conduit for water to flow between fractures. Therefore, flow patterns may not be indicative of the natural conditions that existed prior to the commencement of drilling operations.

Well C

Well diameter: 8" nominal
Total depth: 400'
Casing depth: 45'
Static water level: 8.44'

Field observations / Remarks:

Hydrogeologic Observations:

- Change in fluid conductivity between 223'-227', consistent with discontinuous fracture location.
- Change in fluid conductivity and temperature between 60'-68', consistent with discontinuous fracture location.
- Slight change in fluid conductivity and temperature between 352'-355' and 375'-377', consistent with discontinuous fracture locations.
- Heat pulse flowmeter under pumping conditions was not tested due to strong ambient flow throughout the borehole.

Geologic Observations:

- Bedding planes observed throughout most of open borehole dipping primarily WNW with dip angles generally ranging between 15°-25°.
- Numerous sealed/mineralized fractures observed throughout borehole.
- Multiple of prominent discontinuous fractures observed between 64'-67'.
- Bedding-parallel discontinuous fracture observed at 116', dipping WNW at a dip angle ~24°.
- Discontinuous fractures observed between 120'-122', 124'-126', 130'-133', and 222'-225', dipping ESE at a dip angle ~24°.
- Fracture observed between 129'-132', dipping ESE at a dip angle ~46°.
- Fracture observed at 253' dipping WNW at a dip angle ~15°.
- Pair of discontinuous fractures observed between 316'-318', dipping WNW at a dip angle ~25°.
- Discontinuous fracture observed between 352'-355', dipping WNW at a dip angle ~87°.
- Set of discontinuous fractures observed between 368'-373', consistent with increase in borehole diameter.

Features Traced: 381 (see feature summary table and log composite attached)
Primary Strike Orientation: North-Northeast—South-Southwest
Primary Dip Direction: West-Northwest

Borehole Deviation (Well C)

- Tilt and azimuth data recorded by the OTV and ATV probe indicate that this borehole deviates significantly with depth, reaching a maximum tilt angle of 25°. By terminal depth, this deviation results in an 83 ft lateral drift to the ESE from the borehole's surface location. (See bull's eye deviation plot and cylindrical deviation plot attached).

Heat pulse flowmeter results (Well C):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
56'	No Flow	0.000	Not tested	n/a
80'	**Upward**	**0.988**	Not tested	n/a
112'	**Upward**	**0.884**	Not tested	n/a
140'	**Upward**	**0.774**	Not tested	n/a
170'	**Upward**	**0.382**	Not tested	n/a
205'	**Upward**	**0.278**	Not tested	n/a
215'	**Upward**	**0.244**	Not tested	n/a
241'	**Upward**	**0.206**	Not tested	n/a
265.5'	**Upward**	**0.183**	Not tested	n/a
300'	**Upward**	**0.164**	Not tested	n/a
312'	**Upward**	**0.130**	Not tested	n/a
333'	**Upward**	**0.094**	Not tested	n/a
359'	No flow	0.000	Not tested	n/a
375'	No flow	0.000	Not tested	n/a

Inflow: Under ambient conditions, inflow zones appear to exist between 80'-359'.

Outflow: Under ambient conditions, an outflow zone appears to exist between 56'-80'.

Well G Extension

Well diameter: 8" nominal
Total depth: 498.7' (previously 350')
Casing depth: 25'
Static water level: 13.0'

Field observations / Remarks:

Hydrogeologic Observations:
- Slight change in fluid conductivity between 425'-430', consistent with fracture location.
- Heat pulse flowmeter under pumping conditions was tested, but the data is not included in this report as the data could not be located.

Geologic Observations:
- Numerous high-angle sealed/mineralized fractures (> 50°) observed throughout borehole.
- Numerous discontinuous hairline fractures observed throughout the borehole.
- Numerous bedding plane fractures observed throughout the borehole, generally dipping West at a dip angle ~15°.
- Distinct lithology changes observed throughout the borehole, consistent with color changes on OTV image and natural gamma.
- Fracture observed between 428'-429' dipping SE at a dip angle ~57°.

Features Traced: 174 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well G Extension):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM
350'	**Upward**	**0.020**
385'	**Upward**	**0.025**
400'	**Upward**	**0.018**
425'	**Upward**	**0.019**
450'	**Upward**	**0.030**
480'	**Upward**	**0.035**

Inflow: No conclusive inflow zones were identified.

Outflow: No conclusive outflow zones were identified.

Well H Shallow

Well diameter: 8" nominal
Total depth: 83.5'
Casing depth: 25'
Static water level: 22.5'

Field observations / Remarks:

Hydrogeologic Observations:

- Slight temperature and conductivity change between 40'-45', consistent with fracture location.
- Temperature and conductivity change between 78'-82', consistent with fracture location.
- Heat pulse flowmeter under pumping conditions was skipped with approval from HGL.

Geologic Observations:

- Multiple discontinuous fractures observed throughout the borehole with varying dip angles and directions, consistent with OTV/ATV images and an increase in borehole diameter.
- Multiple discontinuous hairline fractures observed throughout the borehole.
- Fractures observed between 41'-47', consistent with significant increase in borehole diameter and visible on OTV/ATV image.
- Lithology change observed between 61'-65', as seen on OTV image.

Features Traced: 50 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well H Shallow):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM
40'	**Upward**	**0.027**
66'	**Upward**	**0.052**
70'	No flow	0.000

Inflow: No conclusive inflow zones were identified.

Outflow: No conclusive outflow zones were identified.

Well H Extension

Well diameter: 8" nominal
Total depth: 500' (previously 250')
Casing depth: 10'
Static water level: 11.3'

Field observations / Remarks:

Hydrogeologic Observations:

- No significant fluid temperature or conductivity changes observed.
- No conclusive inflow or outflow zones were identified.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.25 gpm), water level drew down 0.05'over 63 minutes.

Geologic Observations:

- Numerous bedding planes observed throughout the borehole, generally dipping West with dip angles ~11°.
- Multiple lithology changes observed throughout the borehole, supported by color change on OTV image, and natural gamma.
- Numerous sealed fractures observed throughout the borehole, generally dipping South with dip angles ~48°.
- Numerous discontinuous hairline fractures observed throughout the borehole, generally dipping SW with dip angles ~48°.
- High natural gamma (~15000 cps) observed between 365'-380', corresponding with color change on OTV image.

Features Traced: 349 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well H Extension):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
350'	**Downward**	**-0.019**	**Downward**	**0.017**
380'	No Flow	0.000	No Flow	0.000
401'	No Flow	0.000	No Flow	0.000
429'	No Flow	0.000	No Flow	0.000
449'	No Flow	0.000	No Flow	0.000
469'	No Flow	0.000	No Flow	0.000

Inflow: No conclusive inflow zones were identified.

Outflow: No conclusive outflow zones were identified.

Well K

Well diameter: 8" nominal
Total depth: 250'
Casing depth: 35'
Static water level: 8.21'

Field observations / Remarks:

Hydrogeologic Observations:
- No significant changes in fluid temperature or conductivity observed.
- During pumping phase of heat pulse flowmeter testing (pumping at 0.47 gpm), water level drew down 0.27'over 87 minutes.

Geologic Observations:
- Numerous hairline fractures, discontinuous or otherwise, observed throughout the borehole with varying dip angles and directions.
- Numerous bedding planes/lithology changes observed throughout the borehole, generally dipping E, SE, or S, with dip angles ranging from 20°-60°.
- Discontinuous fracture observed between 91'-97', dipping NW with a dip angle ~73°.
- Discontinuous fracture observed between 215'-219', dipping SE with a dip angle ~77°.

Features Traced: 218 (see feature summary table and log composite attached)

Heat pulse flowmeter results (Well K):

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM	Pumping Flow Direction	Pumping Rate in GPM
51'	**Downward**	**-0.020**	**Upward**	**0.062**
108	No Flow	0.000	**Upward**	**0.079**
138'	No Flow	0.000	**Upward**	**0.053**
170'	No Flow	0.000	**Upward**	**0.049**
201'	No Flow	0.000	No Flow	0.000
230'	No Flow	0.000	No Flow	0.000

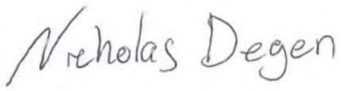
Inflow: No conclusive inflow zones were identified.

Outflow: No conclusive outflow zones were identified.

This summary of the geophysical logging data was prepared at the request of HGL, for their sole use and interpretation. All data was collected and managed using generally accepted practices. No other warranty, express or implied, is made.

If you should have any further questions or comments, please feel free to contact me at (610) 906-7066 or via email at ndegen@earthdatane.com.

Sincerely,



Nicholas Degen
Staff Geoscientist
Earth Data Northeast, Inc.

EDN
Earth Data Northeast, Inc.

Client: HydroGeoLogic, Inc.
Location: North Penn 5 Superfund Site
Well Name: Well C
Date: 2/28/23, 3/1/23
Depth Reference: Ground Surface
Magnetic Declination: -11.56°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 8.44'
Casing Depth: 45'
Total Depth: 400'

Fracture | Hairline Fracture | Discontinuous Fracture | Discontinuous Hairline Fracture | Bedding Plane / Change in Lithology | Sealed Fracture/Feature

*Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth

Borehole Diameter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Rose Plot - Strike (red)
6 in 10	1in:10ft	0 cps 200	0 Ohm-m 600	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	Rose Plot - Dip Azimuth (blue)
Fluid Temperature		Spontaneous Potential	Long Normal Resistivity					
11 deg.C 14		0 mV 1000	0 Ohm-m 300					
Fluid Conductivity			Single-Point Resistance					
100 uS/cm 200			0 Ohms 400					
Ambient Flow								

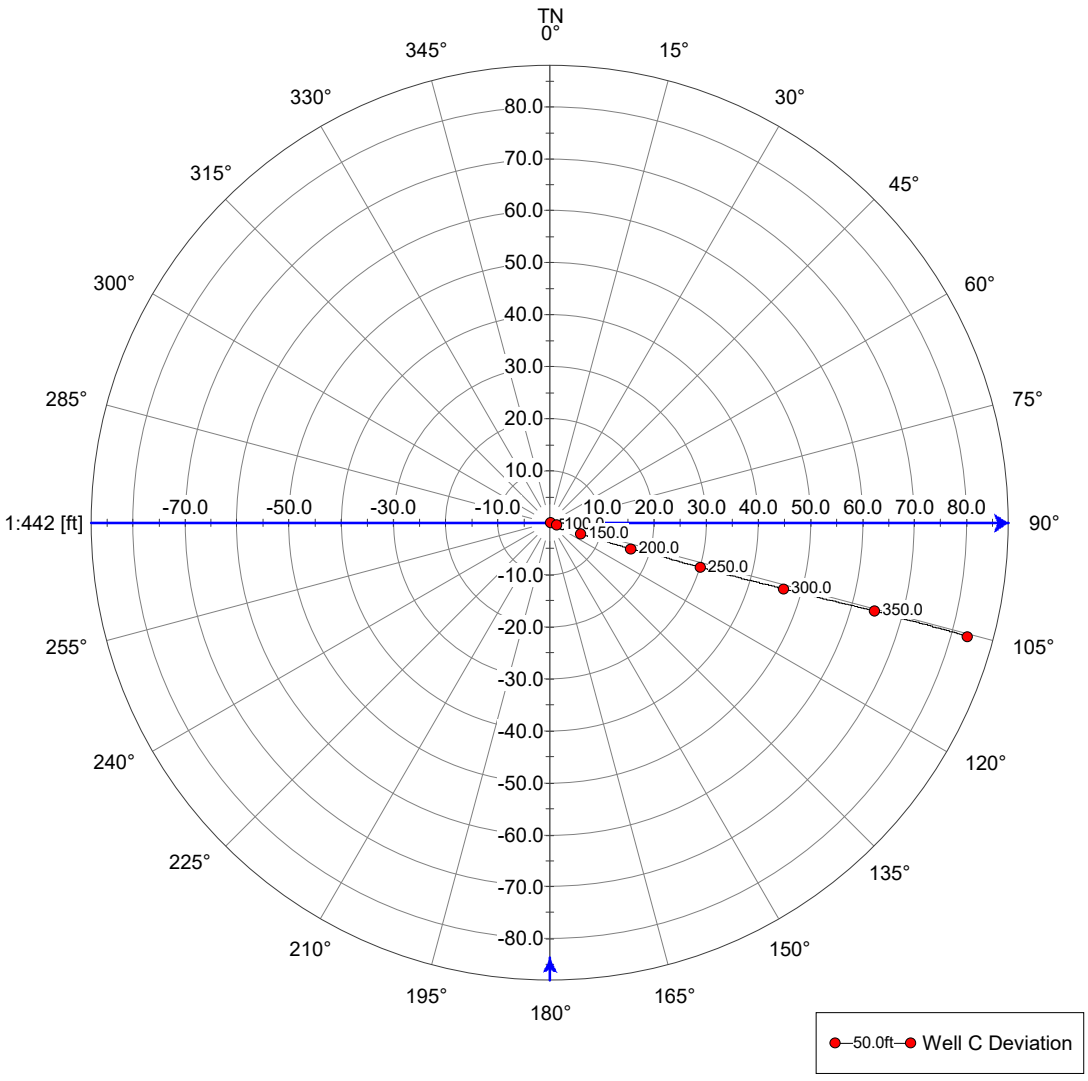
0,000
0,988
0,884
0,774
0,382
0,278
0,244
0,206
0,183
0,164
0,130
0,094
0,000
0,000

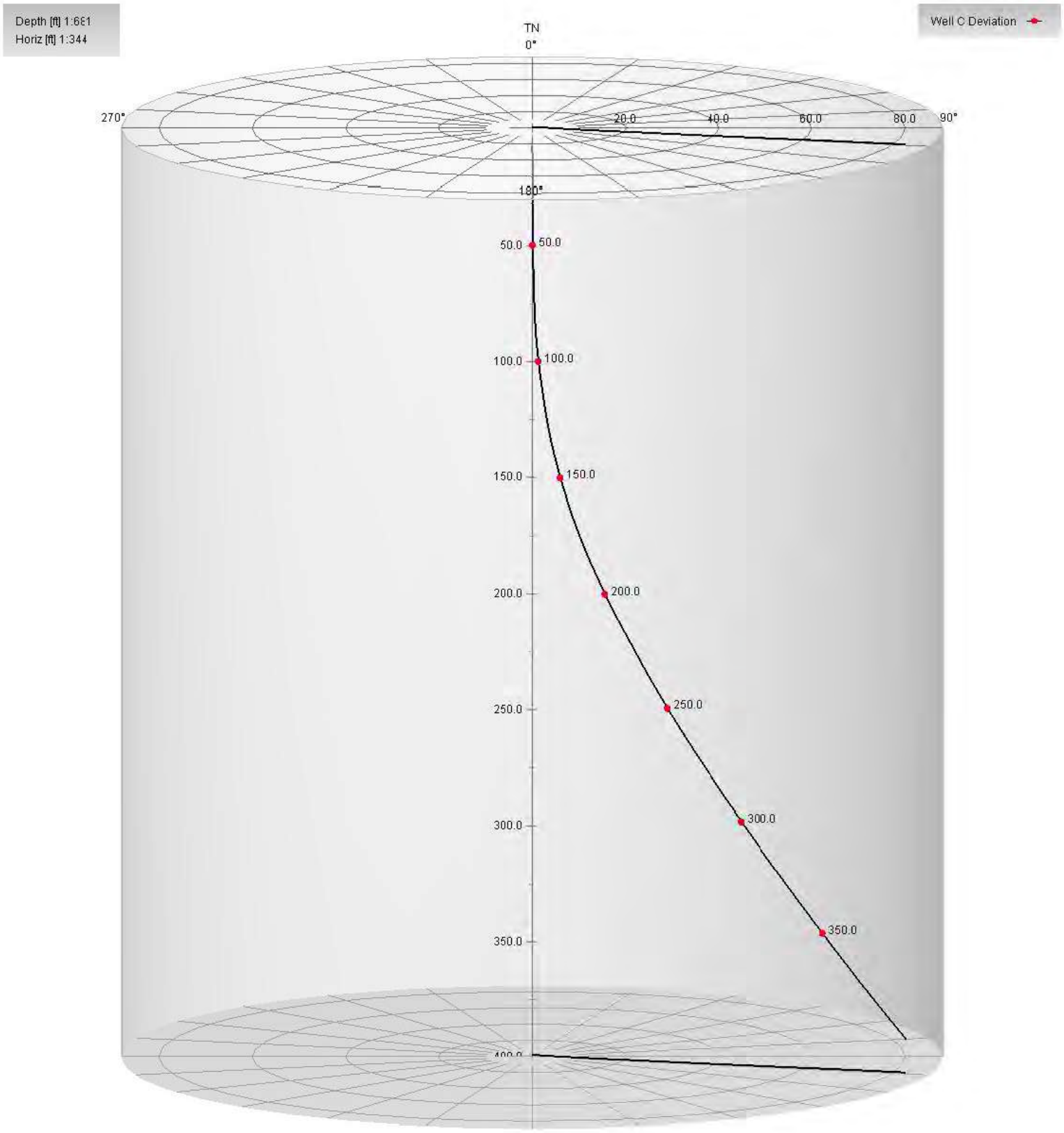
Strike - Absolute (Count)

Components: Strike
Counts: 381.00
Mean (2D): 126.13
Std.Dev.: 44.16

Azimuth - Absolute (Count)

Components: Azimuth
Counts: 381.00
Mean (3D): 310.51
Min: 5.97
Max: 340.96


TN
0°
15°
30°
45°
60°
75°
90°
105°
120°
135°
150°
165°
180°
195°
210°
225°
240°
255°
270°
285°
300°
315°
330°
345°
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-70.0
-50.0
-30.0
-10.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
1:442 [ft]
100.0
150.0
200.0
250.0
300.0
350.0
50.0ft
Well C Deviation


Depth [ft] 1:661
Horiz [ft] 1:344
Well C Deviation
TN
0°
270°
90°
180°
20.0
40.0
60.0
80.0
50.0
50.0
100.0
100.0
150.0
150.0
200.0
200.0
250.0
250.0
300.0
300.0
350.0
350.0

Earth Data Northeast, Inc.

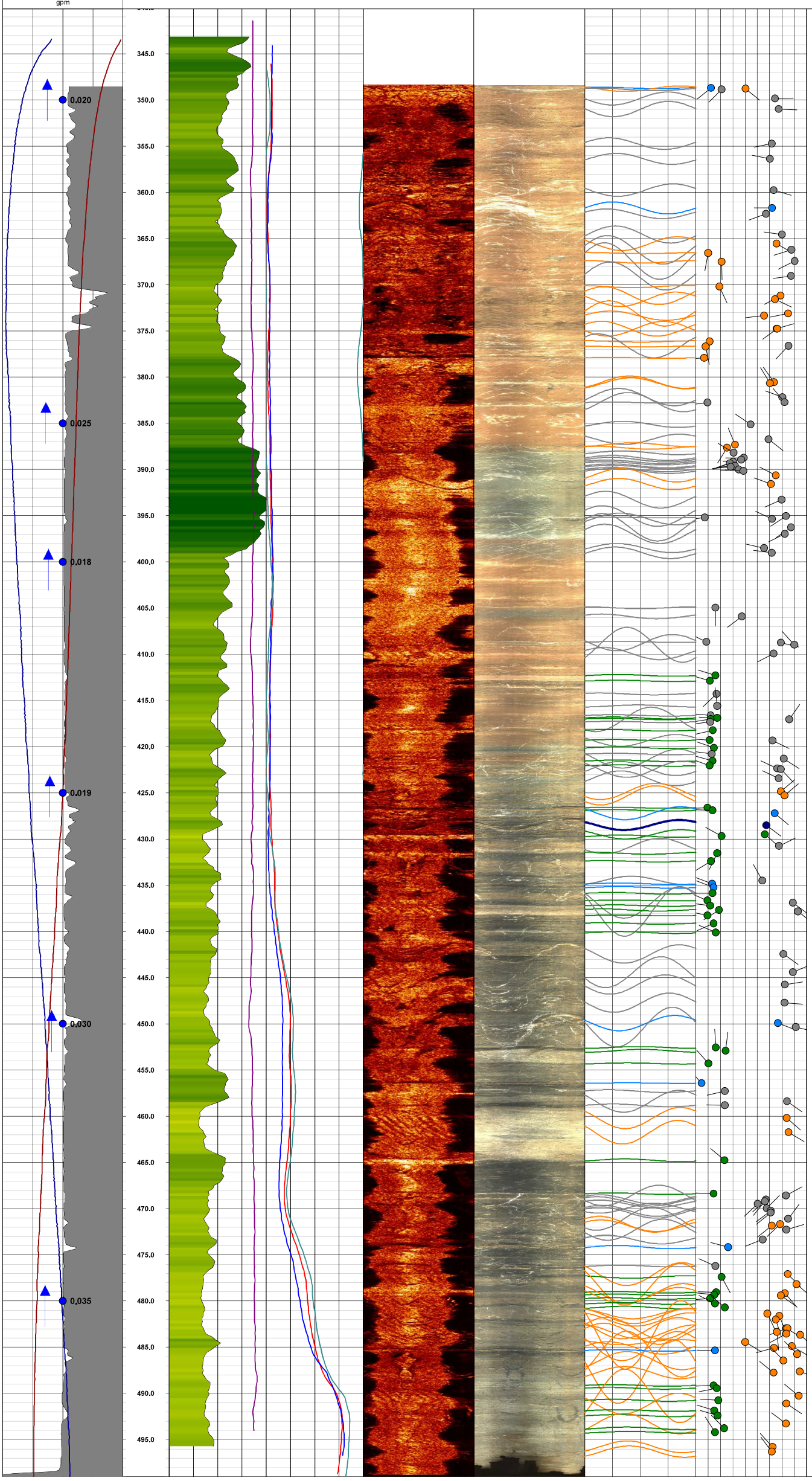
Client: **HydroGeoLogic, Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well G Extension**
Date: **03/24/2023**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.93°**
North reference: **True North**

Borehole Diameter: **8"**
Static Water Level: **13.0'**
Casing Depth: **25'**
Total Depth: **498.7'**

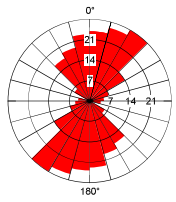
Fracture · Hairline Fracture · Discontinuous Hairline Fracture · Bedding Plane / Change in Lithology · Sealed Fracture/Feature

**Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth*

Borehole Diameter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Rose Plot - Strike (red)
6 in. 10	1in:10ft	0 cps 200	0 Ohm-m 8000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	Rose Plot - Dip Azimuth (blue)
Fluid Temperature		**Spontaneous Potential**	**Long Normal Resistivity**					
12 deg C 13		0 mV 1000	0 Ohm-m 16000					
Fluid Conductivity			**Single-Point Resistance**					
200 uS/cm 600			0 Ohms 1600					
Ambient Flow gpm								

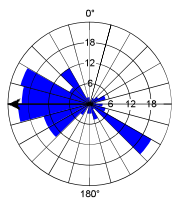


Strike - Absolute (Count)



Components:	Strike
Counts:	174.00
Mean (2D):	163.06
Std.Dev.:	68.95

Azimuth - Absolute (Count)



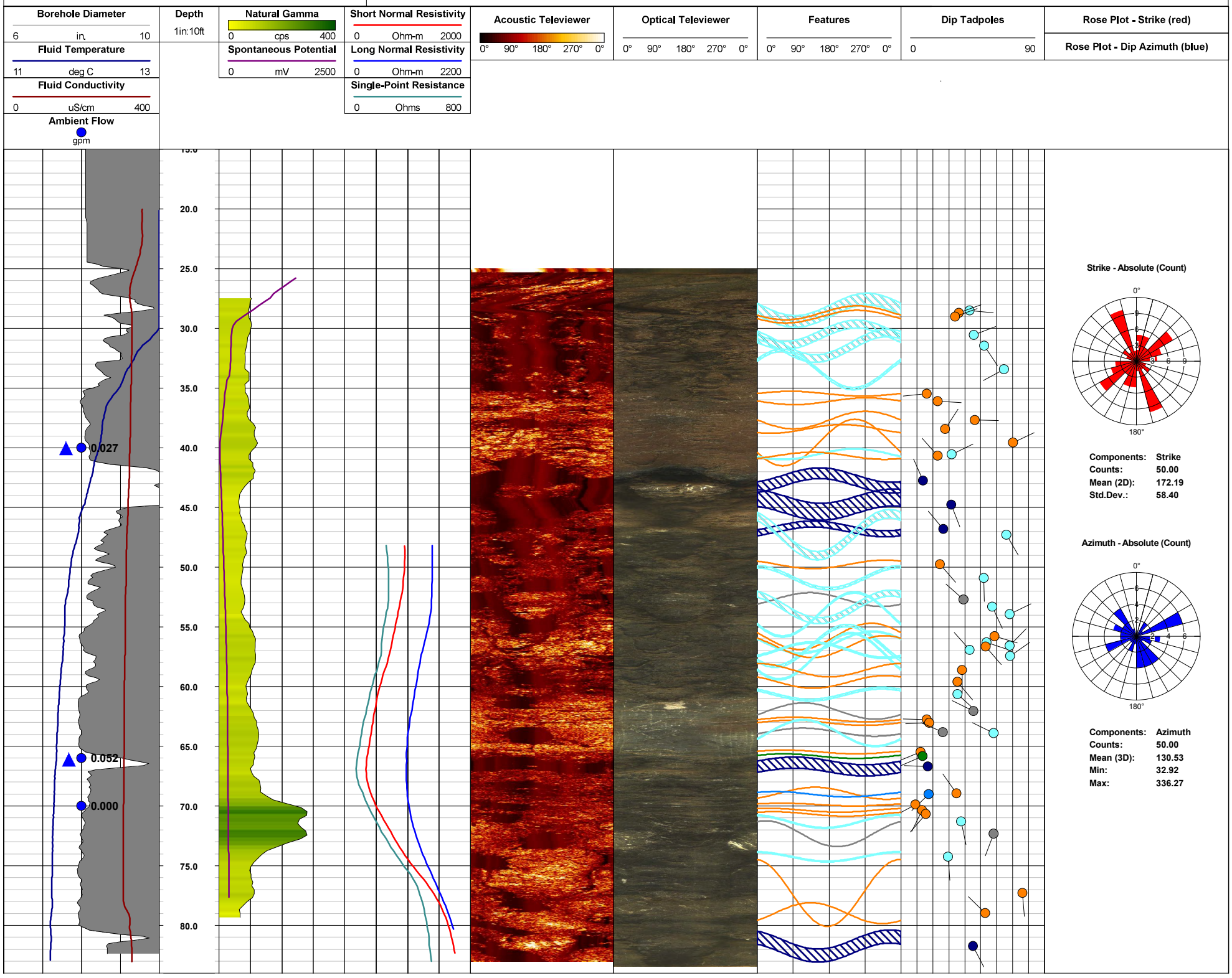
Components:	Azimuth
Counts:	174.00
Mean (3D):	270.03
Min:	6.32
Max:	356.46

Earth Data Northeast, Inc.

Client: **HydroGeoLogic Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well H Shallow**
Date: **03/13/2023**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.93°**
North reference: **True North**

Borehole Diameter: **8"**
Static Water Level: **22.5'**
Casing Depth: **25'**
Total Depth: **83.5'**

Fracture
Hairline Fracture
Discontinuous Fracture
Discontinuous Hairline Fracture
Bedding Plane / Change in Lithology
Sealed Fracture/Feature



Components: Strike
Counts: 50.00
Mean (2D): 172.19
Std.Dev.: 58.40

Components: Azimuth
Counts: 50.00
Mean (3D): 130.53
Min: 32.92
Max: 336.27

EDN
Earth Data Northeast, Inc.

Client: HydroGeoLogic Inc.
Location: North Penn 5 Superfund Site
Well Name: Well H Extension
Date: 04/10/2023 - 04/11/2023
Depth Reference: Ground Surface
Magnetic Declination: -11.56°
North reference: True North

Borehole Diameter: 8"
Static Water Level: 11.3'
Casing Depth: 10'
Total Depth: 500'

Hairline Fracture | Discontinuous Fracture | Discontinuous Hairline Fracture
Bedding Plane / Change in Lithology | Sealed Fracture/Feature

*Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth

Borehole Diameter 7 in. 9
Fluid Temperature 11 deg C 13
Fluid Conductivity 200 uS/cm 400
Ambient Flow gpm | Pumping Flow gpm
Depth 1in:10ft
Natural Gamma 0 cps 200
Spontaneous Potential 0 mV 1000
Short Normal Resistivity 0 Ohm-m 1200
Long Normal Resistivity 0 Ohm-m 1200
Single-Point Resistance 0 Ohms 800
Acoustic Televiewer 0° 90° 180° 270° 0°
Optical Televiewer 0° 90° 180° 270° 0°
Features 0° 90° 180° 270° 0°
Dip Tadpoles 0 90
Rose Plot - Strike (red)
Rose Plot - Dip Azimuth (blue)

Pump set to 22'.
Rate: 0.25 gpm.
Drawdown: 0.43' over 63 minutes.

-0.019 -0.017
0.000 0.000
0.000 0.000
0.000 0.000
0.000 0.000
0.000 0.000

Strike - Absolute (Count)

Components: Strike
Counts: 349.00
Mean (2D): 137.13
Std.Dev.: 71.80

Azimuth - Absolute (Count)

Components: Azimuth
Counts: 349.00
Mean (3D): 272.96
Min: 42.30
Max: 351.67

EDN
Earth Data Northeast, Inc.

Client: **HydroGeoLogic Inc.**
Location: **North Penn 5 Superfund Site**
Well Name: **Well K**
Date: **04/13/23 - 04/14/23**
Depth Reference: **Ground Surface**
Magnetic Declination: **-11.56°**
North reference: **True North**

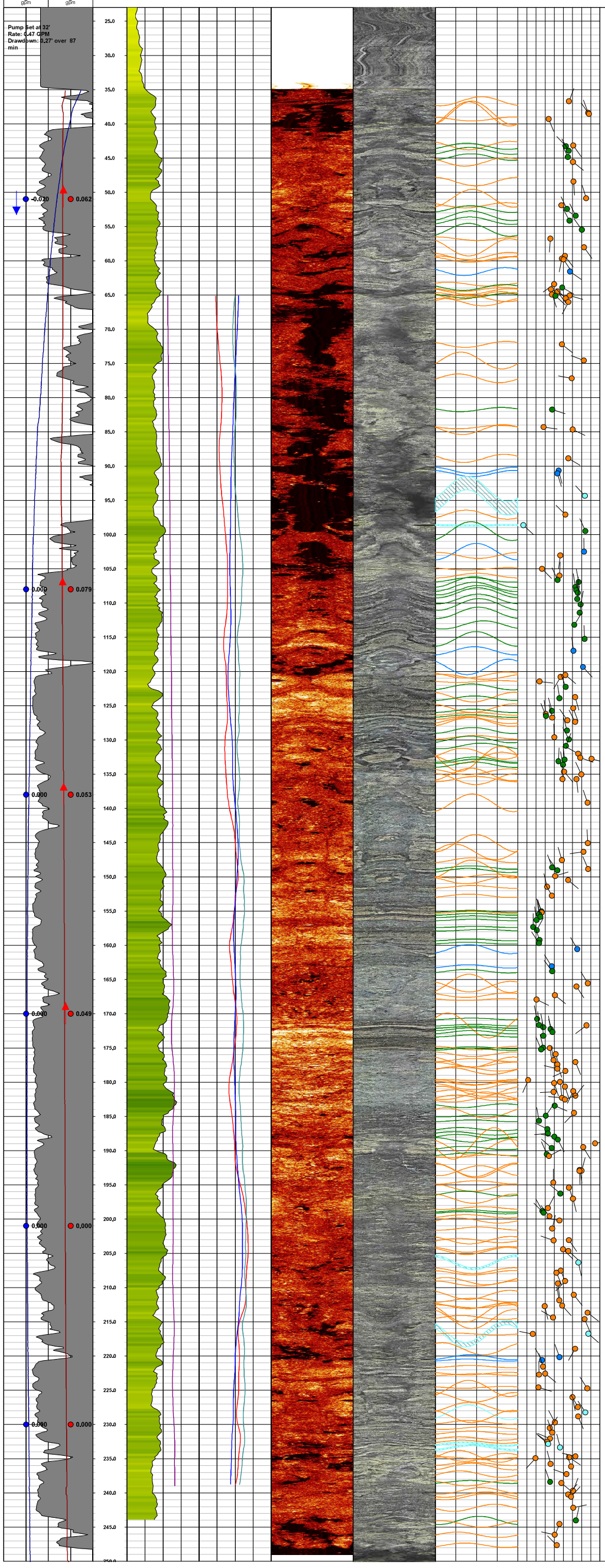
Borehole Diameter: **8"**
Static Water Level: **8.21'**
Casing Depth: **35'**
Total Depth: **250'**

Hairline Fracture
Discontinuous Fracture
Discontinuous Hairline Fracture
Bedding Plane / Change in Lithology

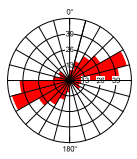
**Please Note: ATV Features have been adjusted from Apparent to True Dip and Azimuth*

Borehole Diameter 7 in 10
Fluid Temperature 10 deg C 13
Fluid Conductivity 0 uS/cm 200
Ambient Flow gpm | Pumping Flow gpm
Depth 1in:10ft
Natural Gamma 0 cps 200
Spontaneous Potential 0 mV 1000
Short Normal Resistivity 0 Ohm-m 200
Long Normal Resistivity 0 Ohm-m 200
Single-Point Resistance 0 Ohms 400
Acoustic Televiewer 0° 90° 180° 270° 0°
Optical Televiewer 0° 90° 180° 270° 0°
Features 0° 90° 180° 270° 0°
Dip Tadpoles 0 90
Rose Plot - Strike (red)
Rose Plot - Dip Azimuth (blue)

Pump Set at 32'
Rate: 0.47 GPM
Drawdown: 0.27' over 87 min

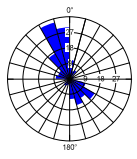


Strike - Absolute (Count)



Components: Strike
Counts: 218.00
Mean (2D): 159.49
Std.Dev.: 34.82

Azimuth - Absolute (Count)



Components: Azimuth
Counts: 218.00
Mean (3D): 338.93
Min: 0.53
Max: 359.46

ATTACHMENT 3

TRANSDUCER LOCATION SUMMARY

Borehole A Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35D	RI-35DD	RI-35DI	RI-35I	RI-35S
		Top	Bottom			RI-35D_221018150849_U8963	RI-35DD_221018150124_W9377	RI-35DI_221018145936_V4159	RI-35I_221018150403_W9379	RI-35S_221018150632_V7124
10/12/2022	A	25	50	11:15	11:45	X	X	X	X	X
10/12/2022	A	50	75	11:47	11:58	X	X	X	X	X
10/12/2022	A	75	100	12:00	12:13	X	X	X	X	X
10/12/2022	A	100	125	12:15	12:37	X	X	X	X	X
10/12/2022	A	125	150	12:39	12:55	X	X	X	X	X
10/12/2022	A	150	175	13:26	13:44	X	X	X	X	X
10/12/2022	A	175	200	13:46	14:06	X	X	X	X	X
10/12/2022	A	200	225	14:10	14:42	X	X	X	X	X
10/12/2022	A	225	250	14:45	15:13	X	X	X	X	X
10/12/2022	A	250	275	15:15	15:43	X	X	X	X	X
10/12/2022	A	275	300	15:46	16:20	X	X	X	X	X
10/12/2022	A	300	325	16:46	17:15	X	X	X	X	X
10/12/2022	A	325	350	17:17	17:39	X	X	X	X	X
10/12/2022	A	350	375	17:55	18:30	X	X	X	X	X
10/12/2022	A	375	400	18:35	19:10	X	X	X	X	X
10/12/2022	A	400	405	19:12	19:40	X	X	X	X	X

Borehole A Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-38D	RI-38I	RI-39D	RI-39I	RI-41D
		Top	Bottom			RI-38D_221018131426_V7125	RI-38I_221018133608_W9388	RI-39D_221018152009_W9392	RI-39I_221018152146_W9373	RI-41D_221018140726_V7095
10/12/2022	A	25	50	11:15	11:45	X	X	X	X	X
10/12/2022	A	50	75	11:47	11:58	X	X	X	X	X
10/12/2022	A	75	100	12:00	12:13	X	X	X	X	X
10/12/2022	A	100	125	12:15	12:37	X	X	X	X	X
10/12/2022	A	125	150	12:39	12:55	X	X	X	X	X
10/12/2022	A	150	175	13:26	13:44	X	X	X	X	X
10/12/2022	A	175	200	13:46	14:06	X	X	X	X	X
10/12/2022	A	200	225	14:10	14:42	X	X	X	X	X
10/12/2022	A	225	250	14:45	15:13	X	X	X	X	X
10/12/2022	A	250	275	15:15	15:43	X	X	X	X	X
10/12/2022	A	275	300	15:46	16:20	X	X	X	X	X
10/12/2022	A	300	325	16:46	17:15	X	X	X	X	X
10/12/2022	A	325	350	17:17	17:39	X	X	X	X	X
10/12/2022	A	350	375	17:55	18:30	X	X	X	X	X
10/12/2022	A	375	400	18:35	19:10	X	X	X	X	X
10/12/2022	A	400	405	19:12	19:40	X	X	X	X	X

Borehole A Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-41S	Well E	Well F
		Top	Bottom			RI-41S_221018140249_V4162	Well E_221018143119_V7104	Well F_221018143947_V7116
10/12/2022	A	25	50	11:15	11:45	X	X	X
10/12/2022	A	50	75	11:47	11:58	X	X	X
10/12/2022	A	75	100	12:00	12:13	X	X	X
10/12/2022	A	100	125	12:15	12:37	X	X	X
10/12/2022	A	125	150	12:39	12:55	X	X	X
10/12/2022	A	150	175	13:26	13:44	X	X	X
10/12/2022	A	175	200	13:46	14:06	X	X	X
10/12/2022	A	200	225	14:10	14:42	X	X	X
10/12/2022	A	225	250	14:45	15:13	X	X	X
10/12/2022	A	250	275	15:15	15:43	X	X	X
10/12/2022	A	275	300	15:46	16:20	X	X	X
10/12/2022	A	300	325	16:46	17:15	X	X	X
10/12/2022	A	325	350	17:17	17:39	X	X	X
10/12/2022	A	350	375	17:55	18:30	X	X	X
10/12/2022	A	375	400	18:35	19:10	X	X	X
10/12/2022	A	400	405	19:12	19:40	X	X	X

Borehole B Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35D	RI-35DD	RI-35DI	RI-35I	RI-35S
		Top	Bottom			RI-35D_221018150849_U8963	RI-35DD_221018150124_W9377	RI-35DI_221018145936_V4159	RI-35I_221018150403_W9379	RI-35S_221018150632_V7124
10/13/2022	B	25	50	14:05	14:35	X	X	X	X	X
10/13/2022	B	50	75	14:40	15:02	X	X	X	X	X
10/13/2022	B	75	100	15:35	16:02	X	X	X	X	X
10/13/2022	B	100	125	16:04	16:28	X	X	X	X	X
10/13/2022	B	125	150	16:30	16:45	X	X	X	X	X
10/14/2022	B	150	175	9:43	10:00	X	X	X	X	X
10/14/2022	B	175	200	10:25	10:45	X	X	X	X	X
10/14/2022	B	200	225	10:47	10:59	X	X	X	X	X
10/14/2022	B	225	250	11:45	12:03	X	X	X	X	X
10/14/2022	B	250	275	12:05	12:21	X	X	X	X	X
10/14/2022	B	275	300	12:23	14:10	X	X	X	X	X
10/14/2022	B	300	325	14:15	15:03	X	X	X	X	X
10/14/2022	B	325	350	16:55	17:40	X	X	X	X	X
10/17/2022	B	350	375	9:30	10:03	X	X	X	X	X
10/17/2022	B	375	400	10:07	10:35	X	X	X	X	X
10/17/2022	B	400	405	10:41	10:52	X	X	X	X	X

Borehole B Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-38D	RI-38I	RI-39D	RI-39I	RI-41D
		Top	Bottom			RI-38D_221018131426_V7125	RI-38I_221018133608_W9388	RI-39D_221018152009_W9392	RI-39I_221018152146_W9373	RI-41D_221018140726_V7095
10/13/2022	B	25	50	14:05	14:35	X	X	X	X	X
10/13/2022	B	50	75	14:40	15:02	X	X	X	X	X
10/13/2022	B	75	100	15:35	16:02	X	X	X	X	X
10/13/2022	B	100	125	16:04	16:28	X	X	X	X	X
10/13/2022	B	125	150	16:30	16:45	X	X	X	X	X
10/14/2022	B	150	175	9:43	10:00	X	X	X	X	X
10/14/2022	B	175	200	10:25	10:45	X	X	X	X	X
10/14/2022	B	200	225	10:47	10:59	X	X	X	X	X
10/14/2022	B	225	250	11:45	12:03	X	X	X	X	X
10/14/2022	B	250	275	12:05	12:21	X	X	X	X	X
10/14/2022	B	275	300	12:23	14:10	X	X	X	X	X
10/14/2022	B	300	325	14:15	15:03	X	X	X	X	X
10/14/2022	B	325	350	16:55	17:40	X	X	X	X	X
10/17/2022	B	350	375	9:30	10:03	X	X	X	X	X
10/17/2022	B	375	400	10:07	10:35	X	X	X	X	X
10/17/2022	B	400	405	10:41	10:52	X	X	X	X	X

Borehole B Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-41S	Well E	Well F
		Top	Bottom			RI-41S_221018140249_V4162	Well E_221018143119_V7104	Well F_221018143947_V7116
10/13/2022	B	25	50	14:05	14:35	X	X	X
10/13/2022	B	50	75	14:40	15:02	X	X	X
10/13/2022	B	75	100	15:35	16:02	X	X	X
10/13/2022	B	100	125	16:04	16:28	X	X	X
10/13/2022	B	125	150	16:30	16:45	X	X	X
10/14/2022	B	150	175	9:43	10:00	X	X	X
10/14/2022	B	175	200	10:25	10:45	X	X	X
10/14/2022	B	200	225	10:47	10:59	X	X	X
10/14/2022	B	225	250	11:45	12:03	X	X	X
10/14/2022	B	250	275	12:05	12:21	X	X	X
10/14/2022	B	275	300	12:23	14:10	X	X	X
10/14/2022	B	300	325	14:15	15:03	X	X	X
10/14/2022	B	325	350	16:55	17:40	X	X	X
10/17/2022	B	350	375	9:30	10:03	X	X	X
10/17/2022	B	375	400	10:07	10:35	X	X	X
10/17/2022	B	400	405	10:41	10:52	X	X	X

Borehole C Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35D	RI-35DI	RI-35I	RI-35S	RI-38D
		Top	Bottom			RI-35D_221108122847_U8963	RI-35DI_221108121841_V4159	RI-35I_221108121254_W9379	RI-35S_221108122633_V7124	RI-38D_221108095000_V4162
11/3/2022	C	25	50	9:45	10:15	X	X	X	X	X
11/3/2022	C	50	75	10:17	10:47	X	X	X	X	X
11/3/2022	C	75	100	10:47	10:59	X	X	X	X	X
11/3/2022	C	100	125	11:02	11:32	X	X	X	X	X
11/3/2022	C	125	150	12:05	12:21	X	X	X	X	X
11/3/2022	C	150	175	12:23	13:00	X	X	X	X	X
11/3/2022	C	175	200	13:26	13:44	X	X	X	X	X
11/3/2022	C	200	225	13:46	14:06	X	X	X	X	X
11/3/2022	C	225	250	14:11	14:43	X	X	X	X	X
11/3/2022	C	250	275	14:46	15:15	X	X	X	X	X
11/3/2022	C	275	300	15:17	15:43	X	X	X	X	X
11/3/2022	C	300	325	15:46	16:20	X	X	X	X	X
11/3/2022	C	325	350	16:26	17:15	X	X	X	X	X
11/3/2022	C	350	375	17:17	17:39	X	X	X	X	X
11/3/2022	C	375	400	17:55	18:32	X	X	X	X	X
11/3/2022	C	400	405	18:35	18:51	X	X	X	X	X

Borehole C Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-38I	RI-39D	RI-39I	Well A	Well B
		Top	Bottom			RI-38I_221108095431_V7095	RI-39D_221108101318_W9392	RI-39I_221108101103_9373	New A_221108122115_V7125	New B_221108121552_W9388
11/3/2022	C	25	50	9:45	10:15	X	X	X	X	X
11/3/2022	C	50	75	10:17	10:47	X	X	X	X	X
11/3/2022	C	75	100	10:47	10:59	X	X	X	X	X
11/3/2022	C	100	125	11:02	11:32	X	X	X	X	X
11/3/2022	C	125	150	12:05	12:21	X	X	X	X	X
11/3/2022	C	150	175	12:23	13:00	X	X	X	X	X
11/3/2022	C	175	200	13:26	13:44	X	X	X	X	X
11/3/2022	C	200	225	13:46	14:06	X	X	X	X	X
11/3/2022	C	225	250	14:11	14:43	X	X	X	X	X
11/3/2022	C	250	275	14:46	15:15	X	X	X	X	X
11/3/2022	C	275	300	15:17	15:43	X	X	X	X	X
11/3/2022	C	300	325	15:46	16:20	X	X	X	X	X
11/3/2022	C	325	350	16:26	17:15	X	X	X	X	X
11/3/2022	C	350	375	17:17	17:39	X	X	X	X	X
11/3/2022	C	375	400	17:55	18:32	X	X	X	X	X
11/3/2022	C	400	405	18:35	18:51	X	X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well E	Well F
		Top	Bottom			WellE_221108101648_V7104	Well F_221108113201_V7116
11/3/2022	C	25	50	9:45	10:15	X	X
11/3/2022	C	50	75	10:17	10:47	X	X
11/3/2022	C	75	100	10:47	10:59	X	X
11/3/2022	C	100	125	11:02	11:32	X	X
11/3/2022	C	125	150	12:05	12:21	X	X
11/3/2022	C	150	175	12:23	13:00	X	X
11/3/2022	C	175	200	13:26	13:44	X	X
11/3/2022	C	200	225	13:46	14:06	X	X
11/3/2022	C	225	250	14:11	14:43	X	X
11/3/2022	C	250	275	14:46	15:15	X	X
11/3/2022	C	275	300	15:17	15:43	X	X
11/3/2022	C	300	325	15:46	16:20	X	X
11/3/2022	C	325	350	16:26	17:15	X	X
11/3/2022	C	350	375	17:17	17:39	X	X
11/3/2022	C	375	400	17:55	18:32	X	X
11/3/2022	C	400	405	18:35	18:51	X	X

Borehole D Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35D	RI-35DI	RI-35I	RI-35S	RI-38D
		Top	Bottom			RI-35D_221108122847_U8963	RI-35DI_221108121841_V4159	RI-35I_221108121254_W9379	RI-35S_221108122633_V7124	RI-38D_221108095000_V4162
11/1/2022	D	25	50	9:30	9:41	X	X	X	X	X
11/1/2022	D	50	75	9:43	10:05	X	X	X	X	X
11/1/2022	D	75	100	10:07	10:27	X	X	X	X	X
11/1/2022	D	100	125	10:29	10:59	X	X	X	X	X
11/1/2022	D	125	150	11:02	11:32	X	X	X	X	X
11/1/2022	D	150	175	10:55	11:15	X	X	X	X	X
11/1/2022	D	175	200	11:17	11:30	X	X	X	X	X
11/1/2022	D	200	225	11:33	11:44	X	X	X	X	X
11/1/2022	D	225	250	11:46	12:00	X	X	X	X	X
11/1/2022	D	250	275	12:05	12:15	X	X	X	X	X
11/1/2022	D	275	300	13:00	13:47	X	X	X	X	X
11/1/2022	D	300	325	13:49	14:15	X	X	X	X	X
11/1/2022	D	325	350	14:17	15:00	X	X	X	X	X
11/1/2022	D	350	375	15:02	15:32	X	X	X	X	X
11/1/2022	D	375	400	15:34	16:02	X	X	X	X	X
11/1/2022	D	400	405	16:04	16:45	X	X	X	X	X

Borehole D Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-38I	RI-39D	RI-39I	Well A	Well B
		Top	Bottom			RI-38I_221108095431_V7095	RI-39D_221108101318_W9392	RI-39I_221108101103_9373	New A_221108122115_V7125	New B_221108121552_W9388
11/1/2022	D	25	50	9:30	9:41	X	X	X	X	X
11/1/2022	D	50	75	9:43	10:05	X	X	X	X	X
11/1/2022	D	75	100	10:07	10:27	X	X	X	X	X
11/1/2022	D	100	125	10:29	10:59	X	X	X	X	X
11/1/2022	D	125	150	11:02	11:32	X	X	X	X	X
11/1/2022	D	150	175	10:55	11:15	X	X	X	X	X
11/1/2022	D	175	200	11:17	11:30	X	X	X	X	X
11/1/2022	D	200	225	11:33	11:44	X	X	X	X	X
11/1/2022	D	225	250	11:46	12:00	X	X	X	X	X
11/1/2022	D	250	275	12:05	12:15	X	X	X	X	X
11/1/2022	D	275	300	13:00	13:47	X	X	X	X	X
11/1/2022	D	300	325	13:49	14:15	X	X	X	X	X
11/1/2022	D	325	350	14:17	15:00	X	X	X	X	X
11/1/2022	D	350	375	15:02	15:32	X	X	X	X	X
11/1/2022	D	375	400	15:34	16:02	X	X	X	X	X
11/1/2022	D	400	405	16:04	16:45	X	X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well E	Well F
		Top	Bottom			WellE_221108101648_V7104	Well F_221108113201_V7116
11/1/2022	D	25	50	9:30	9:41	X	X
11/1/2022	D	50	75	9:43	10:05	X	X
11/1/2022	D	75	100	10:07	10:27	X	X
11/1/2022	D	100	125	10:29	10:59	X	X
11/1/2022	D	125	150	11:02	11:32	X	X
11/1/2022	D	150	175	10:55	11:15	X	X
11/1/2022	D	175	200	11:17	11:30	X	X
11/1/2022	D	200	225	11:33	11:44	X	X
11/1/2022	D	225	250	11:46	12:00	X	X
11/1/2022	D	250	275	12:05	12:15	X	X
11/1/2022	D	275	300	13:00	13:47	X	X
11/1/2022	D	300	325	13:49	14:15	X	X
11/1/2022	D	325	350	14:17	15:00	X	X
11/1/2022	D	350	375	15:02	15:32	X	X
11/1/2022	D	375	400	15:34	16:02	X	X
11/1/2022	D	400	405	16:04	16:45	X	X

Borehole E Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	RI-35D	RI-35DD	RI-35DI
		Top	Bottom			EPA-01D_221005134047_V7095	EPA-01S221005132833_V4162	RI-35D_221005171315_U8963	RI-35DD_221005164119_W9377	RI-35DI_221005163951_V4159
10/3/2022	E	25	50	16:55	17:25	X	X	X	X	X
10/3/2022	E	50	55	17:27	17:55	X	X	X	X	X

Borehole E Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35I	RI-35S	RW-5D	RW-5I	RW-5S
		Top	Bottom			RI-35I_221005170647_W9379	RI-35S_221005170954_V7124	RW-5D_221005133735_W9373	RW-5I_221005134456_W9392	RW-5S_221005131556_W9388
10/3/2022	E	25	50	16:55	17:25	X	X	X	X	X
10/3/2022	E	50	55	17:27	17:55	X	X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well H	Well J
		Top	Bottom			Well H_221005134847_V7104	Well J_221005133359_V7125
10/3/2022	E	25	50	16:55	17:25	X	X
10/3/2022	E	50	55	17:27	17:55	X	X

Borehole F Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	RI-35D	RI-35DD	RI-35DI
		Top	Bottom			EPA-01D_221005134047_V7095	EPA-01S221005132833_V4162	RI-35D_221005171315_U8963	RI-35DD_221005164119_W9377	RI-35DI_221005163951_V4159
10/3/2022	F	25	50	8:30	8:40	X	X	X	X	X
10/3/2022	F	50	75	8:43	9:03	X	X	X	X	X
10/3/2022	F	75	100	9:05	9:27	X	X	X	X	X
10/3/2022	F	100	125	9:29	9:58	X	X	X	X	X
10/3/2022	F	125	150	10:01	10:32	X	X	X	X	X
10/3/2022	F	150	175	10:55	11:15	X	X	X	X	X
10/3/2022	F	175	200	11:17	11:30	X	X	X	X	X
10/3/2022	F	200	225	11:33	11:44	X	X	X	X	X
10/3/2022	F	225	250	11:46	12:00	X	X	X	X	X
10/3/2022	F	250	275	12:02	12:15	X	X	X	X	X
10/3/2022	F	275	300	12:17	13:07	X	X	X	X	X
10/3/2022	F	300	325	13:09	13:35	X	X	X	X	X
10/3/2022	F	325	350	13:37	13:47	X	X	X	X	X
10/3/2022	F	350	355	13:49	13:55	X	X	X	X	X

Borehole F Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35I	RI-35S	RW-5D	RW-5I	RW-5S
		Top	Bottom			RI-35I_221005170647_W9379	RI-35S_221005170954_V7124	RW-5D_221005133735_W9373	RW-5I_221005134456_W9392	RW-5S_221005131556_W9388
10/3/2022	F	25	50	8:30	8:40	X	X	X	X	X
10/3/2022	F	50	75	8:43	9:03	X	X	X	X	X
10/3/2022	F	75	100	9:05	9:27	X	X	X	X	X
10/3/2022	F	100	125	9:29	9:58	X	X	X	X	X
10/3/2022	F	125	150	10:01	10:32	X	X	X	X	X
10/3/2022	F	150	175	10:55	11:15	X	X	X	X	X
10/3/2022	F	175	200	11:17	11:30	X	X	X	X	X
10/3/2022	F	200	225	11:33	11:44	X	X	X	X	X
10/3/2022	F	225	250	11:46	12:00	X	X	X	X	X
10/3/2022	F	250	275	12:02	12:15	X	X	X	X	X
10/3/2022	F	275	300	12:17	13:07	X	X	X	X	X
10/3/2022	F	300	325	13:09	13:35	X	X	X	X	X
10/3/2022	F	325	350	13:37	13:47	X	X	X	X	X
10/3/2022	F	350	355	13:49	13:55	X	X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well H	Well J
		Top	Bottom			Well H_221005134847_V7104	Well J_221005133359_V7125
10/3/2022	F	25	50	8:30	8:40	X	X
10/3/2022	F	50	75	8:43	9:03	X	X
10/3/2022	F	75	100	9:05	9:27	X	X
10/3/2022	F	100	125	9:29	9:58	X	X
10/3/2022	F	125	150	10:01	10:32	X	X
10/3/2022	F	150	175	10:55	11:15	X	X
10/3/2022	F	175	200	11:17	11:30	X	X
10/3/2022	F	200	225	11:33	11:44	X	X
10/3/2022	F	225	250	11:46	12:00	X	X
10/3/2022	F	250	275	12:02	12:15	X	X
10/3/2022	F	275	300	12:17	13:07	X	X
10/3/2022	F	300	325	13:09	13:35	X	X
10/3/2022	F	325	350	13:37	13:47	X	X
10/3/2022	F	350	355	13:49	13:55	X	X

Borehole G Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	EPA-02D	RI-18D	RI-19D
		Top	Bottom			EPA-01D_221005134047_V7095	EPA-01S221005132833_V4162	EPA-02D_230328162622_W9377	RI-18D_230328140952_V4162	RI-19D_230328162422_V4159
10/4/2022	G	25	50	11:15	11:27	X	X			
10/4/2022	G	50	75	11:29	11:43	X	X			
10/4/2022	G	75	100	11:45	12:04	X	X			
10/4/2022	G	100	125	12:06	12:20	X	X			
10/4/2022	G	125	150	12:40	12:55	X	X			
10/4/2022	G	150	175	12:57	13:16	X	X			
10/4/2022	G	175	200	13:18	13:28	X	X			
10/4/2022	G	200	225	13:30	13:40	X	X			
10/4/2022	G	225	250	13:42	13:52	X	X			
10/4/2022	G	250	275	13:54	14:06	X	X			
10/4/2022	G	275	300	14:08	14:30	X	X			
10/4/2022	G	300	325	14:32	14:40	X	X			
10/4/2022	G	325	355	14:42	15:00	X	X			
3/6/2023	G	355	375					X	X	X
3/6/2023	G	375	400					X	X	X
3/6/2023	G	400	425					X	X	X
3/6/2023	G	425	450					X	X	X
3/6/2023	G	450	475					X	X	X
3/6/2023	G	475	500					X	X	X
3/6/2023	G	500	505					X	X	X

Borehole G Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-27D	RI-35D	RI-35DD	RI-35DI	RI-35I
		Top	Bottom			RI-27D_230328141431_V7116	RI-35D_221005171315_U8963	RI-35DD_221005164119_W9377 RI-35DD_230328140735_V7095	RI-35DI_221005163951_V4159	RI-35I_221005170647_W9379
10/4/2022	G	25	50	11:15	11:27		X	X	X	X
10/4/2022	G	50	75	11:29	11:43		X	X	X	X
10/4/2022	G	75	100	11:45	12:04		X	X	X	X
10/4/2022	G	100	125	12:06	12:20		X	X	X	X
10/4/2022	G	125	150	12:40	12:55		X	X	X	X
10/4/2022	G	150	175	12:57	13:16		X	X	X	X
10/4/2022	G	175	200	13:18	13:28		X	X	X	X
10/4/2022	G	200	225	13:30	13:40		X	X	X	X
10/4/2022	G	225	250	13:42	13:52		X	X	X	X
10/4/2022	G	250	275	13:54	14:06		X	X	X	X
10/4/2022	G	275	300	14:08	14:30		X	X	X	X
10/4/2022	G	300	325	14:32	14:40		X	X	X	X
10/4/2022	G	325	355	14:42	15:00		X	X	X	X
3/6/2023	G	355	375			X		X		
3/6/2023	G	375	400			X		X		
3/6/2023	G	400	425			X		X		
3/6/2023	G	425	450			X		X		
3/6/2023	G	450	475			X		X		
3/6/2023	G	475	500			X		X		
3/6/2023	G	500	505			X		X		

Borehole G Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35S	RI-38D	RI-39D	RW-5D	RW-5I
		Top	Bottom			RI-35S_221005170954_V7124	RI-38D_230328142319_V7104	RI-39D_230328142007_U8963	RW-5D_221005133735_W9373	RW-5I_221005134456_W9392
10/4/2022	G	25	50	11:15	11:27	X			X	X
10/4/2022	G	50	75	11:29	11:43	X			X	X
10/4/2022	G	75	100	11:45	12:04	X			X	X
10/4/2022	G	100	125	12:06	12:20	X			X	X
10/4/2022	G	125	150	12:40	12:55	X			X	X
10/4/2022	G	150	175	12:57	13:16	X			X	X
10/4/2022	G	175	200	13:18	13:28	X			X	X
10/4/2022	G	200	225	13:30	13:40	X			X	X
10/4/2022	G	225	250	13:42	13:52	X			X	X
10/4/2022	G	250	275	13:54	14:06	X			X	X
10/4/2022	G	275	300	14:08	14:30	X			X	X
10/4/2022	G	300	325	14:32	14:40	X			X	X
10/4/2022	G	325	355	14:42	15:00	X			X	X
3/6/2023	G	355	375				X	X		
3/6/2023	G	375	400				X	X		
3/6/2023	G	400	425				X	X		
3/6/2023	G	425	450				X	X		
3/6/2023	G	450	475				X	X		
3/6/2023	G	475	500				X	X		
3/6/2023	G	500	505				X	X		

Borehole G Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RW-5S	Well E	Well F	Well G	Well H
		Top	Bottom			RW-5S_221005131556_W9388	Well E_230328142620_W9392	Well F_230328141714_W9379	Well G_230328141212_V7125	Well H_221005134847_V7104 Well H_230307140407_W9373
10/4/2022	G	25	50	11:15	11:27	X				X
10/4/2022	G	50	75	11:29	11:43	X				X
10/4/2022	G	75	100	11:45	12:04	X				X
10/4/2022	G	100	125	12:06	12:20	X				X
10/4/2022	G	125	150	12:40	12:55	X				X
10/4/2022	G	150	175	12:57	13:16	X				X
10/4/2022	G	175	200	13:18	13:28	X				X
10/4/2022	G	200	225	13:30	13:40	X				X
10/4/2022	G	225	250	13:42	13:52	X				X
10/4/2022	G	250	275	13:54	14:06	X				X
10/4/2022	G	275	300	14:08	14:30	X				X
10/4/2022	G	300	325	14:32	14:40	X				X
10/4/2022	G	325	355	14:42	15:00	X				X
3/6/2023	G	355	375				X	X	X	X
3/6/2023	G	375	400				X	X	X	X
3/6/2023	G	400	425				X	X	X	X
3/6/2023	G	425	450				X	X	X	X
3/6/2023	G	450	475				X	X	X	X
3/6/2023	G	475	500				X	X	X	X
3/6/2023	G	500	505				X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well I	Well J
		Top	Bottom			Well I_230328161607_V1464	Well J_221005133359_V7125 Well J_230328162134_V7124
10/4/2022	G	25	50	11:15	11:27		X
10/4/2022	G	50	75	11:29	11:43		X
10/4/2022	G	75	100	11:45	12:04		X
10/4/2022	G	100	125	12:06	12:20		X
10/4/2022	G	125	150	12:40	12:55		X
10/4/2022	G	150	175	12:57	13:16		X
10/4/2022	G	175	200	13:18	13:28		X
10/4/2022	G	200	225	13:30	13:40		X
10/4/2022	G	225	250	13:42	13:52		X
10/4/2022	G	250	275	13:54	14:06		X
10/4/2022	G	275	300	14:08	14:30		X
10/4/2022	G	300	325	14:32	14:40		X
10/4/2022	G	325	355	14:42	15:00		X
3/6/2023	G	355	375			X	X
3/6/2023	G	375	400			X	X
3/6/2023	G	400	425			X	X
3/6/2023	G	425	450			X	X
3/6/2023	G	450	475			X	X
3/6/2023	G	475	500			X	X
3/6/2023	G	500	505			X	X

Borehole H Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	EPA-02D	RI-18D	RI-19D
		Top	Bottom			EPA-01D_221005134047_V7095	EPA-01S221005132833_V4162	EPA-02D_230328162622_W9377	RI-18D_230328140952_V4162	RI-19D_230328162422_V4159
9/29/2022	H	25	50	10:55	11:05	X	X			
9/29/2022	H	50	75	11:07	11:23	X	X			
9/29/2022	H	75	100	11:25	11:35	X	X			
9/29/2022	H	100	125	11:37	11:53	X	X			
9/29/2022	H	125	150	12:55	12:16	X	X			
9/29/2022	H	150	175	12:17	12:35	X	X			
9/29/2022	H	175	200	12:37	12:51	X	X			
9/29/2022	H	200	225	13:15	13:33	X	X			
9/29/2022	H	225	255	13:35	14:40	X	X			
3/8/2023	H	255	275					X	X	X
3/8/2023	H	275	300					X	X	X
3/8/2023	H	300	325					X	X	X
3/8/2023	H	325	350					X	X	X
3/8/2023	H	350	375					X	X	X
3/8/2023	H	375	400					X	X	X
3/8/2023	H	400	425					X	X	X
3/8/2023	H	425	450					X	X	X
3/8/2023	H	450	475					X	X	X
3/8/2023	H	475	500					X	X	X
3/8/2023	H	500	505					X	X	X

Borehole H Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-27D	RI-35D	RI-35DD	RI-35DI	RI-35I
		Top	Bottom			RI-27D_230328141431_V7116	RI-35D_221005171315_U8963	RI-35DD_221005164119_W9377 RI-35DD_230328140735_V7095	RI-35DI_221005163951_V4159	RI-35I_221005170647_W9379
9/29/2022	H	25	50	10:55	11:05		X	X	X	X
9/29/2022	H	50	75	11:07	11:23		X	X	X	X
9/29/2022	H	75	100	11:25	11:35		X	X	X	X
9/29/2022	H	100	125	11:37	11:53		X	X	X	X
9/29/2022	H	125	150	12:55	12:16		X	X	X	X
9/29/2022	H	150	175	12:17	12:35		X	X	X	X
9/29/2022	H	175	200	12:37	12:51		X	X	X	X
9/29/2022	H	200	225	13:15	13:33		X	X	X	X
9/29/2022	H	225	255	13:35	14:40		X	X	X	X
3/8/2023	H	255	275			X		X		
3/8/2023	H	275	300			X		X		
3/8/2023	H	300	325			X		X		
3/8/2023	H	325	350			X		X		
3/8/2023	H	350	375			X		X		
3/8/2023	H	375	400			X		X		
3/8/2023	H	400	425			X		X		
3/8/2023	H	425	450			X		X		
3/8/2023	H	450	475			X		X		
3/8/2023	H	475	500			X		X		
3/8/2023	H	500	505			X		X		

Borehole H Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35S	RI-38D	RI-39D	RW-5D	RW-5I
		Top	Bottom			RI-35S_221005170954_V7124	RI-38D_230328142319_V7104	RI-39D_230328142007_U8963	RW-5D_221005133735_W9373	RW-5I_221005134456_W9392
9/29/2022	H	25	50	10:55	11:05	X			X	X
9/29/2022	H	50	75	11:07	11:23	X			X	X
9/29/2022	H	75	100	11:25	11:35	X			X	X
9/29/2022	H	100	125	11:37	11:53	X			X	X
9/29/2022	H	125	150	12:55	12:16	X			X	X
9/29/2022	H	150	175	12:17	12:35	X			X	X
9/29/2022	H	175	200	12:37	12:51	X			X	X
9/29/2022	H	200	225	13:15	13:33	X			X	X
9/29/2022	H	225	255	13:35	14:40	X			X	X
3/8/2023	H	255	275				X	X		
3/8/2023	H	275	300				X	X		
3/8/2023	H	300	325				X	X		
3/8/2023	H	325	350				X	X		
3/8/2023	H	350	375				X	X		
3/8/2023	H	375	400				X	X		
3/8/2023	H	400	425				X	X		
3/8/2023	H	425	450				X	X		
3/8/2023	H	450	475				X	X		
3/8/2023	H	475	500				X	X		
3/8/2023	H	500	505				X	X		

Borehole H Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RW-5S	Well E	Well F	Well G	Well H
		Top	Bottom			RW-5S_221005131556_W9388	Well E_230328142620_W9392	Well F_230328141714_W9379	Well G_230328141212_V7125	Well H_221005134847_V7104
9/29/2022	H	25	50	10:55	11:05	X				X
9/29/2022	H	50	75	11:07	11:23	X				X
9/29/2022	H	75	100	11:25	11:35	X				X
9/29/2022	H	100	125	11:37	11:53	X				X
9/29/2022	H	125	150	12:55	12:16	X				X
9/29/2022	H	150	175	12:17	12:35	X				X
9/29/2022	H	175	200	12:37	12:51	X				X
9/29/2022	H	200	225	13:15	13:33	X				X
9/29/2022	H	225	255	13:35	14:40	X				X
3/8/2023	H	255	275				X	X	X	
3/8/2023	H	275	300				X	X	X	
3/8/2023	H	300	325				X	X	X	
3/8/2023	H	325	350				X	X	X	
3/8/2023	H	350	375				X	X	X	
3/8/2023	H	375	400				X	X	X	
3/8/2023	H	400	425				X	X	X	
3/8/2023	H	425	450				X	X	X	
3/8/2023	H	450	475				X	X	X	
3/8/2023	H	475	500				X	X	X	
3/8/2023	H	500	505				X	X	X	

Date	Well	Interval (feet)		Start Time	Stop Time	Well I	Well J
		Top	Bottom			Well I_230328161607_V1464	Well J_221005133359_V7125 Well J_230328162134_V7124
9/29/2022	H	25	50	10:55	11:05		X
9/29/2022	H	50	75	11:07	11:23		X
9/29/2022	H	75	100	11:25	11:35		X
9/29/2022	H	100	125	11:37	11:53		X
9/29/2022	H	125	150	12:55	12:16		X
9/29/2022	H	150	175	12:17	12:35		X
9/29/2022	H	175	200	12:37	12:51		X
9/29/2022	H	200	225	13:15	13:33		X
9/29/2022	H	225	255	13:35	14:40		X
3/8/2023	H	255	275			X	X
3/8/2023	H	275	300			X	X
3/8/2023	H	300	325			X	X
3/8/2023	H	325	350			X	X
3/8/2023	H	350	375			X	X
3/8/2023	H	375	400			X	X
3/8/2023	H	400	425			X	X
3/8/2023	H	425	450			X	X
3/8/2023	H	450	475			X	X
3/8/2023	H	475	500			X	X
3/8/2023	H	500	505			X	X

Borehole I Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	RI-35D	RI-35DD	RI-35DI
		Top	Bottom			EPA-01D_221005134047_V7095	EPA-01S221005132833_V4162	RI-35D_221005171315_U8963	RI-35DD_221005164119_W9377	RI-35DI_221005163951_V4159
9/30/2022	I	25	50	11:19	11:29	X	X	X	X	X
9/30/2022	I	50	75	11:31	11:45	X	X	X	X	X
9/30/2022	I	75	100	11:47	12:00	X	X	X	X	X
9/30/2022	I	100	125	12:02	12:13	X	X	X	X	X
9/30/2022	I	125	150	12:15	12:30	X	X	X	X	X
9/30/2022	I	150	175	12:35	12:49	X	X	X	X	X
9/30/2022	I	175	200	12:51	13:05	X	X	X	X	X
9/30/2022	I	200	205	13:25	13:35	X	X	X	X	X

Borehole I Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35I	RI-35S	RW-5D	RW-5I	RW-5S
		Top	Bottom			RI-35I_221005170647_W9379	RI-35S_221005170954_V7124	RW-5D_221005133735_W9373	RW-5I_221005134456_W9392	RW-5S_221005131556_W9388
9/30/2022	I	25	50	11:19	11:29	X	X	X	X	X
9/30/2022	I	50	75	11:31	11:45	X	X	X	X	X
9/30/2022	I	75	100	11:47	12:00	X	X	X	X	X
9/30/2022	I	100	125	12:02	12:13	X	X	X	X	X
9/30/2022	I	125	150	12:15	12:30	X	X	X	X	X
9/30/2022	I	150	175	12:35	12:49	X	X	X	X	X
9/30/2022	I	175	200	12:51	13:05	X	X	X	X	X
9/30/2022	I	200	205	13:25	13:35	X	X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well H	Well J
		Top	Bottom			Well H_221005134847_V7104	Well J_221005133359_V7125
9/30/2022	I	25	50	11:19	11:29	X	X
9/30/2022	I	50	75	11:31	11:45	X	X
9/30/2022	I	75	100	11:47	12:00	X	X
9/30/2022	I	100	125	12:02	12:13	X	X
9/30/2022	I	125	150	12:15	12:30	X	X
9/30/2022	I	150	175	12:35	12:49	X	X
9/30/2022	I	175	200	12:51	13:05	X	X
9/30/2022	I	200	205	13:25	13:35	X	X

Borehole J Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	RI-35D	RI-35DD	RI-35DI
		Top	Bottom			EPA-01D_221005134047_V7095	EPA-01S221005132833_V4162	RI-35D_221005171315_U8963	RI-35DD_221005164119_W9377	RI-35DI_221005163951_V4159
9/29/2022	J	25	50	15:25	15:40	X	X	X	X	X
9/29/2022	J	50	75	15:42	15:56	X	X	X	X	X
9/29/2022	J	75	100	15:58	16:10	X	X	X	X	X
9/29/2022	J	100	125	16:13	16:26	X	X	X	X	X
9/29/2022	J	125	150	16:28	16:36	X	X	X	X	X
9/29/2022	J	150	175	16:38	16:46	X	X	X	X	X
9/29/2022	J	175	200	16:49	17:00	X	X	X	X	X
9/29/2022	J	200	205	17:02	17:08	X	X	X	X	X

Borehole J Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-35I	RI-35S	RW-5D	RW-5I	RW-5S
		Top	Bottom			RI-35I_221005170647_W9379	RI-35S_221005170954_V7124	RW-5D_221005133735_W9373	RW-5I_221005134456_W9392	RW-5S_221005131556_W9388
9/29/2022	J	25	50	15:25	15:40	X	X	X	X	X
9/29/2022	J	50	75	15:42	15:56	X	X	X	X	X
9/29/2022	J	75	100	15:58	16:10	X	X	X	X	X
9/29/2022	J	100	125	16:13	16:26	X	X	X	X	X
9/29/2022	J	125	150	16:28	16:36	X	X	X	X	X
9/29/2022	J	150	175	16:38	16:46	X	X	X	X	X
9/29/2022	J	175	200	16:49	17:00	X	X	X	X	X
9/29/2022	J	200	205	17:02	17:08	X	X	X	X	X

Date	Well	Interval (feet)		Start Time	Stop Time	Well H	Well J
		Top	Bottom			Well H_221005134847_V7104	Well J_221005133359_V7125
9/29/2022	J	25	50	15:25	15:40	X	X
9/29/2022	J	50	75	15:42	15:56	X	X
9/29/2022	J	75	100	15:58	16:10	X	X
9/29/2022	J	100	125	16:13	16:26	X	X
9/29/2022	J	125	150	16:28	16:36	X	X
9/29/2022	J	150	175	16:38	16:46	X	X
9/29/2022	J	175	200	16:49	17:00	X	X
9/29/2022	J	200	205	17:02	17:08	X	X

Borehole K Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	EPA-01D	EPA-01S	EPA-02S	EPA-02D	RI-19D
		Top	Bottom			EPA-01D_230505135240_U8963	EPA-01S_230505144858_W9379	EPA-02S_230505142936_V7104	EPA-02D_230505141059_W9377	RI-19D_230505123210_V4159
4/12/2023	K	25	50	10:25	10:40	X	X	X	X	X
4/12/2023	K	50	75	10:57	11:13	X	X	X	X	X
4/12/2023	K	75	100	11:16	11:28	X	X	X	X	X
4/12/2023	K	100	125	11:31	11:42	X	X	X	X	X
4/12/2023	K	125	150	11:43	12:03	X	X	X	X	X
4/12/2023	K	150	175	12:05	12:17	X	X	X	X	X
4/12/2023	K	175	200	12:19	12:25	X	X	X	X	X
4/12/2023	K	200	225	12:28	13:15	X	X	X	X	X
4/12/2023	K	225	250	13:30	13:49	X	X	X	X	X
4/12/2023	K	250	255	13:55	14:02	X	X	X	X	X

Borehole K Transducer Locations

Date	Well	Interval (feet)		Start Time	Stop Time	RI-19S	Well H	Well I	Well J
		Top	Bottom			RI-19S_230505143715_W9392	Well H_230505122947_V7125	Well I_230505135753_V1464	Well J_230505123519_V7124
4/12/2023	K	25	50	10:25	10:40	X	X	X	X
4/12/2023	K	50	75	10:57	11:13	X	X	X	X
4/12/2023	K	75	100	11:16	11:28	X	X	X	X
4/12/2023	K	100	125	11:31	11:42	X	X	X	X
4/12/2023	K	125	150	11:43	12:03	X	X	X	X
4/12/2023	K	150	175	12:05	12:17	X	X	X	X
4/12/2023	K	175	200	12:19	12:25	X	X	X	X
4/12/2023	K	200	225	12:28	13:15	X	X	X	X
4/12/2023	K	225	250	13:30	13:49	X	X	X	X
4/12/2023	K	250	255	13:55	14:02	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-16D_230210135200_V7124	RI-16I_230210135247_V4162	RI-17D_230210135311_W9377
2/6/2023	A	87-107	1220	1410	220	X	X	X
2/7/2023	A	122-142	905	1015	185	X	X	X
2/7/2023	A	176-196	1255	1400	170	X	X	X
2/8/2023	A	199-219	910	1025	175	X	X	X
2/8/2023	A	254-274	1210	1315	190	X	X	X
2/8/2023	A	280-300	1445	1550	180	X	X	X
2/9/2023	A	345-365	1025	1130	195	X	X	X
2/9/2023	A	368-TD	1350	1515	285	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	RI-17S_230210135333_W9379	RI-39D_23021013589_U8963	RI-39I_230210135952_V4159
2/6/2023	A	87-107	1220	1410	X	X	X
2/7/2023	A	122-142	905	1015	X	X	X
2/7/2023	A	176-196	1255	1400	X	X	X
2/8/2023	A	199-219	910	1025	X	X	X
2/8/2023	A	254-274	1210	1315	X	X	X
2/8/2023	A	280-300	1445	1550	X	X	X
2/9/2023	A	345-365	1025	1130	X	X	X
2/9/2023	A	368-TD	1350	1515	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	RI-41D_230210140022_V7116	RI-41S_230210140041_V7104	Well B New A, then new B_230210134802_V1464
2/6/2023	A	87-107	1220	1410	X	X	X
2/7/2023	A	122-142	905	1015	X	X	X
2/7/2023	A	176-196	1255	1400	X	X	X
2/8/2023	A	199-219	910	1025	X	X	X
2/8/2023	A	254-274	1210	1315	X	X	X
2/8/2023	A	280-300	1445	1550	X	X	X
2/9/2023	A	345-365	1025	1130	X	X	X
2/9/2023	A	368-TD	1350	1515	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Well C_230210140120_W9373	Well D_230210140142_V7095	Well E_230210140219_W9392 Well E_230210140232_W9392
2/6/2023	A	87-107	1220	1410	X	X	X
2/7/2023	A	122-142	905	1015	X	X	X
2/7/2023	A	176-196	1255	1400	X	X	X
2/8/2023	A	199-219	910	1025	X	X	X
2/8/2023	A	254-274	1210	1315	X	X	X
2/8/2023	A	280-300	1445	1550	X	X	X
2/9/2023	A	345-365	1025	1130	X	X	X
2/9/2023	A	368-TD	1350	1515	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Well G_230306140339_V7125
2/6/2023	A	87-107	1220	1410	X
2/7/2023	A	122-142	905	1015	X
2/7/2023	A	176-196	1255	1400	X
2/8/2023	A	199-219	910	1025	X
2/8/2023	A	254-274	1210	1315	X
2/8/2023	A	280-300	1445	1550	X
2/9/2023	A	345-365	1025	1130	X
2/9/2023	A	368-TD	1350	1515	X

Packer Testing Transducer Locations Well B

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	EPA-02D_230328162622_W9377	RI-16D_230210135200_V7124	RI-16I_230210135247_V4162	RI-17D_230210135311_W9377
1/27/2023	B	SWL-52	1355	1540	345		X	X	X
1/31/2023	B	58-83	1430	1540	210		X	X	X
1/30/2023	B	86-101	1320	1415	135		X	X	X
2/1/2023	B	133-158	1000	1115	225		X	X	X
2/1/2023	B	169-194	1305	1425	245		X	X	X
1/31/2023	B	195-210	905	1000	135		X	X	X
2/2/2023	B	261-286	940	1115	210		X	X	X
2/2/2023	B	288-303	1255	1355	135		X	X	X
2/2/2023	B	295-350	1505	1635	300		X	X	X
3/9/2023	B	355-400	1440	1645	370	X			

Packer Testing Transducer Locations Well B

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-17S_230210135333_W9379	RI-18D_230328140952_V4162	RI-19D_230328162422_V4159	RI-27D_230328141431_V7116
1/27/2023	B	SWL-52	1355	1540	345	X			
1/31/2023	B	58-83	1430	1540	210	X			
1/30/2023	B	86-101	1320	1415	135	X			
2/1/2023	B	133-158	1000	1115	225	X			
2/1/2023	B	169-194	1305	1425	245	X			
1/31/2023	B	195-210	905	1000	135	X			
2/2/2023	B	261-286	940	1115	210	X			
2/2/2023	B	288-303	1255	1355	135	X			
2/2/2023	B	295-350	1505	1635	300	X			
3/9/2023	B	355-400	1440	1645	370		X	X	X

Packer Testing Transducer Locations Well B

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35DD_230328140735_V7095	RI-38D_230328142319_V7104	RI-39D_23021013589_U8963 RI-39D_230328142007_U8963	RI-39I_230210135952_V4159
1/27/2023	B	SWL-52	1355	1540	345			X	X
1/31/2023	B	58-83	1430	1540	210			X	X
1/30/2023	B	86-101	1320	1415	135			X	X
2/1/2023	B	133-158	1000	1115	225			X	X
2/1/2023	B	169-194	1305	1425	245			X	X
1/31/2023	B	195-210	905	1000	135			X	X
2/2/2023	B	261-286	940	1115	210			X	X
2/2/2023	B	288-303	1255	1355	135			X	X
2/2/2023	B	295-350	1505	1635	300			X	X
3/9/2023	B	355-400	1440	1645	370	X	X	X	

Packer Testing Transducer Locations Well B

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-41D_230210140022_V7116	RI-41S_230210140041_V7104	New A, then new B_230210134802_V1464	Well C_230210140120_W9373
1/27/2023	B	SWL-52	1355	1540	345	X	X	X	X
1/31/2023	B	58-83	1430	1540	210	X	X	X	X
1/30/2023	B	86-101	1320	1415	135	X	X	X	X
2/1/2023	B	133-158	1000	1115	225	X	X	X	X
2/1/2023	B	169-194	1305	1425	245	X	X	X	X
1/31/2023	B	195-210	905	1000	135	X	X	X	X
2/2/2023	B	261-286	940	1115	210	X	X	X	X
2/2/2023	B	288-303	1255	1355	135	X	X	X	X
2/2/2023	B	295-350	1505	1635	300	X	X	X	X
3/9/2023	B	355-400	1440	1645	370				

Packer Testing Transducer Locations Well B

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well D_230210140142_V7095	Well E_230210140219_W9392 Well E_230210140232_W9392 Well E_230328142620_W9392	Well F_230328141714_W9379	Well G_230306140339_V7125 Well G_230328141212_V7125	Well I_230328161607_V1464
1/27/2023	B	SWL-52	1355	1540	345	X	X		X	
1/31/2023	B	58-83	1430	1540	210	X	X		X	
1/30/2023	B	86-101	1320	1415	135	X	X		X	
2/1/2023	B	133-158	1000	1115	225	X	X		X	
2/1/2023	B	169-194	1305	1425	245	X	X		X	
1/31/2023	B	195-210	905	1000	135	X	X		X	
2/2/2023	B	261-286	940	1115	210	X	X		X	
2/2/2023	B	288-303	1255	1355	135	X	X		X	
2/2/2023	B	295-350	1505	1635	300	X	X		X	
3/9/2023	B	355-400	1440	1645	370		X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well J_230328162134_7124
1/27/2023	B	SWL-52	1355	1540	345	
1/31/2023	B	58-83	1430	1540	210	
1/30/2023	B	86-101	1320	1415	135	
2/1/2023	B	133-158	1000	1115	225	
2/1/2023	B	169-194	1305	1425	245	
1/31/2023	B	195-210	905	1000	135	
2/2/2023	B	261-286	940	1115	210	
2/2/2023	B	288-303	1255	1355	135	
2/2/2023	B	295-350	1505	1635	300	
3/9/2023	B	355-400	1440	1645	370	X

Packer Testing Transducer Locations - Well C

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	EPA-02D_230328162622_W9377	RI-18D_230328140952_V4162 RI-18D_230519183818_W9379	RI-19D_230328162422_V4159 RI-19D_230519184047_V4159	RI-27D_230328141431_V7116 RI-27D_230519182251_W9377
5/8/2023	C	SWL-70	1110	1430	530		X	X	X
3/14/2023	C	73-103	1555	1650	260	X	X	X	X
3/15/2023	C	114-144	910	1020	295	X	X	X	X
3/15/2023	C	150-180	1130	1235	255	X	X	X	X
3/27/2023	C	182-207	1430	1545	250	X	X	X	X
3/28/2023	C	208-233	1035	1115	225	X	X	X	X
3/15/2023	C	233-263	1340	1450	265	X	X	X	X
3/16/2023	C	267-297	855	1015	275	X	X	X	X
3/28/2023	C	298-323	1305	1420	210	X		X	

Packer Testing Transducer Locations - Well C

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35DD_230328140735_V7095 RI-35DD_230519182010_U8963	RI-38D_230328142319_V7104 RI-38D_230519182517_V7104	RI-39D_230328142007_U8963 RI-39D_230519183550_W9392	Well E_230328142620_W9392
5/8/2023	C	SWL-70	1110	1430	530	X	X	X	
3/14/2023	C	73-103	1555	1650	260	X	X	X	X
3/15/2023	C	114-144	910	1020	295	X	X	X	X
3/15/2023	C	150-180	1130	1235	255	X	X	X	X
3/27/2023	C	182-207	1430	1545	250	X	X	X	X
3/28/2023	C	208-233	1035	1115	225	X	X	X	X
3/15/2023	C	233-263	1340	1450	265	X	X	X	X
3/16/2023	C	267-297	855	1015	275	X	X	X	X
3/28/2023	C	298-323	1305	1420	210				

Packer Testing Transducer Locations - Well C

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well F_230328141714_W9379	Well G_230328141212_V7125	Well H_230519181651_V7125	Well I_230328161607_V1464 Well I_230519182822_V1464
5/8/2023	C	SWL-70	1110	1430	530			X	X
3/14/2023	C	73-103	1555	1650	260	X	X		X
3/15/2023	C	114-144	910	1020	295	X	X		X
3/15/2023	C	150-180	1130	1235	255	X	X		X
3/27/2023	C	182-207	1430	1545	250	X	X		X
3/28/2023	C	208-233	1035	1115	225	X			X
3/15/2023	C	233-263	1340	1450	265	X	X		X
3/16/2023	C	267-297	855	1015	275	X	X		X
3/28/2023	C	298-323	1305	1420	210				X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well J_230328162134_V7124 Well J_230519183123_V7124
5/8/2023	C	SWL-70	1110	1430	530	X
3/14/2023	C	73-103	1555	1650	260	X
3/15/2023	C	114-144	910	1020	295	X
3/15/2023	C	150-180	1130	1235	255	X
3/27/2023	C	182-207	1430	1545	250	X
3/28/2023	C	208-233	1035	1115	225	X
3/15/2023	C	233-263	1340	1450	265	X
3/16/2023	C	267-297	855	1015	275	X
3/28/2023	C	298-323	1305	1420	210	X

Packer Testing Transducer Locations - Well D

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	EPA-02D_230328162622_W9377	RI-18D_230328140952_V4162	RI-19D_230328162422_V4159	RI-27D_230328141431_V7116
2/14/2023	D	SWL-70	1035	1315	520				
2/14/2023	D	71-92	1520	1625	195				
2/15/2023	D	99-120	915	1020	180				
2/15/2023	D	124-145	1130	1320	190				
2/15/2023	D	150-171	1435	1545	195				
2/16/2023	D	174-195	910	1020	190				
3/6/2023	D	195-230	1450	1620	290	X	X	X	X
3/7/2023	D	230-265	950	1130	290	X	X	X	X
3/7/2023	D	297-332	1320	1450	290	X	X	X	X
3/8/2023	D	335-370	915	1045	290	X	X	X	X
2/16/2023	D	370-TD	1225	1520	265				

Packer Testing Transducer Locations - Well D

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35S_230223135740_V7124	RI-35I_230223135652_V1464	RI-35DI_230223135629_W9373	RI-35D_230223135403_V7116
2/14/2023	D	SWL-70	1035	1315	520	X	X	X	X
2/14/2023	D	71-92	1520	1625	195	X	X	X	X
2/15/2023	D	99-120	915	1020	180	X	X	X	X
2/15/2023	D	124-145	1130	1320	190	X	X	X	X
2/15/2023	D	150-171	1435	1545	195	X	X	X	X
2/16/2023	D	174-195	910	1020	190	X	X	X	X
3/6/2023	D	195-230	1450	1620	290				
3/7/2023	D	230-265	950	1130	290				
3/7/2023	D	297-332	1320	1450	290				
3/8/2023	D	335-370	915	1045	290				
2/16/2023	D	370-TD	1225	1520	265	X	X	X	X

Packer Testing Transducer Locations - Well D

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35DD_230223135543_V7095 RI-35DD_230328140735_V7095	RI-39I_230223140005_V4159	RI-39D_230223135852_U8963 RI-39D_230328142007_U8963	RI-38I_230223135821_V4162
2/14/2023	D	SWL-70	1035	1315	520	X	X	X	X
2/14/2023	D	71-92	1520	1625	195	X	X	X	X
2/15/2023	D	99-120	915	1020	180	X	X	X	X
2/15/2023	D	124-145	1130	1320	190	X	X	X	X
2/15/2023	D	150-171	1435	1545	195	X	X	X	X
2/16/2023	D	174-195	910	1020	190	X	X	X	X
3/6/2023	D	195-230	1450	1620	290	X		X	
3/7/2023	D	230-265	950	1130	290	X		X	
3/7/2023	D	297-332	1320	1450	290	X		X	
3/8/2023	D	335-370	915	1045	290	X		X	
2/16/2023	D	370-TD	1225	1520	265	X	X	X	X

Packer Testing Transducer Locations - Well D

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-38D_230223135807_V7104 RI-38D_230328142319_V7104	Well A_230223140102_W9377	Well E_230223140248_W9392 Well E_230328142620_W9392	Well F_230223140316_W9379 Well F_230328141714_W9379
2/14/2023	D	SWL-70	1035	1315	520	X	X	X	X
2/14/2023	D	71-92	1520	1625	195	X	X	X	X
2/15/2023	D	99-120	915	1020	180	X	X	X	X
2/15/2023	D	124-145	1130	1320	190	X	X	X	X
2/15/2023	D	150-171	1435	1545	195	X	X	X	X
2/16/2023	D	174-195	910	1020	190	X	X	X	X
3/6/2023	D	195-230	1450	1620	290	X		X	X
3/7/2023	D	230-265	950	1130	290	X		X	X
3/7/2023	D	297-332	1320	1450	290	X		X	X
3/8/2023	D	335-370	915	1045	290	X		X	X
2/16/2023	D	370-TD	1225	1520	265	X	X	X	X

Packer Testing Transducer Locations - Well D

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well G_230306140339_V7125	Well H_230307140407_W9373	Well I_230328161607_V1464	Well J_230328162134_V7124
2/14/2023	D	SWL-70	1035	1315	520	X			
2/14/2023	D	71-92	1520	1625	195	X			
2/15/2023	D	99-120	915	1020	180	X			
2/15/2023	D	124-145	1130	1320	190	X			
2/15/2023	D	150-171	1435	1545	195	X			
2/16/2023	D	174-195	910	1020	190	X			
3/6/2023	D	195-230	1450	1620	290		X	X	X
3/7/2023	D	230-265	950	1130	290		X	X	X
3/7/2023	D	297-332	1320	1450	290			X	X
3/8/2023	D	335-370	915	1045	290			X	X
2/16/2023	D	370-TD	1225	1520	265	X			

Packer Testing Transducer Locations - Well E

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-18D_230125110645_V7104	RI-18S_230125102148_V7116	RI-35D_230125103156_W9373	RI-35DD_230125105632_V7095	RI-35DI_230125110936_W9379
1/5/2023	E	SWL-34	930	1230	175	X	X	X	X	X
1/5/2023	E	36-TD	1415	1520	175	X	X	X	X	X

Packer Testing Transducer Locations - Well E

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35I_230125104936_V4162	RI-35S_230125105253_W9392	Well G_230306140339_V7125	Well H_230125104529_V4159
1/5/2023	E	SWL-34	930	1230	175	X	X	X	X
1/5/2023	E	36-TD	1415	1520	175	X	X	X	X

Packer Testing Transducer Locations - Well F

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-18D_230125110645_V7104	RI-18S_230125102148_V7116	RI-35D_230125103156_W9373	RI-35DD_230125105632_V7095
1/6/2023	F	SWL-57.5	1325	1550	405	X	X	X	X
1/9/2023	F	60.5-90.5	1205	1335	300	X	X	X	X
1/13/2023	F	94.5-114.5	1158	1500	75	X	X	X	X
1/12/2023	F	118-140	1230	1340	180	X	X	X	X
1/23/2023	F	143-155	905	1005	135	X	X	X	X
1/17/2023	F	153-173	1000	1110	185	X	X	X	X
1/23/2023	F	171-183	1110	1210	145	X	X	X	X
1/19/2023	F	185-200	1035	1145	155	X	X	X	X
1/23/2023	F	204-216	1345	1510	120	X	X	X	X
1/11/2023	F	217-247	1215	1445	285	X	X	X	X
1/19/2023	F	258-273	1330	1430	160	X	X	X	X
1/20/2023	F	275-290	910	1010	160	X	X	X	X
1/17/2023	F	310-330	1250	1550	130	X	X	X	X
1/24/2023	F	333-TD	1350	1450	165	X	X	X	X

Packer Testing Transducer Locations - Well F

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35DI_230125110936_W9379	RI-35I_230125104936_V4162	RI-35S_230125105253_W9392	Well G_230306140339_V7125
1/6/2023	F	SWL-57.5	1325	1550	405	X	X	X	X
1/9/2023	F	60.5-90.5	1205	1335	300	X	X	X	X
1/13/2023	F	94.5-114.5	1158	1500	75	X	X	X	X
1/12/2023	F	118-140	1230	1340	180	X	X	X	X
1/23/2023	F	143-155	905	1005	135	X	X	X	X
1/17/2023	F	153-173	1000	1110	185	X	X	X	X
1/23/2023	F	171-183	1110	1210	145	X	X	X	X
1/19/2023	F	185-200	1035	1145	155	X	X	X	X
1/23/2023	F	204-216	1345	1510	120	X	X	X	X
1/11/2023	F	217-247	1215	1445	285	X	X	X	X
1/19/2023	F	258-273	1330	1430	160	X	X	X	X
1/20/2023	F	275-290	910	1010	160	X	X	X	X
1/17/2023	F	310-330	1250	1550	130	X	X	X	X
1/24/2023	F	333-TD	1350	1450	165	X	X	X	X

Packer Testing Transducer Locations - Well F

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well H_230125104529_V4159
1/6/2023	F	SWL-57.5	1325	1550	405	X
1/9/2023	F	60.5-90.5	1205	1335	300	X
1/13/2023	F	94.5-114.5	1158	1500	75	X
1/12/2023	F	118-140	1230	1340	180	X
1/23/2023	F	143-155	905	1005	135	X
1/17/2023	F	153-173	1000	1110	185	X
1/23/2023	F	171-183	1110	1210	145	X
1/19/2023	F	185-200	1035	1145	155	X
1/23/2023	F	204-216	1345	1510	120	X
1/11/2023	F	217-247	1215	1445	285	X
1/19/2023	F	258-273	1330	1430	160	X
1/20/2023	F	275-290	910	1010	160	X
1/17/2023	F	310-330	1250	1550	130	X
1/24/2023	F	333-TD	1350	1450	165	X

Packer Testing Transducer Locations - Well G

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-27I_221205094936_W9379	RI-35DD_221205120210_W9377 (Well D)	RI-38D_221205093446_V4162	RI-38I_221205095439_V7095	RI-39D_221205093040_W9392
11/17/2022	G	235-265	1035	1210	340	X	X	X	X	X
11/17/2022	G	265-295	1325	1545	250	X	X	X	X	X
11/17/2022	G	336-355	1005	1125	275	X	X	X	X	X
11/29/2022	G	298-311	1300	1400	102	X	X	X	X	X
12/1/2022	G	312-333.1	1420	1535	162	X	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-39I_221205094346_9373	Well E_221205102047_V7104	Well F_221205102309_V7116	Well H_221205110804_V7125	Well J_221205110355_V4159
11/17/2022	G	235-265	1035	1210	340	X	X	X	X	X
11/17/2022	G	265-295	1325	1545	250	X	X	X	X	X
11/17/2022	G	336-355	1005	1125	275	X	X	X	X	X
11/29/2022	G	298-311	1300	1400	102	X	X	X	X	X
12/1/2022	G	312-333.1	1420	1535	162	X	X	X	X	X

Packer Testing Transducer Location - Well G extension

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-18D_230519183818_W9379	RI-19D_230519184047_V4159	RI-27D_230519182251_W9377	RI-35DD_230519182010_U8963	RI-38D_230519182517_V7104
5/10/2023	G	367-387	920	1130	185	X	X	X	X	X
5/10/2023	G	424-444	1245	1530	180	X	X	X	X	X
5/11/2023	G	445-465	830	1105	180	X	X	X	X	X
5/12/2023	G	473-493	835	1245	--	X	X	X	X	X
5/11/2023	G	473-TD	1215	1710	245	X	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-39D_230519183550_W9392	Well H_230519181651_V7125	Well I_230519182822_V1464	Well J_230519183123_V7124
5/10/2023	G	367-387	920	1130	185	X	X	X	X
5/10/2023	G	424-444	1245	1530	180	X	X	X	X
5/11/2023	G	445-465	830	1105	180	X	X	X	X
5/12/2023	G	473-493	835	1245	--	X	X	X	X
5/11/2023	G	473-TD	1215	1710	245	X	X	X	X

Packer Testing Transducer Locations - Well H

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	EPA-01D_221220154224_V7116	EPA-01S_221220154530_V7104	RI-35D_221220151442_W9373	RI-35DD_221220150103_V7095 RI-35DD_221220155531_V7095
12/6/2022	H	SWL-42	1345	1515	340	X	X	X	X
12/7/2022	H	68-80	935	1030	120	X	X	X	X
12/12/2022	H	84-104	1420	1540	260	X	X	X	X
12/7/2022	H	178-190	1145	1235	175	X	X	X	X
12/8/2022	H	226-TD	930	1045	220	X	X	X	X
12/9/2022	H	105-136	935	1105	275	X	X	X	X
12/9/2022	H	192-233	1310	1430	275	X	X	X	X
12/12/2022	H	44-64	1210	1325	190	X	X	X	X
12/13/2022	H	154-174	1120	1230	180	X	X	X	X

Packer Testing Transducer Locations - Well H

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35DI_221220145817_W9379	RI-35I_221220150718_V4162	RI-35S_221220151121_W9392	Well G_230306140339_V7125
12/6/2022	H	SWL-42	1345	1515	340	X	X	X	X
12/7/2022	H	68-80	935	1030	120	X	X	X	X
12/12/2022	H	84-104	1420	1540	260	X	X	X	X
12/7/2022	H	178-190	1145	1235	175	X	X	X	X
12/8/2022	H	226-TD	930	1045	220	X	X	X	X
12/9/2022	H	105-136	935	1105	275	X	X	X	X
12/9/2022	H	192-233	1310	1430	275	X	X	X	X
12/12/2022	H	44-64	1210	1325	190	X	X	X	X
12/13/2022	H	154-174	1120	1230	180	X	X	X	X

Packer Testing Trasducer Locations - Well H extension

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-18D_230519183818_W9379	RI-19D_230519184047_V4159	RI-27D_230519182251_W9377	RI-35DD_230519182010_U8963	RI-38D_230519182517_V7104
5/15/2023	H	285-310	1340	1635	210	X	X	X	X	X
5/16/2023	H	320-345	1013	1240	210	X	X	X	X	X
5/16/2023	H	375-400	1339	1515	215	X	X	X	X	X
5/17/2023	H	405-430	920	1115	215	X	X	X	X	X
5/17/2023	H	433-458	1220	1500	210	X	X	X	X	X
5/18/2023	H	470-TD	900	1115	295	X	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-39D_230519183550_W9392	Well H_230519181651_V7125	Well I_230519182822_V1464	Well J_230519183123_V7124
5/15/2023	H	285-310	1340	1635	210	X	X	X	X
5/16/2023	H	320-345	1013	1240	210	X	X	X	X
5/16/2023	H	375-400	1339	1515	215	X	X	X	X
5/17/2023	H	405-430	920	1115	215	X	X	X	X
5/17/2023	H	433-458	1220	1500	210	X	X	X	X
5/18/2023	H	470-TD	900	1115	295	X	X	X	X

Packer Testing Transducer Locations - Well I

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-27I_221205094936_W9379	RI-35DD_221205120210_W9377 (Well D)	RI-38D_221205093446_V4162	RI-38I_221205095439_V7095
11/10/2022	I	SWL-75	1245	1550	575	X	X	X	X
11/11/2022	I	109-121	915	945	150	X	X	X	X
11/11/2022	I	130-142	1045	1200	125	X	X	X	X
11/14/2022	I	183-TD	900	1120	172	X	X	X	X
11/15/2022	I	79-107	845	915	30	X	X	X	X
11/15/2022	I	143-159	1230	1320	150	X	X	X	X

Packer Testing Transducer Locations - Well I

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-39D_221205093040_W9392	RI-39I_221205094346_9373	Well E_221205102047_V7104	Well F_221205102309_V7116
11/10/2022	I	SWL-75	1245	1550	575	X	X	X	X
11/11/2022	I	109-121	915	945	150	X	X	X	X
11/11/2022	I	130-142	1045	1200	125	X	X	X	X
11/14/2022	I	183-TD	900	1120	172	X	X	X	X
11/15/2022	I	79-107	845	915	30	X	X	X	X
11/15/2022	I	143-159	1230	1320	150	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	Well H_221205110804_V7125	Well J_221205110355_V4159
11/10/2022	I	SWL-75	1245	1550	575	X	X
11/11/2022	I	109-121	915	945	150	X	X
11/11/2022	I	130-142	1045	1200	125	X	X
11/14/2022	I	183-TD	900	1120	172	X	X
11/15/2022	I	79-107	845	915	30	X	X
11/15/2022	I	143-159	1230	1320	150	X	X

Packer Testing Transducer Locations - Well J

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	EPA-01D_221220154224_V7116	EPA-01S_221220154530_V7104	RI-35D_221220151442_W9373	RI-35DD_221220155531_V7095
12/15/2022	J	SWL-80	940	1435	625	X	X	X	X
12/16/2022	J	175-TD	920	1035	220	X	X	X	X
12/16/2022	J	81-103	1510	1615	195	X	X	X	X
12/19/2022	J	125-147	1230	1340	220	X	X	X	X
12/20/2022	J	150-172	915	1305	195	X	X	X	X
12/19/2022	J	102-124	940	1105	205	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-35DI_221220145817_W9379	RI-35I_221220150718_V4162	RI-35S_221220151121_W9392	Well G_230306140339_V7125
12/15/2022	J	SWL-80	940	1435	625	X	X	X	X
12/16/2022	J	175-TD	920	1035	220	X	X	X	X
12/16/2022	J	81-103	1510	1615	195	X	X	X	X
12/19/2022	J	125-147	1230	1340	220	X	X	X	X
12/20/2022	J	150-172	915	1305	195	X	X	X	X
12/19/2022	J	102-124	940	1105	205	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	EPA-01D_230525114836_V7124	EPA-01S_230525114715_W9379	EPA-02D_230525114214_V7104	EPA-02S_230525115001_V1464
5/22/2023	K	SWL-110	920	1305	820	X	X	X	X
5/24/2023	K	111-136	1450	1550	220	X	X	X	X
5/23/2023	K	150-175	1005	1230	220	X	X	X	X
5/23/2023	K	175-200	1345	1505	230	X	X	X	X
5/24/2023	K	200-225	930	1045	220	X	X	X	X
5/24/2023	K	228-TD	1220	1340	275	X	X	X	X

Date	Well	Interval (feet)	Approximate Time Start	Approximate Time Stop	Gallons purged	RI-19D_230525114553_V4159	RI-19S_230525115129_W9392	W-4_230525114411_V7125
5/22/2023	K	SWL-110	920	1305	820	X	X	X
5/24/2023	K	111-136	1450	1550	220	X	X	X
5/23/2023	K	150-175	1005	1230	220	X	X	X
5/23/2023	K	175-200	1345	1505	230	X	X	X
5/24/2023	K	200-225	930	1045	220	X	X	X
5/24/2023	K	228-TD	1220	1340	275	X	X	X

ATTACHMENT 4
PACKER TESTING FIELD FORMS

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	87	107
PROJECT:	HGL	CLIENT:	HGL	
PERSONNEL:	JE JH	DATE:	2/6/2023	W.O.#:

SETTING DEPTHS	
Point A:	80.45
Upper Packer - Top:	83.7
Upper Packer - Bottom:	87
Point B:	105.1
Lower Packer - Top:	107
Lower Packer - Bottom:	110.25
Assembly Bottom:	112.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
117	128
Actual PSI Used	

TEST SEQUENCE	
Begin Logging	11:57
Start Inflation	12:07
Begin Pumping	12:18
End Pumping	
End Logging	

PUMPING RECORD		
Pumping Interval:	87	107
Pumping Rate:	5 gal/min	
Pumping Duration:	##########	
Maximum Drawdown:	-8.45	
Zone Volume	52	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:00	
Percentage Recovery	0.00%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.72900E-03	V=	9.87	8.31300E-03	V=	9.87	6.72000E-03	V=	9.87
5.1740E-03	V=	80.45	5.1760E-03	V=	94	4.7780E-03	V=	112.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.87

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.8	11.5	12.05		
2	9.75	8.45	8.45		
3	9.73	7.84	7.61		

Miscellaneous Notes

Vaccuum in pumping zone.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	18

RATE ADJUSTMENTS

GPM set to 5 gpm at 12:19 PM. Pump shut off due to assembly slipping at 12:30 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	87	107	
PROJECT:	North Penn Area 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/6/2023	W.O.#:	

Initial Pipe Tally:	22
Pipes That Remain on Truck:	18

SETTING DEPTHS

Point A:	80.45
Upper Packer - Top:	83.7
Upper Packer - Bottom:	87
Point B:	105.1
Lower Packer - Top:	107
Lower Packer - Bottom:	110.25
Assembly Bottom:	112.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
117	128
Actual PSI Used	
150	150

TEST SEQUENCE

Begin Logging	12:46
Start Inflation	12:47
Begin Pumping	12:56
End Pumping	14:19
End Logging	14:27

PUMPING RECORD

Pumping Interval:	87	107
Pumping Rate:	5 gal/min	
Pumping Duration:	1:23	
Maximum Drawdown:	1.03	
Zone Volume	52	
Volume Purged	160	
Nature of Discharge:	clear	
Recovery Time	0:08	
Percentage Recovery	13.59%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.72900E-03	V=	9.87	8.31300E-03	V=	9.87	6.72000E-03	V=	9.87
5.1740E-03	V=	80.45	5.1760E-03	V=	94	4.7780E-03	V=	112.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.87

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.78	12.2	12.53	13.4	13.43
2	9.89	11.7	11.9	12.93	12.79
3	9.36	8.84	8.7	8.28	8.24

Miscellaneous Notes

Vaccuum created in pumping zone.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

at 1:16 PM due to miscommunication about when to sample. Restartedat 1:17 PM. Zone dewatered at 1:20 PM and pump shut off. Pump started at 1:32 PM at 5 gpm. Inline pump stopped at 1:38 PM. Geosub s

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	122	142	
PROJECT:	North Penn Area 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/7/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	17

SETTING DEPTHS

Point A:	115.45
Upper Packer - Top:	118.7
Upper Packer - Bottom:	122
Point B:	140.1
Lower Packer - Top:	142
Lower Packer - Bottom:	145.25
Assembly Bottom:	147.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
139	149
Actual PSI Used	
160	160

TEST SEQUENCE

Begin Logging	8:39
Start Inflation	8:45
Begin Pumping	9:02
End Pumping	10:24
End Logging	10:38

PUMPING RECORD

Pumping Interval:	122	142
Pumping Rate:	5 gal/min	
Pumping Duration:	1:22	
Maximum Drawdown:	1.12	
Zone Volume	52	
Volume Purged	175	
Nature of Discharge:	clear	
Recovery Time	0:14	
Percentage Recovery	-22.32%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.93500E-03	V=	7.2	9.53500E-03	V=	7.2	7.52500E-03	V=	7.2
5.1740E-03	V=	115.45	5.1760E-03	V=	129	4.7780E-03	V=	147.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.2

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.2	9.25	9.74	10.72	10.74
2	7.2	7.37	7.38	8.5	8.75
3	7.2	5.35	4.97	4.95	4.49

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Pump shut off 1 min after start to tighten pipe. Pump set to 5 gpm. Inline stopped at 9:38 AM. Geosub started at 9:48 AM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	176	196	
PROJECT:	North Penn Superfund 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/7/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	14

SETTING DEPTHS

Point A:	169.45
Upper Packer - Top:	172.7
Upper Packer - Bottom:	176
Point B:	194.1
Lower Packer - Top:	196
Lower Packer - Bottom:	199.25
Assembly Bottom:	201.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
170	179
Actual PSI Used	
180	190

TEST SEQUENCE

Begin Logging	12:36
Start Inflation	12:42
Begin Pumping	12:55
End Pumping	14:08
End Logging	14:21

PUMPING RECORD

Pumping Interval:	176	196
Pumping Rate:	5 gal/min	
Pumping Duration:	1:13	
Maximum Drawdown:	-0.26	
Zone Volume	52	
Volume Purged	175	
Nature of Discharge:	clear	
Recovery Time	0:13	
Percentage Recovery	-65.38%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.07600E-02	V=	7.33	1.13500E-02	V=	7.33	8.74000E-03	V=	7.33
5.1740E-03	V=	169.45	5.1760E-03	V=	183	4.7780E-03	V=	201.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.33

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.23	9.04	9.37	10	10:02
2	7.19	5.3	4.99	4.73	4.56
3	6.97	4.14	3.78	3.33	3.2

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Rate started at 5 gpm. Inline stopped at 1:27 PM. Geosub t=started at 1:42 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	199	219	
PROJECT:	North Penn Superfund 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/8/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	13

SETTING DEPTHS

Point A:	192.45
Upper Packer - Top:	195.7
Upper Packer - Bottom:	199
Point B:	217.1
Lower Packer - Top:	219
Lower Packer - Bottom:	222.25
Assembly Bottom:	224.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
183	192
Actual PSI Used	
200	200

TEST SEQUENCE

Begin Logging	8:46
Start Inflation	8:50
Begin Pumping	9:08
End Pumping	10:33
End Logging	10:42

PUMPING RECORD

Pumping Interval:	199	219
Pumping Rate:	5 gal/min	
Pumping Duration:	1:25	
Maximum Drawdown:	2	
Zone Volume	52	
Volume Purged	200	
Nature of Discharge:	clear	
Recovery Time	0:09	
Percentage Recovery	67.00%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.15700E-02	V=	7.18	1.22000E-02	V=	7.18	9.29000E-03	V=	7.18
5.1740E-03	V=	192.45	5.1760E-03	V=	206	4.7780E-03	V=	224.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.18

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.14	7.67	7.77	8.51	8.42
2	7.3	7.2	7.53	9.53	8.19
3	6.82	4.44	4.4	4.89	4.42

Miscellaneous Notes

9:28 AM power inverter shut off, transducers not reading for a minute.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Pump set to 5 gpm. Inline stopped at 9:46 AM. Geosub started at 9:58. Geosub stopped at 10:33 AM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	254	274	
PROJECT:	North Penn Superfund 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/8/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	11

SETTING DEPTHS

Point A:	247.45
Upper Packer - Top:	250.7
Upper Packer - Bottom:	254
Point B:	272.1
Lower Packer - Top:	274
Lower Packer - Bottom:	277.25
Assembly Bottom:	279.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
215	223
Actual PSI Used	
220	240

TEST SEQUENCE

Begin Logging	11:52
Start Inflation	11:56
Begin Pumping	12:13
End Pumping	13:23
End Logging	13:32

PUMPING RECORD

Pumping Interval:	254	274
Pumping Rate:	5 gal/min	
Pumping Duration:	1:10	
Maximum Drawdown:	2.78	
Zone Volume	52	
Volume Purged	210	
Nature of Discharge:	clear	
Recovery Time	0:09	
Percentage Recovery	97.12%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.34100E-02	V=	7.3	1.40000E-02	V=	7.3	1.05400E-02	V=	7.3
5.1740E-03	V=	247.45	5.1760E-03	V=	261	4.7780E-03	V=	279.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.3

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.31	7.74	7.78	8.06	7.99
2	7.4	5.74	5.98	8.76	6.06
3	7.67	4.91	4.92	5.33	4.84

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Rate set to 5 gpm. Inline pumpstopped at 12:45 PM. Geosub tarted at 12:54PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	280	300	
PROJECT:	North Penn Superfund 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/8/2023	W.O.	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	9

SETTING DEPTHS

Point A:	273.45
Upper Packer - Top:	276.7
Upper Packer - Bottom:	280
Point B:	298.1
Lower Packer - Top:	300
Lower Packer - Bottom:	303.25
Assembly Bottom:	305.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
230	238
Actual PSI Used	
250	260

TEST SEQUENCE

Begin Logging	14:28
Start Inflation	14:30
Begin Pumping	14:45
End Pumping	15:56
End Logging	16:03

PUMPING RECORD

Pumping Interval:	280	300
Pumping Rate:	5 gal/min	
Pumping Duration:	1:11	
Maximum Drawdown:	3.56	
Zone Volume	52	
Volume Purged	200	
Nature of Discharge:	clear	
Recovery Time	0:07	
Percentage Recovery	98.31%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.42700E-02	V=	7.39	1.48500E-02	V=	7.39	1.11100E-02	V=	7.39
5.1740E-03	V=	273.45	5.1760E-03	V=	287	4.7780E-03	V=	305.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.39

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.32	7.81	7.85	8.18	8.08
2	7.38	6.38	6.31	9.87	6.37
3	7.68	4.64	4.46	5.39	4.39

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Rate set t =o 5 gpm. Inline turned off at 3:16 PM. Geosub started at 3:26 PM. Shut off and restarted at 3:29 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well A	INTERVAL:	345	365	
PROJECT:	North Penn Superfund 5	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/9/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	6

SETTING DEPTHS

Point A:	338.45
Upper Packer - Top:	341.7
Upper Packer - Bottom:	345
Point B:	363.1
Lower Packer - Top:	365
Lower Packer - Bottom:	368.25
Assembly Bottom:	370.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
268	275
Actual PSI Used	
270	280

TEST SEQUENCE

Begin Logging	9:56
Start Inflation	10:00
Begin Pumping	10:21
End Pumping	11:36
End Logging	11:49

PUMPING RECORD

Pumping Interval:	345	365
Pumping Rate:	5 gal/min	
Pumping Duration:	1:15	
Maximum Drawdown:	9.16	
Zone Volume	52	
Volume Purged	200	
Nature of Discharge:	clear	
Recovery Time	0:13	
Percentage Recovery	94.54%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.45000E-02	V=	6.25	1.70400E-02	V=	6.25	1.25300E-02	V=	6.25
5.1740E-03	V=	338.45	5.1760E-03	V=	352	4.7780E-03	V=	370.35

Additional Calibration Notes

Top transducer most likely scraped by deviated well. Manual water levels taken.

WATER LEVELS (ft)

Open Hole Static Water Level: 6.25

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	6.25	7.6	7.8	8.1	7.98
2	5.78	3.44	3.24	12.4	3.74
3	6.09	2.8	2.36	8	2.4

Miscellaneous Notes

ne measured to be 7.83 at 10:47 AM. Water level in top zone measured to be 7.83 at 10:53 AM. Water level in top zone measured to

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Flow set to 5 gpm. Inline stopped at 10:56 AM. Geosub started at 11:06 AM.

SUMMARY

Single Top Packer (Inline)

WELL:	Well A	INTERVAL:	368	400	
PROJECT:	North Penn 5 Superfund	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/9/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	5

SETTING DEPTHS

Point A:	361.45
Upper Packer - Top:	364.7
Upper Packer - Bottom:	368
Pump Intake	392.9
Bottom of Assembly	399.9

PACKER INFLATION (psi)

TOP

Minimum Required
281
Actual PSI Used
380

TEST SEQUENCE

Begin Logging	13:09
Start Inflation	13:13
Begin Pumping	13:52
End Pumping	15:19
End Logging	15:29

PUMPING RECORD

Pumping Interval:	368	400
Pumping Rate:	5 gal/min	
Pumping Duration:	1:27	
Maximum Drawdown:	3.4	
Zone Volume	84	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:10	
Percentage Recovery	99.41%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
0.00000E+00	V=	7.28	1.77400E-02	V=	7.28	1.30200E-02	V=	7.28
5.1740E-03	V=	361.45	5.1760E-03	V=	375	4.7780E-03	V=	368

Additional Calibration Notes

Top zone transducer likely sheared from deviated well. Manual readings taken. Vaccuum noticed in pumping zone.

WATER LEVELS (ft)

Open Hole Static Water Level: 7.28

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.28	7.28	7.28	7.56	7.44
2	7.11	5.37	5.91	9.31	5.93
3	7.44	7.75	6.35	9.65	6.41

Miscellaneous Notes

at 2:23 PM. Water level in the top zone measured to be 7.81. Water level in the top zone measured to be 7.55 at 2:48 PM. Water leve

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Rate Adjustments

Lost seal before pumping started. Deflated from 300 psi and reinflated to 380 psi. Rate set to 5 gpm. Inline stopped at 2:36 PM. Geosub started at 2:48 PM.

Summary

Single Bottom Packer (Inline)

WELL:	Well B	INTERVAL:	9.55	52	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, SS	DATE:	1/27/2023	W.O.#:	FS1444

Initial Pipe Tally:	22
Pipes That Remain on Truck:	20

SETTING DEPTHS

Point A:	44.25
Lower Packer - Top:	52
Lower Packer - Bottom:	55.3
Assembly Bottom:	57.2

PACKER INFLATION (psi)

BOTTOM
Minimum Required
97
Actual PSI Used

TEST SEQUENCE

Begin Logging	13:34
Start Inflation	13:37
Begin Pumping	13:48
End Pumping	15:47
End Logging	15:47

PUMPING RECORD

Pumping Interval:	9.55	52
Pumping Rate:	5 gal/min	
Pumping Duration:	1:59	
Maximum Drawdown:	6.24	
Zone Volume	111	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:00	
Percentage Recovery	76.76%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.60301E-03	V=	9.55	6.58455E-03	V=	9.55	5.71532E-03	V=	9.55
5.1815E-03	V=	52.8	5.1659E-03	V=	52.75	4.7831E-03	V=	57.2

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.55

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.56	9.63	9.64	15.9	11.14
2	9.55	9.64	9.66	15.9	11.11
3	9.57	9.52	9.52	10.4	9.97

Miscellaneous Notes

nerator died at 1:49 PM, restarted at 1:49 PM. Stopped inline at 2:50 PM to allow client to remove tote, resumed with geosub at 3:21

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Initial Rate 5 GPM, geosub at 1.1

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	58	83	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	1/31/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	51.4
Upper Packer - Top:	54.7
Upper Packer - Bottom:	58
Point B:	80.7
Lower Packer - Top:	83
Lower Packer - Bottom:	86.3
Assembly Bottom:	88.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
101	114
Actual PSI Used	
130	195

TEST SEQUENCE	
Begin Logging	14:19
Start Inflation	14:23
Begin Pumping	14:31
End Pumping	15:46
End Logging	15:47

PUMPING RECORD		
Pumping Interval:	58	83
Pumping Rate:	5 gal/min	
Pumping Duration:	1:15	
Maximum Drawdown:	28.44	
Zone Volume	65	
Volume Purged	230	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	99.37%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.63573E-03	V=	9.9	7.32198E-03	V=	9.9	6.09251E-03	V=	9.9
5.1815E-03	V=	51.4	5.1659E-03	V=	68	4.7831E-03	V=	88.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.9

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.9	9.89	9.9	10.61	10.31
2	9.88	9.81	9.85	38.29	10.03
3	9.91	9.71	9.73	18.78	10.11

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	22
Pipes That Remain on Truck:	20

with casing 13.1

RATE ADJUSTMENTS

in-line started at 5gpm, in-line sut off at 3:10 PM, geosub started 3:20 PM at 1gpm,

SUMMARY

bottom zone drawdown so added 55psi at 2:34 PM

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	86	101	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	1/30/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	79.4
Upper Packer - Top:	82.7
Upper Packer - Bottom:	86
Point B:	98.7
Lower Packer - Top:	101
Lower Packer - Bottom:	104.3
Assembly Bottom:	106.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
115	123
Actual PSI Used	
160	150

TEST SEQUENCE	
Begin Logging	13:00
Start Inflation	13:06
Begin Pumping	13:18
End Pumping	14:23
End Logging	14:25

PUMPING RECORD		
Pumping Interval:	86	101
Pumping Rate:	5 gal/min	
Pumping Duration:	1:05	
Maximum Drawdown:	0.59	
Zone Volume	39	
Volume Purged	140	
Nature of Discharge:	clear	
Recovery Time	0:02	
Percentage Recovery	71.19%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.60230E-03	V=	13	8.23430E-03	V=	13	6.81291E-03	V=	13
5.1815E-03	V=	79.4	5.1659E-03	V=	98.1	4.7831E-03	V=	106.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 13

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	13.01	12.98	13.06	13.32	13.25
2	13	12.98	12.98	13.57	13.15
3	13.01	12.76	12.78	13.16	12.97

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	22
Pipes That Remain on Truck:	18

RATE ADJUSTMENTS

started in-line at 5gpm, shut off in-line at 1:43 PM, started geosub at 1:55 PM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	133	158	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	2/1/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	126.4
Upper Packer - Top:	129.7
Upper Packer - Bottom:	133
Point B:	155.7
Lower Packer - Top:	158
Lower Packer - Bottom:	161.3
Assembly Bottom:	163.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
144	156
Actual PSI Used	
165	240

TEST SEQUENCE	
Begin Logging	9:46
Start Inflation	9:52
Begin Pumping	10:01
End Pumping	11:16
End Logging	11:19

PUMPING RECORD		
Pumping Interval:	133	158
Pumping Rate:	5 gal/min	
Pumping Duration:	1:15	
Maximum Drawdown:	133.38	
Zone Volume	65	
Volume Purged	240	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	99.36%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.18638E-03	V=	10	9.87438E-03	V=	10	7.79040E-03	V=	10
5.1815E-03	V=	126.4	5.1659E-03	V=	143	4.7831E-03	V=	163.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 10

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.03	10.04	10.07	10.55	10.35
2	10.08	9.9	9.94	143.32	10.79
3	10.02	0.75	9.76	47.07	10.3

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 5gpm, in-line cut at 10:38 AM, geosub started 10:53 AM at 1gpm,

SUMMARY

bottom zone drawdown, added 40psi to bottom 10:04 AM

Initial Pipe Tally:	22
Pipes That Remain on Truck:	16

with casing 13.2

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	169	194	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	2/1/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	162.4
Upper Packer - Top:	165.7
Upper Packer - Bottom:	169
Point B:	191.7
Lower Packer - Top:	194
Lower Packer - Bottom:	197.3
Assembly Bottom:	199.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
165	177
Actual PSI Used	
240	210

TEST SEQUENCE	
Begin Logging	12:53
Start Inflation	12:55
Begin Pumping	13:07
End Pumping	14:33
End Logging	14:34

PUMPING RECORD		
Pumping Interval:	169	194
Pumping Rate:	5 gal/min	
Pumping Duration:	1:26	
Maximum Drawdown:	1.09	
Zone Volume	65	
Volume Purged	230	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	82.57%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.04425E-02	V=	10.1	1.11214E-02	V=	10.1	8.63111E-03	V=	10.1
5.1815E-03	V=	162.4	5.1659E-03	V=	179	4.7831E-03	V=	199.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 10.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.09	10.05	10.07	10.49	10.27
2	10.09	9.83	9.84	10.93	10.03
3	10.17	9.72	9.69	10.5	9.92

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 5gpm, in-line cut at 1:49 PM, geosub started 2:07 PM at1gpm,

SUMMARY

Initial Pipe Tally:	22
Pipes That Remain on Truck:	14
with casing	
13.3	

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	195	210	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	1/30/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	188.4
Upper Packer - Top:	191.7
Upper Packer - Bottom:	195
Point B:	207.7
Lower Packer - Top:	210
Lower Packer - Bottom:	213.3
Assembly Bottom:	215.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
180	186
Actual PSI Used	
210	200

TEST SEQUENCE	
Begin Logging	8:50
Start Inflation	8:53
Begin Pumping	9:03
End Pumping	10:07
End Logging	10:09

PUMPING RECORD		
Pumping Interval:	195	210
Pumping Rate:	5 gal/min	
Pumping Duration:	1:04	
Maximum Drawdown:	8.54	
Zone Volume	39	
Volume Purged	140	
Nature of Discharge:	clear	
Recovery Time	0:02	
Percentage Recovery	97.54%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.13250E-02	V=	9.9	1.19472E-02	V=	9.9	9.28667E-03	V=	9.9
5.1815E-03	V=	188.4	5.1659E-03	V=	207.1	4.7831E-03	V=	215.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.9

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.88	9.84	9.86	10.31	10.05
2	9.9	9.81	9.82	18.36	10.03
3	9.9	9.13	8.96	9.7	8.95

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 5gpm, in-line cut at 9:26 AM, geosub started at 9:39 AM at 1gpm,

SUMMARY

Initial Pipe Tally:	22
Pipes That Remain on Truck:	13

with casing 13.1

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	261	286	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	2/2/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	254.4
Upper Packer - Top:	257.7
Upper Packer - Bottom:	261
Point B:	283.7
Lower Packer - Top:	286
Lower Packer - Bottom:	289.3
Assembly Bottom:	291.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
218	228
Actual PSI Used	
360	260

TEST SEQUENCE	
Begin Logging	9:24
Start Inflation	9:28
Begin Pumping	9:39
End Pumping	11:23
End Logging	11:34

PUMPING RECORD		
Pumping Interval:	261	286
Pumping Rate:	5 gal/min	
Pumping Duration:	1:44	
Maximum Drawdown:	0.64	
Zone Volume	65	
Volume Purged	240	
Nature of Discharge:	clear	
Recovery Time	0:11	
Percentage Recovery	184.38%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.35650E-02	V=	10	1.42321E-02	V=	10	1.07040E-02	V=	10
5.1815E-03	V=	254.4	5.1659E-03	V=	271	4.7831E-03	V=	291.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level:	10

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.99	9.92	9.95	10.58	10.16
2	10.01	9.91	9.94	10.58	9.4
3	9.99	8.39	8.26	8.57	8.02

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line starting at 5gpm, pump shut off 9:40 AM due to frozen disharge hose, pump restarted 9:47 AM at 5gpm, cut in-line at 10:25 AM, in-line started in error and shut off at 10:55 AM, geosub started 10:55 AM at 1gpm,

SUMMARY

top packer lost air, reinflating at 10:29 AM,

Initial Pipe Tally:	22
Pipes That Remain on Truck:	10

test inflation numbas	
top	bot
230	240

with casing
13.2

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	288	313	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	2/2/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	281.4
Upper Packer - Top:	284.7
Upper Packer - Bottom:	288
Point B:	310.7
Lower Packer - Top:	313
Lower Packer - Bottom:	316.3
Assembly Bottom:	318.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
233	244
Actual PSI Used	
300	310

TEST SEQUENCE	
Begin Logging	12:39
Start Inflation	12:45
Begin Pumping	12:55
End Pumping	14:01
End Logging	14:06

PUMPING RECORD		
Pumping Interval:	288	313
Pumping Rate:	5 gal/min	
Pumping Duration:	1:06	
Maximum Drawdown:	36.46	
Zone Volume	65	
Volume Purged	170	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	99.01%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.44637E-02	V=	10	1.51260E-02	V=	10	1.13010E-02	V=	10
5.1815E-03	V=	281.4	5.1659E-03	V=	298	4.7831E-03	V=	318.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level:	10	with casing	13.2

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.01	10.16	10.18	10.4	10.32
2	10	8.11	8.11	44.57	8.47
3	10	7.32	7.29	18.01	7.52

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	22
Pipes That Remain on Truck:	9

test inflation numbas		test rondup	
top	bot	top	bot
240	250	250	260

RATE ADJUSTMENTS

in-line started at 5gpm, cut in-line at 1:22 PM, in-line turned on in error and shut off at 1:34 PM, geosub turned on 1:34 PM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well B	INTERVAL:	295	320	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	2/2/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	288.4
Upper Packer - Top:	291.7
Upper Packer - Bottom:	295
Point B:	317.7
Lower Packer - Top:	320
Lower Packer - Bottom:	323.3
Assembly Bottom:	325.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
237	247
Actual PSI Used	
355	0

TEST SEQUENCE	
Begin Logging	14:41
Start Inflation	14:43
Begin Pumping	15:06
End Pumping	16:41
End Logging	16:42

PUMPING RECORD		
Pumping Interval:	295	320
Pumping Rate:	5 gal/min	
Pumping Duration:	1:35	
Maximum Drawdown:	216.89	
Zone Volume	65	
Volume Purged	300	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	98.67%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.47114E-02	V=	10	1.53723E-02	V=	10	1.14648E-02	V=	10
5.1815E-03	V=	288.4	5.1659E-03	V=	305	4.7831E-03	V=	325.35

Additional Calibration Notes

top packer inflation only, actual inerval 295-TD

WATER LEVELS (ft)

Open Hole Static Water Level:	10

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.8	10.38	10.38	10.6	10.52
2	9.9	8.08	7.93	224.82	10.81
3	9.89	7.91	7.77	243.91	10.29

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 5gpm, in-line cut at 3:58 PM, geosub started 4:09 PM at 1gpm,

SUMMARY

packer slipped ater inflating, deflated and lifted back to position to reinflate at 2:50 PM, restarted inflation 2:56 PM

Initial Pipe Tally:	22
Pipes That Remain on Truck:	9

with casing
13.2

test inflation numbas		test rondup	
top	bot	top	bot
250	260	250	260

Single Bottom Packer (Inline)

WELL:	Well C	INTERVAL:	7.9	70	
PROJECT:	North Penn Superfund Site 5	CLIENT:	HGL		
PERSONNEL:	CC JE	DATE:	5/8/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	58.5
Lower Packer - Top:	67.9
Lower Packer - Bottom:	70
Assembly Bottom:	72.1

PACKER INFLATION (psi)
BOTTOM
Minimum Required
108
Actual PSI Used
120

TEST SEQUENCE	
Begin Logging	10:43
Start Inflation	10:46
Begin Pumping	11:13
End Pumping	14:38
End Logging	14:48

PUMPING RECORD		
Pumping Interval:	7.9	70
Pumping Rate:	6 gal/min	
Pumping Duration:	3:25	
Maximum Drawdown:	1.95	
Zone Volume	162	
Volume Purged	500	
Nature of Discharge:	Clear	
Recovery Time	0:10	
Percentage Recovery	93.33%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.08000E-03	V=	7.9	7.13000E-03	V=	7.9	7.09000E-03	V=	7.9
4.7680E-03	V=	68.8	5.1460E-03	V=	68.7	5.1630E-03	V=	72.1

Additional Calibration Notes

Adjusted bottom packer PSI to 130 at 11:18 AM

WATER LEVELS (ft)

Open Hole Static Water Level: 7.9

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.77	7.83	7.88	9.93	8.13
2	7.87	7.95	8.13	10.08	8.26
3	7.82	7.52	7.75	8.09	7.64

Miscellaneous Notes

Recording stopped at 12:44 PM to replace generator. Recording resumed at 1:14 PM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	20

RATE ADJUSTMENTS

Pump shut off at 12:01 PM to drain purge tank. Logging stopped at 12:45 to get rental generator. Logging started at 1:15. Pump restarted at 1:20 PM. Geosub started at 1:57 PM at approx 1gpm.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	73	103	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	3/14/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	66.4
Upper Packer - Top:	69.7
Upper Packer - Bottom:	73
Point B:	101.1
Lower Packer - Top:	103
Lower Packer - Bottom:	106.3
Assembly Bottom:	108.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
111	127
Actual PSI Used	
140	145

TEST SEQUENCE	
Begin Logging	14:10
Start Inflation	14:12
Begin Pumping	15:51
End Pumping	16:56
End Logging	16:57

PUMPING RECORD		
Pumping Interval:	73	103
Pumping Rate:	8 gal/min	
Pumping Duration:	1:05	
Maximum Drawdown:	7.8	
Zone Volume	78	
Volume Purged	275	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	90.38%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.18279E-03	V=	7.8	8.00665E-03	V=	7.8	6.74278E-03	V=	7.8
5.1498E-03	V=	66.4	5.1829E-03	V=	73	4.7693E-03	V=	108.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.8

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.73	7.95	8.58	10.73	9
2	7.59	7.69	8.52	16.32	9.27
3	8.05	7.95	8.28	9.64	10.07

Miscellaneous Notes

stopped logging at 2:27 PM, resumed 3.50 PM

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	17

RATE ADJUSTMENTS

started pump at 8gpm, cut in line at 4:17 PM, geosub started 4:24 PM at 1gpm

SUMMARY

added 20 more psi in top and bottom at 3:55 PM

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	114	144	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	3/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	107.4
Upper Packer - Top:	110.7
Upper Packer - Bottom:	114
Point B:	142.1
Lower Packer - Top:	144
Lower Packer - Bottom:	147.3
Assembly Bottom:	149.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
134	149
Actual PSI Used	
160	180

TEST SEQUENCE	
Begin Logging	8:55
Start Inflation	8:57
Begin Pumping	9:08
End Pumping	10:24
End Logging	10:27

PUMPING RECORD		
Pumping Interval:	114	144
Pumping Rate:	8 gal/min	
Pumping Duration:	1:16	
Maximum Drawdown:	8.85	
Zone Volume	78	
Volume Purged	275	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	88.47%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.60652E-03	V=	8.2	9.44420E-03	V=	8.2	7.50618E-03	V=	8.2
5.1498E-03	V=	107.4	5.1829E-03	V=	125.2	4.7693E-03	V=	149.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.2

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.21	8.55	8.86	10.08	9.45
2	8.11	8.34	8.48	17.33	9.5
3	8.41	7.84	7.89	8.57	8.3

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	15

RATE ADJUSTMENTS

in-line starting at 8gpm, shut off pump at 9:37 AM, geosub started at 9:47 AM at 1gpm

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	150	180	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	3/15/2023	W.O.#:	FS1444

Initial Pipe Tally:	20
Pipes That Remain on Truck:	13

SETTING DEPTHS

Point A:	143.4
Upper Packer - Top:	146.7
Upper Packer - Bottom:	150
Point B:	178.1
Lower Packer - Top:	180
Lower Packer - Bottom:	183.3
Assembly Bottom:	185.4

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
155	170
Actual PSI Used	
190	190

TEST SEQUENCE

Begin Logging	11:00
Start Inflation	11:05
Begin Pumping	11:28
End Pumping	12:40
End Logging	12:42

PUMPING RECORD

Pumping Interval:	150	180
Pumping Rate:	7 gal/min	
Pumping Duration:	1:12	
Maximum Drawdown:	164.75	
Zone Volume	78	
Volume Purged	250	
Nature of Discharge:	clear	
Recovery Time	0:02	
Percentage Recovery	100.54%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.84428E-03	V=	8.3	1.06592E-02	V=	8.3	8.32121E-03	V=	8.3
5.1498E-03	V=	143.4	5.1829E-03	V=	161.2	4.7693E-03	V=	185.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.3

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.29	8.69	9.09	10.01	9.49
2	8.39	8.69	9.3	174.05	8.41
3	8.39	7.91	8.17	8.44	8.56

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 7gpm, cut in-line at 12:04 PM, geosub turned on at 12:17 PM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	182	207	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	3/27/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	175.4
Upper Packer - Top:	178.7
Upper Packer - Bottom:	182
Point B:	205.1
Lower Packer - Top:	207
Lower Packer - Bottom:	210.3
Assembly Bottom:	212.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
173	185
Actual PSI Used	
200	200

TEST SEQUENCE	
Begin Logging	14:13
Start Inflation	14:16
Begin Pumping	14:28
End Pumping	15:47
End Logging	15:48

PUMPING RECORD		
Pumping Interval:	182	207
Pumping Rate:	5 gal/min	
Pumping Duration:	1:19	
Maximum Drawdown:	179.96	
Zone Volume	65	
Volume Purged	250	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	100.21%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.09118E-02	V=	8.38	1.15809E-02	V=	8.38	1.17366E-02	V=	8.38
5.1404E-03	V=	175.4	5.1603E-03	V=	193.2	4.7787E-03	V=	212.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.38

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.33	8.68	8.95	9.73	9.55
2	8.35	8.01	8.54	188.5	8.17
3	8.38	7.79	7.75	8.74	8.48

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	12

RATE ADJUSTMENTS

in-line started at 5gpm, cut in-line at 3:08 PM, started geosub at 3:19 PM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	208	233	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	3/28/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	201.4
Upper Packer - Top:	204.7
Upper Packer - Bottom:	208
Point B:	231.1
Lower Packer - Top:	233
Lower Packer - Bottom:	236.3
Assembly Bottom:	238.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
188	199
Actual PSI Used	
250	250

TEST SEQUENCE	
Begin Logging	10:20
Start Inflation	10:21
Begin Pumping	10:35
End Pumping	11:13
End Logging	11:50

PUMPING RECORD		
Pumping Interval:	208	233
Pumping Rate:	5 gal/min	
Pumping Duration:	0:38	
Maximum Drawdown:	1.72	
Zone Volume	65	
Volume Purged	225	
Nature of Discharge:	clear	
Recovery Time	0:37	
Percentage Recovery	108.14%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.18059E-02	V=	8.38	1.25071E-02	V=	8.38	1.25976E-02	V=	8.38
5.1404E-03	V=	201.4	5.1603E-03	V=	219.2	4.7787E-03	V=	238.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.38

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.38	8.77	9.1	9.05	9.44
2	8.34	8.11	8.15	9.87	8.01
3	8.37	7.11	6.89	6.99	6.87

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	11

RATE ADJUSTMENTS

in-line started at 5gpm, Geosub started at 11:26 AM, geosub turned off at 11:49 AM

SUMMARY

increased packer psi at 10:27 AM for better grip

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	233	263	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	3/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	226.4
Upper Packer - Top:	229.7
Upper Packer - Bottom:	233
Point B:	261.1
Lower Packer - Top:	263
Lower Packer - Bottom:	266.3
Assembly Bottom:	268.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
202	216
Actual PSI Used	
225	230

TEST SEQUENCE	
Begin Logging	13:23
Start Inflation	13:28
Begin Pumping	13:38
End Pumping	14:57
End Logging	15:00

PUMPING RECORD		
Pumping Interval:	233	263
Pumping Rate:	7 gal/min	
Pumping Duration:	1:19	
Maximum Drawdown:	179.29	
Zone Volume	78	
Volume Purged	260	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	100.27%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.26620E-02	V=	8.3	1.34533E-02	V=	8.3	1.01703E-02	V=	8.3
5.1498E-03	V=	226.4	5.1829E-03	V=	244.2	4.7693E-03	V=	268.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.3

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.28	8.47	8.54	9.07	8.8
2	8.39	8.19	8.56	187.85	8.07
3	8.32	6.78	6.67	6.29	6.63

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 7gpm, in-line cut at 2:13 PM, geosub started 2:22 PM at 1gpm,

SUMMARY

Initial Pipe Tally:	20
Pipes That Remain on Truck:	9

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	267	297	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	3/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	260.4
Upper Packer - Top:	263.7
Upper Packer - Bottom:	267
Point B:	295.1
Lower Packer - Top:	297
Lower Packer - Bottom:	300.3
Assembly Bottom:	302.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
222	235
Actual PSI Used	
240	250

TEST SEQUENCE	
Begin Logging	8:29
Start Inflation	8:40
Begin Pumping	8:54
End Pumping	10:20
End Logging	10:21

PUMPING RECORD		
Pumping Interval:	267	297
Pumping Rate:	5 gal/min	
Pumping Duration:	1:26	
Maximum Drawdown:	23.51	
Zone Volume	78	
Volume Purged	275	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	87.92%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.37942E-02	V=	8.4	1.45762E-02	V=	8.4	1.09323E-02	V=	8.4
5.1498E-03	V=	260.4	5.1829E-03	V=	278.2	4.7693E-03	V=	302.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.4

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.47	8.66	8.76	9.18	9.08
2	8.07	7.73	7.74	31.25	10.58
3	8.34	6.49	6.15	6.44	6.53

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	8

RATE ADJUSTMENTS

in-line started at 5gpm, cut in0line at 9:39 AM, geosub started at 9:49 AM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well C	INTERVAL:	298	323	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	3/28/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	291.4
Upper Packer - Top:	294.7
Upper Packer - Bottom:	298
Point B:	321.1
Lower Packer - Top:	323
Lower Packer - Bottom:	326.3
Assembly Bottom:	328.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
240	250
Actual PSI Used	
290	280

TEST SEQUENCE	
Begin Logging	12:53
Start Inflation	12:54
Begin Pumping	13:08
End Pumping	14:19
End Logging	14:20

PUMPING RECORD		
Pumping Interval:	298	323
Pumping Rate:	5 gal/min	
Pumping Duration:	1:11	
Maximum Drawdown:	20.96	
Zone Volume	65	
Volume Purged	210	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	97.38%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.47784E-02	V=	8.38	1.54729E-02	V=	8.38	1.55501E-02	V=	8.38
5.1404E-03	V=	291.4	5.1603E-03	V=	309.2	4.7787E-03	V=	328.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.38

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.37	8.57	8.7	8.65	8.86
2	8.34	6.75	6.59	27.55	7.14
3	8.37	6.68	6.44	7.59	6.62

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	6

RATE ADJUSTMENTS

in-line starting 5 gpm, cut in-line at 1:47 PM, geosub started at 2:00 PM at 1gpm

SUMMARY

EDN
Earth Data Northeast, Inc.

Single Bottom Packer (Inline)

WELL:	Well D	INTERVAL:	9.1	70	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/14/2023	W.O.#:	FS1444

SETTING DEPTHS		
Point A:	62.25	
Lower Packer - Top:	70	
Lower Packer - Bottom:	73.3	
Assembly Bottom:	75.2	

PACKER INFLATION (psi)
BOTTOM
Minimum Required
107
Actual PSI Used
120

TEST SEQUENCE	
Begin Logging	10:19
Start Inflation	10:20
Begin Pumping	10:33
End Pumping	13:23
End Logging	13:29

PUMPING RECORD		
Pumping Interval:	9.1	70
Pumping Rate:	5 gal/min	
Pumping Duration:	2:50	
Maximum Drawdown:	0.9	
Zone Volume	159	
Volume Purged	3	
Nature of Discharge:	clear.	
Recovery Time	0:06	
Percentage Recovery	65.56%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.98300E-03	V=	9.1	7.58600E-03	V=	9.1	6.25800E-03	V=	9.1
5.1530E-03	V=	97.4	5.1810E-03	V=	78.8	4.7780E-03	V=	75.2

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.06	9.28	9.59	11.5	10.16
2	9.07	9.21	9.39	10.29	9.7
3	9.1	8.97	8.94	9.25	9.09

Miscellaneous Notes

Top transducer line at 1:19 became loose from battery box. Fixed around 1:21PM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	19

RATE ADJUSTMENTS

Rate set to 5 gpm. Pump stopped at 11:30 AM to empty purge tank. Pump restarted at 12:06 PM. Inline pump stopped at 12:45 PM. Geosub started at 12:52 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	71	92	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/14/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	64.6
Upper Packer - Top:	67.7
Upper Packer - Bottom:	71
Point B:	90.1
Lower Packer - Top:	92
Lower Packer - Bottom:	95.3
Assembly Bottom:	97.2

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
109	120
Actual PSI Used	
110	140

TEST SEQUENCE	
Begin Logging	15:10
Start Inflation	15:13
Begin Pumping	15:21
End Pumping	16:32
End Logging	16:35

PUMPING RECORD		
Pumping Interval:	71	92
Pumping Rate:	5 gal/min	
Pumping Duration:	1:11	
Maximum Drawdown:	1.5	
Zone Volume	55	
Volume Purged	200 gal	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	85.33%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.06600E-03	V=	9.1	7.66000E-03	V=	9.1	6.30700E-03	V=	9.1
5.1640E-03	V=	64.6	5.1810E-03	V=	77.3	4.7780E-03	V=	97.2

Additional Calibration Notes

10 more psi added to top packer at 3:28 PM.

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.06	9.26	9.37	10.11	9.65
2	9.08	9.26	9.33	10.83	9.55
3	9.06	8.87	8.87	9.29	8.98

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	19

RATE ADJUSTMENTS

Rate set to 5 gpm. Inline stopped at 3:52PM. Geosub started at 3:58 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	99	120	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	92.6
Upper Packer - Top:	95.7
Upper Packer - Bottom:	99
Point B:	118.1
Lower Packer - Top:	120
Lower Packer - Bottom:	123.3
Assembly Bottom:	125.2

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
125	135
Actual PSI Used	
150	160

TEST SEQUENCE	
Begin Logging	9:01
Start Inflation	9:03
Begin Pumping	9:13
End Pumping	10:27
End Logging	10:37

PUMPING RECORD		
Pumping Interval:	99	120
Pumping Rate:	5 gal/min	
Pumping Duration:	1:14	
Maximum Drawdown:	1.46	
Zone Volume	55	
Volume Purged	200	
Nature of Discharge:	clear	
Recovery Time	0:10	
Percentage Recovery	60.96%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.04700E-03	V=	9.1	8.65100E-03	V=	9.1	6.86000E-03	V=	9.1
5.1640E-03	V=	92.6	5.1810E-03	V=	105.3	4.7780E-03	V=	125.2

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.07	9.31	9.58	10.41	10.19
2	9.14	9.45	9.7	11.16	10.27
3	9.09	8.63	8.56	8.66	8.48

Miscellaneous Notes

Car wasn't on, lost power at 9:23 AM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	18

RATE ADJUSTMENTS

Rate set to 5 gpm. Inline turned off at 9:49 AM. Geosub started at 9:58 AM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	124	145	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	117.6
Upper Packer - Top:	120.7
Upper Packer - Bottom:	124
Point B:	143.1
Lower Packer - Top:	145
Lower Packer - Bottom:	148.3
Assembly Bottom:	150.2

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
139	149
Actual PSI Used	
160	160

TEST SEQUENCE	
Begin Logging	11:15
Start Inflation	11:20
Begin Pumping	11:32
End Pumping	13:31
End Logging	13:42

PUMPING RECORD		
Pumping Interval:	124	145
Pumping Rate:	5 gal/min	
Pumping Duration:	1:59	
Maximum Drawdown:	1.92	
Zone Volume	55	
Volume Purged	200	
Nature of Discharge:	clear	
Recovery Time	0:11	
Percentage Recovery	45.83%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.90600E-03	V=	9.1	9.50300E-03	V=	9.1	7.53200E-03	V=	9.1
5.1640E-03	V=	117.6	5.1810E-03	V=	130.3	4.7780E-03	V=	150.2

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.05	9.36	9.57	10.22	10.12
2	9.12	9.18	9.3	11.22	10.34
3	9.03	8.4	8.33	9.66	9.2

Miscellaneous Notes

Vaccuum created.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	17

RATE ADJUSTMENTS

AM and pump shut off. Pump restarted at 12:08 PM. Dewatered at 12:23 PM, pump shut off. Pump restarted at 12:39 PM. Inline stopped at 12:48 PM. Geosub started at 12:59 PM. Generator ranout of gas at

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	150	171	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	JE JH	DATE:	2/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	143.6
Upper Packer - Top:	146.7
Upper Packer - Bottom:	150
Point B:	169.1
Lower Packer - Top:	171
Lower Packer - Bottom:	174.3
Assembly Bottom:	176.2

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
154	164
Actual PSI Used	
160	190

TEST SEQUENCE	
Begin Logging	2;21
Start Inflation	2:26
Begin Pumping	14:35
End Pumping	15:52
End Logging	15:57

PUMPING RECORD		
Pumping Interval:	150	171
Pumping Rate:	5 gal/min	
Pumping Duration:	1:17	
Maximum Drawdown:	67.24	
Zone Volume	55	
Volume Purged	3	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	100.09%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.79700E-03	V=	9.1	1.03900E-02	V=	9.1	8.12400E-03	V=	9.1
5.1640E-03	V=	143.6	5.1810E-03	V=	156.3	4.7780E-03	V=	176.2

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.08	9.4	9.58	10.1	10
2	9.11	8.49	8.36	75.6	8.3
3	9.05	8.22	8.1	9.34	8.05

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	15

RATE ADJUSTMENTS

RATE SET TO 5 GPM. Inline stopped at 3:10. Geosub started at 3:17 PM. Battery Box lost power and repowered at 3:18 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	195	230	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	MD JE	DATE:	3/6/2023	W.O.#:	

Initial Pipe Tally:	19
Pipes That Remain on Truck:	10

SETTING DEPTHS

Point A:	188.4
Upper Packer - Top:	191.7
Upper Packer - Bottom:	195
Point B:	228.1
Lower Packer - Top:	230
Lower Packer - Bottom:	233.3
Assembly Bottom:	235.3

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
180	198
Actual PSI Used	
200	210

TEST SEQUENCE

Begin Logging	14:31
Start Inflation	14:32
Begin Pumping	14:47
End Pumping	16:24
End Logging	16:28

PUMPING RECORD

Pumping Interval:	195	230
Pumping Rate:	5 gal/min	
Pumping Duration:	1:37	
Maximum Drawdown:	1.79	
Zone Volume	91	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:04	
Percentage Recovery	40.78%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.13406E-02	V=	8.82	1.21047E-02	V=	8.82	1.21709E-02	V=	8.82
5.1890E-03	V=	188.4	5.2170E-03	V=	210.1	5.1710E-03	V=	235.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.82

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.01	9.35	9.66	10.57	10.98
2	9.48	9.19	8.85	10.64	9.91
3	9.01	7.94	7.96	9.05	9.26

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

starting in-line at 6gpm, cut in-line at 3:43 PM, started geosub at 3:55 PM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	230	265	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	MD JE	DATE:	3/7/2023	W.O.#:	

Initial Pipe Tally:	19
Pipes That Remain on Truck:	9

SETTING DEPTHS

Point A:	223.4
Upper Packer - Top:	226.7
Upper Packer - Bottom:	230
Point B:	263.1
Lower Packer - Top:	265
Lower Packer - Bottom:	268.3
Assembly Bottom:	270.3

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
200	217
Actual PSI Used	
225	240

TEST SEQUENCE

Begin Logging	9:27
Start Inflation	9:31
Begin Pumping	9:47
End Pumping	11:35
End Logging	11:36

PUMPING RECORD

Pumping Interval:	230	265
Pumping Rate:	5 gal/min	
Pumping Duration:	1:48	
Maximum Drawdown:	1.41	
Zone Volume	91	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:01	
Percentage Recovery	116.31%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.25792E-02	V=	8.82	1.33421E-02	V=	8.82	1.33926E-02	V=	8.82
5.1890E-03	V=	223.4	5.2170E-03	V=	245.1	5.1710E-03	V=	270.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.82

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.15	8.39	8.55	9.09	8.81
2	8.54	8.5	8.4	9.81	8.17
3	8.34	6.6	6.49	6.41	6.38

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Rate adjusted to 5 gpm at 9:47 AM. Cut in-line at 10:46 AM, geosub started at 11:07 AM at 1gpm

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	297	332	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	MD JE	DATE:	3/7/2023	W.O.#:	

Initial Pipe Tally:	19
Pipes That Remain on Truck:	5

SETTING DEPTHS

Point A:	290.4
Upper Packer - Top:	293.7
Upper Packer - Bottom:	297
Point B:	330.1
Lower Packer - Top:	332
Lower Packer - Bottom:	335.3
Assembly Bottom:	337.3

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
239	255
Actual PSI Used	
265	265

TEST SEQUENCE

Begin Logging	13:04
Start Inflation	13:05
Begin Pumping	13:18
End Pumping	15:01
End Logging	15:02

PUMPING RECORD

Pumping Interval:	297	332
Pumping Rate:	4 gal/min	
Pumping Duration:	1:43	
Maximum Drawdown:	6.56	
Zone Volume	91	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:01	
Percentage Recovery	90.55%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.48111E-02	V=	8.4	1.56001E-02	V=	8.4	1.56119E-02	V=	8.4
5.1890E-03	V=	290.4	5.2170E-03	V=	312.1	5.1710E-03	V=	337.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.4

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.39	8.42	8.41	9.17	9.09
2	8.52	7.59	7.36	13.92	7.98
3	8.39	6.56	6.46	7.09	6.55

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line starting at 5gpm, cut in-line at 2:16 PM, geosub started at 2:24 PM at 1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well D	INTERVAL:	335	370	
PROJECT:	NP Area 5 Superfund	CLIENT:	HGL		
PERSONNEL:	MD JE	DATE:	3/7/2023	W.O.#:	

Initial Pipe Tally:	19
Pipes That Remain on Truck:	4

SETTING DEPTHS

Point A:	328.4
Upper Packer - Top:	331.7
Upper Packer - Bottom:	335
Point B:	368.1
Lower Packer - Top:	370
Lower Packer - Bottom:	373.3
Assembly Bottom:	375.3

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
261	276
Actual PSI Used	
290	290

TEST SEQUENCE

Begin Logging	8:58
Start Inflation	9:00
Begin Pumping	9:13
End Pumping	10:51
End Logging	10:55

PUMPING RECORD

Pumping Interval:	335	370
Pumping Rate:	5 gal/min	
Pumping Duration:	1:38	
Maximum Drawdown:	4.76	
Zone Volume	91	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:04	
Percentage Recovery	105.67%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.60889E-02	V=	9.1	1.68354E-02	V=	9.1	1.68873E-02	V=	9.1
5.1890E-03	V=	328.4	5.2170E-03	V=	350.1	5.1710E-03	V=	375.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.15	9.18	9.27	9.45	9.61
2	9.13	7.54	7.58	12.34	7.31
3	9.12	7.4	7.4	8.16	7.57

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line initial rate 5gpm, cut in-line at 10:10 AM, geosub started 10:20 AM at 1gpm,

SUMMARY

Single Top Packer

WELL:	Well D	INTERVAL:	370	400	
PROJECT:	NP Area 5Superfund	CLIENT:	HGL		
PERSONNEL:	JEJH	DATE:	2/16/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	363.6
Upper Packer - Top:	366.7
Upper Packer - Bottom:	370
Assembly Bottom:	380.25

PACKER INFLATION (psi)
TOP
Minimum Required
281
Actual PSI Used
290

TEST SEQUENCE	
Begin Logging	12:06
Start Inflation	12:10
Begin Pumping	12:21
End Pumping	15:27
End Logging	15:38

PUMPING RECORD		
Pumping Interval:	370	400
Pumping Rate:	5 gal/min	
Pumping Duration:	3:06	
Maximum Drawdown:	19.04	
Zone Volume	73	
Volume Purged	280	
Nature of Discharge:	clear	
Recovery Time	0:11	
Percentage Recovery	90.44%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.72300E-02	V=	8.7	1.77980E-02	V=	8.7	1.30690E-02	V=	8.7
5.1640E-03	V=	363.6	5.1810E-03	V=	370	4.7780E-03	V=	370

Additional Calibration Notes

Vaccuum created in pumping zone.

WATER LEVELS (ft)

Open Hole Static Water Level: 8.7

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.66	8.59	8.59	8.63	8.61
2	8.67	7.94	7.97	27.01	9.79
3	8.65	7.95	7.96	27.15	9.71

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	22
Pipes That Remain on Truck:	5

50
51

Rate Adjustments

set to 5 gpm. Zone dewatered at 12:31 PM, pump shut off. Pump restarted at 12:50 PM at 3 gpm. Dewatered at 1:07 PM. Pump restarted at 1:25 PM at 2 gpm. Inline stopped at 2:51 PM. Geosub started at 3:01

Summary

Single Bottom Packer (Inline)

WELL:	Well E	INTERVAL:	SWL	34	
PROJECT:	HGLColmar	CLIENT:	HGL		
PERSONNEL:	CC, JE, JH	DATE:	1/5/2023	W.O.#:	FS1444

Initial Pipe Tally:	20
Pipes That Remain on Truck:	20

SETTING DEPTHS

Point A:	12.65
Lower Packer - Top:	31.95
Lower Packer - Bottom:	34
Assembly Bottom:	36.05

PACKER INFLATION (psi)

BOTTOM
Minimum Required
84
Actual PSI Used
120

TEST SEQUENCE

Begin Logging	8:46
Start Inflation	8:50
Begin Pumping	9:29
End Pumping	12:35
End Logging	12:46

PUMPING RECORD

Pumping Interval:	SWL	34
Pumping Rate:	2 gal/min	
Pumping Duration:	3:06	
Maximum Drawdown:	15.28	
Zone Volume	50	
Volume Purged	170	
Nature of Discharge:	Clear	
Recovery Time	0:11	
Percentage Recovery	86.52%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well E Zone 1 (SWL-34)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
5.15857E-03	V=	15	0.00552146	V=	15	5.82407E-03	V=	15
5.1534E-03	V=	49.35	0.00520656	V=	38.25	5.1477E-03	V=	36.05

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 15

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	17.26	17.76	15.84	14.61	25.08
2	15.13	13.74	14.64	29.92	16.7
3	14.99	14.73	14.79	16.21	15.15

Miscellaneous Notes

Packer pressure lost at 9:18 AM. Packer pressure added at 9:21 AM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Pump started at 4gpm. Adjusted to 3gpm at 9:31 AM. Adjusted to 2 gpm at 9:36 AM. Rate adjusted to 2.25gpm. In line shut off at 10:47 AM. Geosub pumping resumed at 12:03 AM.

SUMMARY

Single Top Packer (Inline)

WELL:	WellE	INTERVAL:	36	TD	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	CC, JE, JH	DATE:	1/5/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	29.6
Upper Packer - Top:	32.7
Upper Packer - Bottom:	36
Pump Intake	52.85
Bottom of Assembly	59.65

PACKER INFLATION (psi)
TOP
Minimum Required
85
Actual PSI Used
120

TEST SEQUENCE	
Begin Logging	14:03
Start Inflation	14:09
Begin Pumping	14:15
End Pumping	15:29
End Logging	15:34

PUMPING RECORD		
Pumping Interval:	36	TD
Pumping Rate:	5 gal/min	
Pumping Duration:	1:14	
Maximum Drawdown:	26.62	
Zone Volume	37	
Volume Purged	140	
Nature of Discharge:	Red/Orange	
Recovery Time	0:05	
Percentage Recovery	93.28%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
5.85928E-03	V=	15	6.09493E-03	V=	15	6.25822E-03	V=	15
5.1733E-03	V=	28.6	0.00520656	V=	38	5.1477E-03	V=	42.8

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 15

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	15	15.07	15.1	15.52	15.36
2	15.05	14.75	14.85	41.47	16.64
3	15	14.69	14.79	40.34	16.56

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	19

Rate Adjustments

Pump started at 3gpm. Adjusted to 4gpm at 2:16 PM. Adjusted to 5gpm at 2:17 PM. Pump shut off at 2:43 PM. Geosub pumping resumed at 2:50 PM.

Summary

Single Bottom Packer (Inline)

WELL:	Well F	INTERVAL:	SWL	57.5	
PROJECT:	HGLColmar	CLIENT:	HGL		
PERSONNEL:	CC, JE, JH	DATE:	1/6/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	46.75
Lower Packer - Top:	55.45
Lower Packer - Bottom:	57.5
Assembly Bottom:	59.55

PACKER INFLATION (psi)
BOTTOM
Minimum Required
100
Actual PSI Used
130

TEST SEQUENCE	
Begin Logging	13:10
Start Inflation	13:13
Begin Pumping	13:28
End Pumping	15:57
End Logging	15:57

PUMPING RECORD		
Pumping Interval:	SWL	57.5
Pumping Rate:	5 gal/min	
Pumping Duration:	2:29	
Maximum Drawdown:	6.97	
Zone Volume	127	
Volume Purged	390	
Nature of Discharge:	Clear	
Recovery Time	0:00	
Percentage Recovery	68.58%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well E Zone 1 (SWL-57.5)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.53999E-03	V=	8.8	0.00675727	V=	8.8	6.77706E-03	V=	8.8
5.1757E-03	V=	61.65	0.00521387	V=	56.95	5.1550E-03	V=	59.55

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.8

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.79	8.69	8.83	16.76	10.06
2	9.06	9.07	9.27	16.24	11.46
3	8.86	8.78	8.87	12.39	11.81

Miscellaneous Notes

Packer pressure increased to 150psi at 1:39 PM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	18

RATE ADJUSTMENTS

Pump shut off at 2:25 PM to allow client to empty purge tank. Pump restarted at 2:38 PM at 5 gpm. Pump shut off at 2:56 PM due to genertor running out of gas. Pump restarted at 3:18 PM. In-line pump shutoff a

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	60.5	90.5	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	CC, JH	DATE:	1/9/2023	W.O.#:	FS1444

Initial Pipe Tally:	20
Pipes That Remain on Truck:	18

SETTING DEPTHS

Point A:	54.1
Upper Packer - Top:	57.2
Upper Packer - Bottom:	60.5
Point B:	88.6
Lower Packer - Top:	90.5
Lower Packer - Bottom:	93.8
Assembly Bottom:	95.85

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
103	119
Actual PSI Used	
130	130

TEST SEQUENCE

Begin Logging	11:56
Start Inflation	11:59
Begin Pumping	12:08
End Pumping	13:45
End Logging	13:50

PUMPING RECORD

Pumping Interval:	60.5	90.5
Pumping Rate:	5 gal/min	
Pumping Duration:	1:37	
Maximum Drawdown:	21.06	
Zone Volume	78	
Volume Purged	300	
Nature of Discharge:	Clear	
Recovery Time	0:05	
Percentage Recovery	92.17%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 2 (60.5-90.5)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.76072E-03	V=	8.79	7.52675E-03	V=	8.79	7.47707E-03	V=	8.79
5.1765E-03	V=	54.1	5.1608E-03	V=	74	5.1541E-03	V=	95.85

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.79

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.78	8.2	8.58	14.72	10.7
2	8.77	8.27	8.56	29.62	10.21
3	8.78	8.55	8.53	5.87	5.4

Miscellaneous Notes

Addition al 20psi added to top packer at 12:12 PM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Pump started at 4gpm. Adjusted to 5gpm at 12:09 PM. Inline pump shut off at 12:56 PM. Pumping resumed with geosub at 1:06 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	94.5	114.5	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	CC, JH, SS	DATE:	1/11/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	87.9
Upper Packer - Top:	91.2
Upper Packer - Bottom:	94.5
Point B:	112.6
Lower Packer - Top:	114.5
Lower Packer - Bottom:	117.8
Assembly Bottom:	119.85

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
123	133
Actual PSI Used	
150	180

TEST SEQUENCE	
Begin Logging	11:35
Start Inflation	11:39
Begin Pumping	11:58
End Pumping	15:04
End Logging	

PUMPING RECORD		
Pumping Interval:	94.5	114.5
Pumping Rate:	2 gal/min	
Pumping Duration:	3:06	
Maximum Drawdown:	122.9	
Zone Volume	52	
Volume Purged	300	
Nature of Discharge:	Clear	
Recovery Time	##########	
Percentage Recovery	86.40%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 10 (217-247)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.91279E-03	V=	7.82	8.52068E-03	V=	7.82	6.87617E-03	V=	7.82
5.1765E-03	V=	87.9	5.5494E-03	V=	101.5	5.0302E-03	V=	119.85

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.82

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.81	7.4	7.71	7.71	8.3
2	7.81	7.31	7.6	130.5	24.31
3	7.88	7.42	7.64	30.02	15.02

Miscellaneous Notes

decrease rate. Zone dewatered at 12:14 PM, shut off pump and waited for recovery. Resumed pumping at 12:53 PM. Dewatered a s

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

initial rate 2GPM, dropped to 1 at 12:54 PM

SUMMARY

Initial Pipe Tally:	20
Pipes That Remain on Truck:	16

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	118	140	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	CC, JH, SS	DATE:	1/11/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	111.4
Upper Packer - Top:	114.7
Upper Packer - Bottom:	118
Point B:	138.1
Lower Packer - Top:	140
Lower Packer - Bottom:	143.3
Assembly Bottom:	145.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
136	147
Actual PSI Used	
150	170

TEST SEQUENCE	
Begin Logging	12:10
Start Inflation	12:12
Begin Pumping	12:32
End Pumping	13:51
End Logging	13:52

PUMPING RECORD		
Pumping Interval:	118	140
Pumping Rate:	5 gal/min	
Pumping Duration:	1:19	
Maximum Drawdown:	10.35	
Zone Volume	57	
Volume Purged	300	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	97.49%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 10 (217-247)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.74039E-03	V=	7.95	9.21652E-03	V=	7.95	7.47686E-03	V=	7.95
5.1765E-03	V=	111.4	5.5494E-03	V=	125.5	5.0302E-03	V=	145.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 7.95

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	7.94	7.67	7.98	7.33	8.22
2	7.93	7.58	7.66	18.01	7.92
3	7.95	7.29	7.53	12.6	7.86

Miscellaneous Notes

Noticed interconnection, uppedbottom to 200

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	15

RATE ADJUSTMENTS

Pump started at 5 GPM, switched to Geosub at 1:07 PM, geosubstart t 1:20 PM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	143	155	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/23/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	136.4
Upper Packer - Top:	139.7
Upper Packer - Bottom:	143
Point B:	152.7
Lower Packer - Top:	155
Lower Packer - Bottom:	158.3
Assembly Bottom:	160.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
150	155
Actual PSI Used	
160	200

TEST SEQUENCEA10:C20A37A15:C20		
Begin Logging	8:50	
Start Inflation	8:54	
Begin Pumping	9:05	
End Pumping	10:14	
End Logging	10:16	

PUMPING RECORD		
Pumping Interval:	143	155
Pumping Rate:	5 gal/min	
Pumping Duration:	1:09	
Maximum Drawdown:	152.61	
Zone Volume	31	
Volume Purged	120	
Nature of Discharge:	clear	
Recovery Time	0:02	
Percentage Recovery	99.83%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.60968E-03	V=	8.48	1.01413E-02	V=	8.48	8.08031E-03	V=	8.48
5.1784E-03	V=	136.4	5.1601E-03	V=	152.1	4.7765E-03	V=	160.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.48

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.47	8.22	8.42	8.89	8.58
2	8.48	8.24	8.21	160.82	8.47
3	8.47	8.32	8.41	17.19	8.4

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	14

RATE ADJUSTMENTS

starting in-line at 5gpm, geosub started at 9:41 AM at 1gpm,

SUMMARY

added 30psi to bottom packer at 9:07 AM to combat drawdown,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	153	173	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/17/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	146.4
Upper Packer - Top:	149.7
Upper Packer - Bottom:	153
Point B:	171.1
Lower Packer - Top:	173
Lower Packer - Bottom:	176.3
Assembly Bottom:	178.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
156	165
Actual PSI Used	
170	250

TEST SEQUENCE	
Begin Logging	9:13
Start Inflation	9:15
Begin Pumping	9:58
End Pumping	11:20
End Logging	11:23

PUMPING RECORD		
Pumping Interval:	153	173
Pumping Rate:	5 gal/min	
Pumping Duration:	1:22	
Maximum Drawdown:	43.88	
Zone Volume	52	
Volume Purged	175	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	99.52%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 10 (217-247)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.93456E-03	V=	9.18	1.05398E-02	V=	9.18	8.22129E-03	V=	9.18
5.1765E-03	V=	146.4	5.5494E-03	V=	160	5.0302E-03	V=	178.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.18

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.17	8.93	9.16	9.48	9.34
2	9.17	8.83	8.91	52.79	9.12
3	9.2	8.95	9.02	19.16	9.18

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	13

RATE ADJUSTMENTS

starting at 5gpm, stopped at 10:35 AM, Started geosub at 10:47 AM at 1gpm,

SUMMARY

bottom zone leaking, adjused to 250psi,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	171	183	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/23/2023	W.O.#:	FS1444

Initial Pipe Tally:	20
Pipes That Remain on Truck:	13

SETTING DEPTHS

Point A:	164.4
Upper Packer - Top:	167.7
Upper Packer - Bottom:	171
Point B:	180.7
Lower Packer - Top:	183
Lower Packer - Bottom:	186.3
Assembly Bottom:	188.35

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
167	171
Actual PSI Used	
180	180

TEST SEQUENCEA10:C20A37A15:C20

Begin Logging	10:55
Start Inflation	11:00
Begin Pumping	11:11
End Pumping	12:18
End Logging	12:21

PUMPING RECORD

Pumping Interval:	171	183
Pumping Rate:	5 gal/min	
Pumping Duration:	1:07	
Maximum Drawdown:	190.14	
Zone Volume	31	
Volume Purged	125	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	99.84%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.05757E-02	V=	8.56	1.11052E-02	V=	8.56	8.72421E-03	V=	8.56
5.1784E-03	V=	164.4	5.1601E-03	V=	180.1	4.7765E-03	V=	188.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.56

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.54	8.29	8.35	8.08	8.37
2	8.53	8.37	8.38	198.52	8.68
3	8.53	8.38	8.42	20.83	8.51

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

in-line started at 5gpm, in-line cut at 11:33 AM, geosub started 11:49 AM,

SUMMARY

bottom zone drawdown, cannot inflate further fearing borehole wall,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	185	200	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/19/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	178.4
Upper Packer - Top:	181.7
Upper Packer - Bottom:	185
Point B:	198.1
Lower Packer - Top:	200
Lower Packer - Bottom:	203.3
Assembly Bottom:	205.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
174	180
Actual PSI Used	
190	220

TEST SEQUENCE	
Begin Logging	10:23
Start Inflation	10:25
Begin Pumping	10:37
End Pumping	11:56
End Logging	12:00

PUMPING RECORD		
Pumping Interval:	185	200
Pumping Rate:	5 gal/min	
Pumping Duration:	1:19	
Maximum Drawdown:	34.33	
Zone Volume	39	
Volume Purged	140	
Nature of Discharge:	cler	
Recovery Time	0:04	
Percentage Recovery	96.18%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 10 (217-247)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.03240E-02	V=	9.3	1.10961E-02	V=	9.3	8.61660E-03	V=	9.3
5.1784E-03	V=	178.4	5.1601E-03	V=	195	4.7765E-03	V=	205.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.3

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.39	9.02	9.21	9.75	9.45
2	9.4	9.19	9.42	43.75	10.73
3	9.34	9.09	9.12	11.12	8.89

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	12

RATE ADJUSTMENTS

starting in-line at 5gpm, pumpshut offat 10:39 AM bad leak in T-Piece pipe, pump turned back on at 10:42 AM at 5gpm, in-line shut off at11:06 AM, geosub started at 11:21 AM at 1gpm,

SUMMARY

bottom packer increased psi by 20 to 220 to attempt elimiate drawdown at 10:44 AM,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	204	216	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/23/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	197.4
Upper Packer - Top:	200.7
Upper Packer - Bottom:	204
Point B:	213.7
Lower Packer - Top:	216
Lower Packer - Bottom:	219.3
Assembly Bottom:	221.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
186	190
Actual PSI Used	
200	200

TEST SEQUENCE	
Begin Logging	13:31
Start Inflation	13:32
Begin Pumping	13:44
End Pumping	15:21
End Logging	

PUMPING RECORD		
Pumping Interval:	204	216
Pumping Rate:	2 gal/min	
Pumping Duration:	1:37	
Maximum Drawdown:	7.27	
Zone Volume	31	
Volume Purged	110	
Nature of Discharge:	clear	
Recovery Time	##########	
Percentage Recovery	99.45%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.17134E-02	V=	8.48	1.22424E-02	V=	8.48	9.48217E-03	V=	8.48
5.1784E-03	V=	197.4	5.1601E-03	V=	213.1	4.7765E-03	V=	221.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.48

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.41	8.14	8.31	8.01	8.37
2	8.4	8.12	8.17	15.44	8.21
3	8.41	8.17	8.19	9.06	8.2

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

starting in-line at 2gpm, in-line cut at 2:37 PM, geosub started at 2:49 PM at 1gpm,

SUMMARY

slight bottom zone drawdown, added 20psi to bottom packer at 1:48 PM,

Initial Pipe Tally:	20
Pipes That Remain on Truck:	11

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	217	247	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	CC, JH, SS	DATE:	1/11/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	210.4
Upper Packer - Top:	213.7
Upper Packer - Bottom:	217
Point B:	245.1
Lower Packer - Top:	247
Lower Packer - Bottom:	250.3
Assembly Bottom:	252.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
193	208
Actual PSI Used	
200	210

TEST SEQUENCE	
Begin Logging	11:52
Start Inflation	12:03
Begin Pumping	12:19
End Pumping	14:54
End Logging	14:59

PUMPING RECORD		
Pumping Interval:	217	247
Pumping Rate:	5 gal/min	
Pumping Duration:	2:35	
Maximum Drawdown:	0.71	
Zone Volume	78	
Volume Purged	300	
Nature of Discharge:	Clear	
Recovery Time	0:05	
Percentage Recovery	388.73%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 10 (217-247)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.21663E-02	V=	8.05	1.28628E-02	V=	8.05	9.90598E-03	V=	8.05
5.1765E-03	V=	210.4	5.5494E-03	V=	230.5	5.0302E-03	V=	252.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.05

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.01	9.73	9.5	9.1	7.53
2	8.02	9.4	9.4	10.11	7.35
3	8.03	9.55	9.8	10.1	7.1

Miscellaneous Notes

nection detected in both zones, pressure added to compensate. Stopped @ 12:25 PM due to air loss in both packers Reinflated at 1

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	10

RATE ADJUSTMENTS

Pump started at 5 GPM, switched to Geosub at 2:02 PM

SUMMARY

Interconnection noticed between all zones

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	258	273	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/19/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	251.4
Upper Packer - Top:	254.7
Upper Packer - Bottom:	258
Point B:	271.1
Lower Packer - Top:	273
Lower Packer - Bottom:	276.3
Assembly Bottom:	278.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
216	221
Actual PSI Used	
230	250

TEST SEQUENCE	
Begin Logging	13:17
Start Inflation	13:20
Begin Pumping	13:30
End Pumping	14:41
End Logging	14:43

PUMPING RECORD		
Pumping Interval:	258	273
Pumping Rate:	5 gal/min	
Pumping Duration:	1:11	
Maximum Drawdown:	56.61	
Zone Volume	39	
Volume Purged	145	
Nature of Discharge:	clear	
Recovery Time	0:02	
Percentage Recovery	98.80%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.35452E-02	V=	9.23	1.42147E-02	V=	9.23	1.08410E-02	V=	9.23
5.1784E-03	V=	251.4	5.1601E-03	V=	268	4.7765E-03	V=	278.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.23

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.22	9.02	9.1	9.37	9.21
2	9.23	9.36	9.12	65.73	9.8
3	10	10.07	10.51	15.84	11.92

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	8

13:38 car turn onspike in voltage

RATE ADJUSTMENTS

in-linestarted at 5gpm, pump shut off 1:54 PM, geosub turnedon at 2:09 PM PM at 1gpm,

SUMMARY

drawdown in bottom zone, added 20psi at 1:32 PM to total 280psi,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	275	290	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/20/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	268.4
Upper Packer - Top:	271.7
Upper Packer - Bottom:	275
Point B:	288.1
Lower Packer - Top:	290
Lower Packer - Bottom:	293.3
Assembly Bottom:	295.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
226	231
Actual PSI Used	
240	280

TEST SEQUENCE	
Begin Logging	8:56
Start Inflation	8:59
Begin Pumping	9:10
End Pumping	10:17
End Logging	10:19

PUMPING RECORD		
Pumping Interval:	275	290
Pumping Rate:	5 gal/min	
Pumping Duration:	1:07	
Maximum Drawdown:	22.1	
Zone Volume	39	
Volume Purged	140	
Nature of Discharge:	clear	
Recovery Time	0:02	
Percentage Recovery	56.11%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.41868E-02	V=	8.93	1.48210E-02	V=	8.93	1.12246E-02	V=	8.93
5.1784E-03	V=	268.4	5.1601E-03	V=	285	4.7765E-03	V=	295.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.93

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	914	9.12		9.62	9.69
2	9.21	9.11		22.1	9.7
3	9.75	10.41		13.71	11.27

Miscellaneous Notes

turbidity present at start of pump,

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

pump starting at 5gpm, in-line shut off at 9:36 AM, started geosub at 9:47 AM at 1gpm, in-line started with geosub in error,

SUMMARY

bottom zone drawdown adding 20psi at 9:13AM to total 280psi,

Initial Pipe Tally:	20
Pipes That Remain on Truck:	8

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well F	INTERVAL:	310	330	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	1/17/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	303.4
Upper Packer - Top:	306.7
Upper Packer - Bottom:	310
Point B:	328.1
Lower Packer - Top:	330
Lower Packer - Bottom:	333.3
Assembly Bottom:	335.35

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
246	254
Actual PSI Used	
260	290

TEST SEQUENCE	
Begin Logging	12:37
Start Inflation	12:39
Begin Pumping	12:47
End Pumping	16:00
End Logging	16:01

PUMPING RECORD		
Pumping Interval:	310	330
Pumping Rate:	5 gal/min	
Pumping Duration:	3:13	
Maximum Drawdown:	346.17	
Zone Volume	52	
Volume Purged	125	
Nature of Discharge:	clear	
Recovery Time	0:01	
Percentage Recovery	96.57%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.53404E-02	V=	9.14	1.59407E-02	V=	9.14	1.18226E-02	V=	9.14
5.1765E-03	V=	303.4	5.5494E-03	V=	317	5.0302E-03	V=	335.35

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.14

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.13	8.94	8.99	9.16	9.17
2	9.12	8.89	8.88	355.05	20.76
3	9.11	8.9	8.93	20.6	14.42

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	6

RATE ADJUSTMENTS

gpm, pump shut off dewatered at 12:57PM, in-line restarted at 1:40 PM at 1gpm, pump shut off dewatered at 2:07 PM, pump restarted at 2:56 PM at 5gpm, pump shut off dewatering at 3:04 PM, geosub started a

SUMMARY

bottom zone drawdown, addded additional 20psi added to bottom packer, to 290psi

Single Top Packer (Inline)

WELL:	Well F	INTERVAL:	333	350	
PROJECT:	HGL	CLIENT:	HGL		
PERSONNEL:	MD,CC	DATE:	1/24/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	326.4
Upper Packer - Top:	329.7
Upper Packer - Bottom:	333
Pump Intake	349.2
Bottom of Assembly	349.2

PACKER INFLATION (psi)
TOP
Minimum Required
260
Actual PSI Used
320

TEST SEQUENCE	
Begin Logging	13:28
Start Inflation	13:32
Begin Pumping	13:46
End Pumping	15:02
End Logging	15:05

PUMPING RECORD		
Pumping Interval:	333	350
Pumping Rate:	5 gal/min	
Pumping Duration:	1:16	
Maximum Drawdown:	-8.7	
Zone Volume	44	
Volume Purged	160	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	152.64%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well F Zone 14 (333-TD)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.61609E-02	V=	8.6	1.66850E-02	V=	8.6	1.24470E-02	V=	8.6
5.1784E-03	V=	326.4	5.1601E-03	V=	342.1	4.7765E-03	V=	333

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 8.6

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	8.59	8.47	8.5		8.55
2	8.59	8.58	8.7		13.28
3	8.59	8.58	8.7		13.07

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	5

Rate Adjustments

starting in-line at 5gpm, adjusted to 5gpm at 1:56 PM, in-line cut at 2:14 PM, geosub started 2:30 PM at 1gpm,

Summary

Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well G**	**Interval:**	**235**	**265**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JE**	**DATE:**	**11/17/2022**	**W.O.#:**	**FS1444**

Initial Pipe Tally	20
Pipes that remain on truck:	9.00

2

SETTING DEPTHS (ft below GS)	
Point A:	228.6
Upper Packer - Top:	231.7
Upper Packer - Bottom:	235
Point B:	263.1
Lower Packer - Top:	265
Lower Packer - Bottom:	268.3
Assembly Bottom:	270.35

PACKER INFLATION (psi)	
TOP	BOTTOM
210	220

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	10:02
Start Inflation	10:05
Begin Pumping	10:36
End Pumping	11:37
End Logging	12:22

PUMPING RECORD		
Pumping Interval:	235	265
Pumping Rate:	5	gal/min
Pumping Duration:	1:01	
Maximum Drawdown:	237.23	
Zone Volume	73	gal
Volume Purged	340	gal
Nature of Discharge:	Clear	
Recovery Time	0:45	
Percentage Recovery	7:26	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well G Zone 1 (235-265)

ASC Filename: HGL Well G Zone 1 (235-265)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.26713E-02	V=	13.8	1.33297E-02	V=	13.8	1.30610E-02	V=	13.8
5.17533E-03	V=	228.6	5.16308E-03	V=	244.5	5.09622E-03	V=	270.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 13.8

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	13.79	13.68	13.68	14.85	14.24
2	13.8	13.64	13.62	250.85	15.38
3	13.81	13.76	13.77	15.15	14.64

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

In-line started at 1gpm. Adjusted to 2 gpm at 10:37 AM. Adjusted to 3gpm at 10:38 AM. Adjusted to 4gpm at 10:39 AM. Adjusted to 5 gpm at 10:39 AM. In-line pump stopped at 11:38 AM. Pumping resumed with geosub at 11:51 AM. Pumping stopped at 12:15 PM.

SUMMARY

EDN
Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well G**	**Interval:**	**265**	**295**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JE**	**DATE:**	**11/17/2022**	**W.O.#:**	**FS1444**

Initial Pipe Tally	20
Pipes that remain on truck:	8.00

2

SETTING DEPTHS (ft below GS)

Point A:	258.6
Upper Packer - Top:	261.7
Upper Packer - Bottom:	265
Point B:	293.1
Lower Packer - Top:	295
Lower Packer - Bottom:	298.3
Assembly Bottom:	300.35

PACKER INFLATION (psi)

TOP	BOTTOM
250	260

TEST SEQUENCE (CTRL+SHIFT+;)

Begin Logging	13:05
Start Inflation	13:08
Begin Pumping	13:26
End Pumping	14:50
End Logging	15:53

PUMPING RECORD

Pumping Interval:	265	295
Pumping Rate:	5	gal/min
Pumping Duration:	1:24	
Maximum Drawdown:	278.11	
Zone Volume	73	gal
Volume Purged	250	gal
Nature of Discharge:	Clear	
Recovery Time	1:03	
Percentage Recovery	21:09	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well G Zone 1 (235-265)

ASC Filename: HGL Well G Zone 1 (235-265)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.37033E-02	V=	13.1	1.43602E-02	V=	13.1	1.40660E-02	V=	13.1
5.17533E-03	V=	258.6	5.16308E-03	V=	274.5	5.09622E-03	V=	300.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 13.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	13.08	12.92	12.91	12.86	13.08
2	13.07	12.82	12.84	290.95	32.76
3	13.07	12.88	12.89	13.88	13.31

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

In-line pump started at 1gpm. Adjusted to 2 gpm at 1:27 PM. Adjusted to 3 gpm at 1:28 PM. Adjusted to 4 gpm at 1:28 PM. Adjusted to 5gpm at 1:29 PM. Adjusted to 5gpm at 2:38 PM. Adjusted to 4gpm at 2:39 PM. Geosub began pumping at 3:23 PM at 1gpm.

SUMMARY

Added 20psi in both packers at 1:30 PM bringing top to 250 and bottom to 260. Zone dewatered at 1:49 PM, pump shut off. Pumping resumed at 2:29 PM at 5gpm. Pump shut down due to dewatering at 2:51 PM. Replaced with geosub and pumping continued at 3:23 PM. Geosub shut off due to de-watering at 3:45 PM. Pumping resumed at 3:49 PM. Pumping with geosub stopped a 3:52 PM.

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL well G	INTERVAL:	298 311
PROJECT:		CLIENT:	HGL
PERSONNEL:	MD, JH, SS	DATE:	11/29/2022 W.O.#:

SETTING DEPTHS	
Point A:	291.4
Upper Packer - Top:	294.7
Upper Packer - Bottom:	298
Point B:	309.1
Lower Packer - Top:	311
Lower Packer - Bottom:	314.3
Assembly Bottom:	316.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
237	241
Actual PSI Used	
240	250

TEST SEQUENCE	
Begin Logging	11:18
Start Inflation	11:26
Begin Pumping	13:02
End Pumping	13:22
End Logging	14:15

PUMPING RECORD		
Pumping Interval:	298	311
Pumping Rate:	5 gal/min	
Pumping Duration:	0:20	
Maximum Drawdown:	15.1	
Zone Volume	34	
Volume Purged	102	
Nature of Discharge:	cloudy	
Recovery Time	0:53	
Percentage Recovery	99.40%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.48648E-02	V=	12.8	1.53845E-02	V=	12.8	1.53850E-02	V=	12.8
5.1692E-03	V=	291.4	5.1695E-03	V=	303.7	5.0886E-03	V=	316.3

Additional Calibration Notes

Air regulator issues solved at 12:11

WATER LEVELS (ft)

Open Hole Static Water Level: 12.8

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	12.8	12.77	12.8	12.54	12.8
2	12.8	13.02	13.04	28.14	13.13
3	12.8	12.86	12.8	14.03	13.28

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	6

RATE ADJUSTMENTS

Initial Rate 5 GPM, stopped purging at 1:22 PM, dropped geosub in @ 1:28 PM, started geosub @1:39 PM at 1gpm, ended geosub @2:05 PM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well G	INTERVAL:	312	333	
PROJECT:	NP5	CLIENT:	HGL		
PERSONNEL:	MD, JH, SS	DATE:	121/2022	W.O.#:	

SETTING DEPTHS	
Point A:	305.4
Upper Packer - Top:	308.7
Upper Packer - Bottom:	312
Point B:	331.1
Lower Packer - Top:	333
Lower Packer - Bottom:	336.3
Assembly Bottom:	338.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
245	253
Actual PSI Used	
300	320

TEST SEQUENCE	
Begin Logging	13:52
Start Inflation	13:59
Begin Pumping	14:19
End Pumping	14:55
End Logging	15:40

PUMPING RECORD		
Pumping Interval:	312	333
Pumping Rate:	5 gal/min	
Pumping Duration:	0:36	
Maximum Drawdown:	47.3	
Zone Volume	55	
Volume Purged	162 gal	
Nature of Discharge:	clear	
Recovery Time	0:45	
Percentage Recovery	97.36%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.53520E-02	V=	12.6	1.59869E-02	V=	12.6	1.58206E-02	V=	12.6
5.1692E-03	V=	305.4	5.1695E-03	V=	321	5.1543E-03	V=	338.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 12.6

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	12.6	12.49	12.7	12.53	13.24
2	12.58	12.49	12.55	59.85	13.8
3	12.62	12.56	12.59	15.98	13.27

Miscellaneous Notes

Leak in bottom line, continuous air used to hold pressure

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	6

RATE ADJUSTMENTS

Initial Rate 5 GPM, stopped inline and ran geosub @ 12:56 PM, geosub started @ 3:08 PM @ 1 GPM, ended sampling at 3:39 PM

SUMMARY

Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well G**	**Interval:**	**336**	**355**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JE**	**DATE:**	**11/17/2022**	**W.O.#:**	**FS1444**

Initial Pipe Tally	20
Pipes that remain on truck:	5.00

2

SETTING DEPTHS (ft below GS)	
Point A:	329.6
Upper Packer - Top:	332.7
Upper Packer - Bottom:	336
Point B:	353.1
Lower Packer - Top:	355
Lower Packer - Bottom:	358.3
Assembly Bottom:	360.35

PACKER INFLATION (psi)	
TOP	BOTTOM
310	N/A

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	9:34
Start Inflation	9:49
Begin Pumping	10:07
End Pumping	10:53
End Logging	11:37

PUMPING RECORD		
Pumping Interval:	336	355
Pumping Rate:	5	gal/min
Pumping Duration:	0:46	
Maximum Drawdown:	10.96	
Zone Volume	31	gal
Volume Purged	275	gal
Nature of Discharge:	Clear	
Recovery Time	0:44	
Percentage Recovery	19:26	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well G Zone 1 (235-265)

ASC Filename: HGL Well G Zone 1 (235-265)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.61660E-02	V=	13	1.66748E-02	V=	13	1.66453E-02	V=	13
5.18713E-03	V=	329.6	5.17455E-03	V=	341.8	5.10261E-03	V=	360.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 13

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	13	12.85	12.89	13.16	13.1
2	13	12.92	12.86	23.82	13.16
3	13.01	12.94	12.92	24.44	13.26

Miscellaneous Notes

Ice in purge line cleared at 10:10 AM

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Pump started at 10:07. Adjusted to 5gpm at 10:10 AM. Adjusted to 5gpm at 10:16 AM, switched to geosub@ 10:53 AM. Geosub pumping resumed at 11:07 AM. Geosub stopped at 11:31 AM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	367	387	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	CC, GS	DATE:	5/10/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	360.6
Upper Packer - Top:	363.7
Upper Packer - Bottom:	367
Point B:	385.1
Lower Packer - Top:	387
Lower Packer - Bottom:	390.3
Assembly Bottom:	392.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
278	285
Actual PSI Used	
300	300

TEST SEQUENCE	
Begin Logging	9:01
Start Inflation	9:04
Begin Pumping	9:16
End Pumping	11:40
End Logging	11:45

PUMPING RECORD		
Pumping Interval:	367	387
Pumping Rate:	1.5 gal/min	
Pumping Duration:	2:24	
Maximum Drawdown:	1.6	
Zone Volume	52	
Volume Purged	160	
Nature of Discharge:	Clear	
Recovery Time	0:05	
Percentage Recovery	90.63%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.28675E-02	V=	11	1.80190E-02	V=	11	1.79236E-02	V=	11
4.7680E-03	V=	360.6	5.1460E-03	V=	378.2	5.1630E-03	V=	392.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.33	11.11	11.19	10.99	11.03
2	10.98	10.93	11.02	12.62	11.17
3	10.99	11.03	11.07	11.18	11.11

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	6

RATE ADJUSTMENTS

Pump started at 1gpm.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	424	444	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	CC, GS	DATE:	5/10/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	417.6
Upper Packer - Top:	420.7
Upper Packer - Bottom:	424
Point B:	442.1
Lower Packer - Top:	444
Lower Packer - Bottom:	447.3
Assembly Bottom:	449.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
311	317
Actual PSI Used	
320	320

TEST SEQUENCE	
Begin Logging	12:21
Start Inflation	12:25
Begin Pumping	12:46
End Pumping	15:34
End Logging	15:35

PUMPING RECORD		
Pumping Interval:	424	444
Pumping Rate:	1.5 gal/min	
Pumping Duration:	2:48	
Maximum Drawdown:	13.3	
Zone Volume	52	
Volume Purged	160	
Nature of Discharge:	CLEAR	
Recovery Time	0:01	
Percentage Recovery	24.59%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.41704E-02	V=	11.1	1.99811E-02	V=	11.1	1.98865E-02	V=	11.1
4.7680E-03	V=	417.6	5.1460E-03	V=	435.2	5.1630E-03	V=	449.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.97	10.94	10.84	10.8	10.59
2	11.09	11.06	11.57	24.87	21.6
3	11.11	11.18	11.43	12.3	12.68

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Pump started at 1.5gpm.

SUMMARY

Initial Pipe Tally:	23
Pipes That Remain on Truck:	3

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	445	465	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	CC, GS	DATE:	5/11/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	438.6
Upper Packer - Top:	441.7
Upper Packer - Bottom:	445
Point B:	463.1
Lower Packer - Top:	465
Lower Packer - Bottom:	468.3
Assembly Bottom:	470.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
323	329
Actual PSI Used	
330	330

TEST SEQUENCE	
Begin Logging	8:10
Start Inflation	8:11
Begin Pumping	8:26
End Pumping	11:06
End Logging	11:09

PUMPING RECORD		
Pumping Interval:	445	465
Pumping Rate:	1.5 gal/min	
Pumping Duration:	2:40	
Maximum Drawdown:	33.84	
Zone Volume	52	
Volume Purged	160	
Nature of Discharge:	Clear	
Recovery Time	0:03	
Percentage Recovery	94.50%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.46574E-02	V=	11.05	2.07131E-02	V=	11.05	2.06E-02	V=	11.05
4.7680E-03	V=	438.6	5.1460E-03	V=	456.2	5.1630E-03	V=	470.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.05

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.75	10.59	10.74	11.04	10.82
2	11.1	11	11.09	44.93	12.95
3	11.04	10.94	11.08	12.28	11.09

Miscellaneous Notes

Generator shut off at 9:50AM. Restarted at 9:52 AM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	2

RATE ADJUSTMENTS

Pump started at 1.5gpm.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	473	493	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	CC, GS	DATE:	5/12/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	466.6
Upper Packer - Top:	469.7
Upper Packer - Bottom:	473
Point B:	491.1
Lower Packer - Top:	493
Lower Packer - Bottom:	496.3
Assembly Bottom:	498.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
339	344
Actual PSI Used	
360	360

TEST SEQUENCE	
Begin Logging	8:08
Start Inflation	8:10
Begin Pumping	8:34
End Pumping	12:49
End Logging	12:50

PUMPING RECORD		
Pumping Interval:	473	493
Pumping Rate:	1.5 gal/min	
Pumping Duration:	4:15	
Maximum Drawdown:	86.65	
Zone Volume	52	
Volume Purged	160	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	1.74%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.53012E-02	V=	11.1	2.16595E-02	V=	11.1	2.16E-02	V=	11.1
4.7680E-03	V=	466.6	5.1460E-03	V=	484.2	5.1630E-03	V=	498.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.22	11.05	11.06	10.98	10.95
2	11.1	9.3	10.58	101.89	95.72
3	11.09	9	10.6	97.23	92.99

Miscellaneous Notes

:36 AM to fix seal with bottom zone. Top packer deflated at 8:39 AM and reinflated to fix seal at 8:47 AM. Bottom packer adjusted to 4

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Pump started at 1gpm. Pump rate adjusted to 1gpm at 11:15 AM.

SUMMARY

Initial Pipe Tally:	23
Pipes That Remain on Truck:	1

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	473	493	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	CC, GS	DATE:	5/11/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	466.6
Upper Packer - Top:	469.7
Upper Packer - Bottom:	473
Point B:	491.1
Lower Packer - Top:	493
Lower Packer - Bottom:	496.3
Assembly Bottom:	498.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
339	344
Actual PSI Used	
330	n/a

TEST SEQUENCE	
Begin Logging	12:05
Start Inflation	12:09
Begin Pumping	12:15
End Pumping	17:14
End Logging	17:16

PUMPING RECORD		
Pumping Interval:	473	493
Pumping Rate:	1.5 gal/min	
Pumping Duration:	4:59	
Maximum Drawdown:	60.48	
Zone Volume	52	
Volume Purged	160	
Nature of Discharge:	Clear	
Recovery Time	0:02	
Percentage Recovery	13.54%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.52953E-02	V=	11.1	2.16575E-02	V=	11.1	2.16E-02	V=	11.1
4.7680E-03	V=	466.6	5.1460E-03	V=	484.2	5.1630E-03	V=	498.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.94	10.85	10.71	10.91	11.12
2	11.01	10.86	10.98	71.46	63.27
3	10.97	10.86	10.92	73.67	64.4

Miscellaneous Notes

r failure at 1:05PM. Pumping resumed at 1:11 PM. Pump shut off at 1:24 PM due to dewatering. Pumping resumed at 1:34 PM with pu

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

Pump started at 1.5gpm. Pump rate adjusted to 1gpm at 12:29 PM. Pump rate adjusted to aprox. 0.75gpm at 12:44 PM. Pump rate adjusted to 1gpm at 3:50.

SUMMARY

Initial Pipe Tally:	23
Pipes That Remain on Truck:	1

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STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well H Zone1**	**Interval:**	**30**	**42**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JE**	**DATE:**	**12/6/2022**	**W.O.#:**	**FS1444**

Initial Pipe Tally	20
Pipes that remain on truck:	19.00

2

SETTING DEPTHS (ft below GS)	
Point A:	23.6
Upper Packer - Top:	26.7
Upper Packer - Bottom:	30
Point B:	40.1
Lower Packer - Top:	42
Lower Packer - Bottom:	45.3
Assembly Bottom:	47.35

PACKER INFLATION (psi)	
TOP	BOTTOM
0	180

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	13:26
Start Inflation	13:30
Begin Pumping	13:47
End Pumping	15:15
End Logging	15:21

PUMPING RECORD		
Pumping Interval:	30	42
Pumping Rate:	5	gal/min
Pumping Duration:	1:28	
Maximum Drawdown:	2.23	
Zone Volume	73	gal
Volume Purged	340	gal
Nature of Discharge:	Clear	
Recovery Time	0:06	
Percentage Recovery	1:40	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well G Zone 1 (235-265)

ASC Filename: HGL Well G Zone 1 (235-265)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
5.59569E-03	V=	12.4	6.19358E-03	V=	12.4	6.30234E-03	V=	12.4
5.18828E-03	V=	23.6	5.19215E-03	V=	39.5	5.17849E-03	V=	47.35

Additional Calibration Notes

added 10 psi to bottom packer, going from 150 to 160 at 2:06 PM, and again at 2:13 PM to 180 psi

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 12.4

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	12.47	12.38	12.39	14.19	13.17
2	12.66	12.93	12.97	15.2	14.21
3	12.48	12.45	12.46	13.04	13

Miscellaneous Notes

Single packer inflation, bottom packer only.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

started at 5gpm , stopped pumping at 2:31 PM, geosub started at 2:50 PM,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	44	64	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	12/12/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	37.6
Upper Packer - Top:	40.7
Upper Packer - Bottom:	44
Point B:	62.1
Lower Packer - Top:	64
Lower Packer - Bottom:	67.3
Assembly Bottom:	69.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
92	103
Actual PSI Used	
130	130

TEST SEQUENCE	
Begin Logging	11:56
Start Inflation	12:03
Begin Pumping	12:12
End Pumping	13:31
End Logging	13:36

PUMPING RECORD		
Pumping Interval:	44	64
Pumping Rate:	5 gal/min	
Pumping Duration:	1:19	
Maximum Drawdown:	4.15	
Zone Volume	52	
Volume Purged	210	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	92.05%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.09851E-03	V=	11.35	6.75172E-03	V=	11.35	7.04966E-03	V=	11.35
5.1883E-03	V=	37.6	5.1922E-03	V=	55.2	5.1785E-03	V=	69.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.35

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.35	11	11.2	13.53	11.44
2	11.39	11.2	11.34	15.49	11.67
3	11.46	11.34	11.5	12.76	12.03

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	19

RATE ADJUSTMENTS

in line started at 5gpm, cut in line at 12:43 PM, started geosub at 12:54 PM at ~1gpm,

SUMMARY

additional 30psi added to top and bottom packer trying to stop drawdown,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	68	80	
PROJECT:	HGL Colmar	CLIENT:	HGL		
PERSONNEL:	MD, JE, CC	DATE:	12/7/2022	W.O.#:	FS1444

Initial Pipe Tally:	20
Pipes That Remain on Truck:	17

SETTING DEPTHS

Point A:	61.6
Upper Packer - Top:	64.7
Upper Packer - Bottom:	68
Point B:	78.1
Lower Packer - Top:	80
Lower Packer - Bottom:	83.3
Assembly Bottom:	85.3

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
105	111
Actual PSI Used	
150	150

TEST SEQUENCE

Begin Logging	9:17
Start Inflation	9:21
Begin Pumping	9:36
End Pumping	10:34
End Logging	10:39

PUMPING RECORD

Pumping Interval:	68	80
Pumping Rate:	5 gal/min	
Pumping Duration:	0:58	
Maximum Drawdown:	8.1	
Zone Volume	31	
Volume Purged	150	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	82.47%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.91684E-03	V=	11.9	7.49101E-03	V=	11.9	7.57942E-03	V=	11.9
5.1883E-03	V=	61.6	5.1922E-03	V=	77.5	5.1785E-03	V=	85.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.9

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.91	11.68	11.68	16.15	12.92
2	12.12	12.04	12.04	20.14	13.46
3	12.04	12.04	12.04	12.55	12.64

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Pumping began at 5gpm, drawdown in top zone, added 30 psi to top packer, stopped inline at 9:56 AM, started geosub at 10:10 AM at ~1gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	84	104	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	12/12/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	77.6
Upper Packer - Top:	80.7
Upper Packer - Bottom:	84
Point B:	102.1
Lower Packer - Top:	104
Lower Packer - Bottom:	107.3
Assembly Bottom:	109.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
115	125
Actual PSI Used	
170	220

TEST SEQUENCE	
Begin Logging	14:11
Start Inflation	14:15
Begin Pumping	14:21
End Pumping	15:39
End Logging	15:42

PUMPING RECORD		
Pumping Interval:	84	104
Pumping Rate:	5 gal/min	
Pumping Duration:	1:18	
Maximum Drawdown:	42.09	
Zone Volume	52	
Volume Purged	260	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	99.05%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.48582E-03	V=	11.5	8.13001E-03	V=	11.5	8.38509E-03	V=	11.5
5.1883E-03	V=	77.6	5.1922E-03	V=	95.2	5.1785E-03	V=	109.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.5

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.56	11.1	11.18	11.43	11.44
2	11.49	11.24	11.38	53.47	11.78
3	11.5	11.33	11.4	12.43	11.64

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	17

RATE ADJUSTMENTS

in line started at 5gpm, stopped in line at 2:58 PM, geosub started at 3:05 Pm at ~1gpm,

SUMMARY

added 30 psi to bottom packer to stop drawdown, bottom packer leak, monitored and adjusted to 220psi every few minutes starting at 2:36PM,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	105	136	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	12/9/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	98.6
Upper Packer - Top:	101.7
Upper Packer - Bottom:	105
Point B:	134.1
Lower Packer - Top:	136
Lower Packer - Bottom:	139.3
Assembly Bottom:	141.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
127	143
Actual PSI Used	
170	220

TEST SEQUENCE	
Begin Logging	9:16
Start Inflation	9:19
Begin Pumping	9:36
End Pumping	11:13
End Logging	11:25

PUMPING RECORD		
Pumping Interval:	105	136
Pumping Rate:	5 gal/min	
Pumping Duration:	1:37	
Maximum Drawdown:	1.78	
Zone Volume	81	
Volume Purged	310	
Nature of Discharge:	clear	
Recovery Time	0:12	
Percentage Recovery	80.90%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.22194E-03	V=	11.6	8.87515E-03	V=	11.6	9.46267E-03	V=	11.6
5.1883E-03	V=	98.6	5.1922E-03	V=	116.2	5.1785E-03	V=	141.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.6

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.6	11.35	11.43	11.3	11.67
2	11.65	11.56	11.62	13.4	11.96
3	11.9	11.81	11.92	13.12	12.47

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	16

RATE ADJUSTMENTS

in line started at 5gpm, cut in line at 10:21 AM, started geosub at 10:39 AM at ~1gpm

SUMMARY

bottom zone drawing down, put additional 30 psi into bottom packer at 9:42 AM,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	154	174	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	12/13/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	147.6
Upper Packer - Top:	150.7
Upper Packer - Bottom:	154
Point B:	172.1
Lower Packer - Top:	174
Lower Packer - Bottom:	177.3
Assembly Bottom:	179.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
155	164
Actual PSI Used	
210	250

TEST SEQUENCE	
Begin Logging	11:05
Start Inflation	11:12
Begin Pumping	11:21
End Pumping	12:33
End Logging	12:38

PUMPING RECORD		
Pumping Interval:	154	174
Pumping Rate:	5 gal/min	
Pumping Duration:	1:12	
Maximum Drawdown:	9.79	
Zone Volume	52	
Volume Purged	210	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	97.04%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.91653E-03	V=	11.5	1.05576E-02	V=	11.5	1.07946E-02	V=	11.5
5.1883E-03	V=	147.6	5.1922E-03	V=	165.2	5.1785E-03	V=	179.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.5

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.49	11.29	11.36	11.99	11.61
2	11.5	1.3	11.35	21.14	11.64
3	11.71	11.54	11.59	13.07	11.93

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	13

RATE ADJUSTMENTS

in line started at 5gpm, stopped in line at 11:53 AM, geosub started at 12:02 PM at 1gpm,

SUMMARY

added additional 30psi to 250 in bottom packer at 11:24 AM to combat drawdown, bottom packer leaking air, monitored and adjusted to 260 every few minutes,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	178	190	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JE, CC	DATE:	12/7/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	171.6
Upper Packer - Top:	174.7
Upper Packer - Bottom:	178
Point B:	188.1
Lower Packer - Top:	190
Lower Packer - Bottom:	193.3
Assembly Bottom:	195.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
169	173
Actual PSI Used	
190	220

TEST SEQUENCE	
Begin Logging	11:33
Start Inflation	11:35
Begin Pumping	11:46
End Pumping	12:39
End Logging	12:44

PUMPING RECORD		
Pumping Interval:	178	190
Pumping Rate:	5 gal/min	
Pumping Duration:	0:53	
Maximum Drawdown:	7.43	
Zone Volume	31	
Volume Purged	130	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	97.31%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.07336E-02	V=	12	1.12833E-02	V=	12	1.13215E-02	V=	12
5.1883E-03	V=	171.6	5.1922E-03	V=	187.5	5.1785E-03	V=	195.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 12

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	12	11.82	11.9	12.76	12.07
2	12.01	11.83	11.91	19.34	12.11
3	12.08	11.87	11.94	13.75	12.14

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	12

RATE ADJUSTMENTS

started at 5gpm, cut inline at 11:59 AM, both in-line and geosub started at 12:13 PM then shut off, geosub started again at 12:14 PM for sampling,

SUMMARY

Bottom packer leaking air, monitored and adjused to 220psi every few minutes

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	192	223	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	12/9/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	185.6
Upper Packer - Top:	188.7
Upper Packer - Bottom:	192
Point B:	221.1
Lower Packer - Top:	223
Lower Packer - Bottom:	226.3
Assembly Bottom:	228.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
177	192
Actual PSI Used	
210	250

TEST SEQUENCE	
Begin Logging	12:42
Start Inflation	12:55
Begin Pumping	13:08
End Pumping	14:32
End Logging	14:36

PUMPING RECORD		
Pumping Interval:	192	223
Pumping Rate:	5 gal/min	
Pumping Duration:	1:24	
Maximum Drawdown:	0.9	
Zone Volume	81	
Volume Purged	250	
Nature of Discharge:	clear	
Recovery Time	0:04	
Percentage Recovery	78.89%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.12350E-02	V=	11.5	1.18788E-02	V=	11.5	1.24492E-02	V=	11.5
5.1883E-03	V=	185.6	5.1922E-03	V=	203.2	5.1785E-03	V=	228.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.5

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.46	11.31	11.3	12.05	11.52
2	11.48	11.31	11.3	12.2	11.49
3	11.64	11.48	11.5	12.48	11.74

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	12

RATE ADJUSTMENTS

in line starting at 5gpm, cut in line at 1:52 PM, geosub started at 2:03 PM at ~1gpm

SUMMARY

top and bottom showing drawdown, added 20psi to top and 30psi to bottom

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well H	INTERVAL:	226	238	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JE	DATE:	12/8/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	219.6
Upper Packer - Top:	222.7
Upper Packer - Bottom:	226
Point B:	236.1
Lower Packer - Top:	238
Lower Packer - Bottom:	241.3
Assembly Bottom:	243.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
196	200
Actual PSI Used	
290	0

TEST SEQUENCE	
Begin Logging	8:58
Start Inflation	9:03
Begin Pumping	9:32
End Pumping	10:49
End Logging	10:56

PUMPING RECORD		
Pumping Interval:	226	238
Pumping Rate:	5 gal/min	
Pumping Duration:	1:17	
Maximum Drawdown:	61.7	
Zone Volume	31	
Volume Purged	240	
Nature of Discharge:	clear	
Recovery Time	0:07	
Percentage Recovery	99.59%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.24129E-02	V=	11.7	1.29595E-02	V=	11.7	1.29916E-02	V=	11.7
5.1883E-03	V=	219.6	5.1922E-03	V=	235.5	5.1785E-03	V=	243.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.7

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.75	11.66	11.65	12.24	11.84
2	11.76	11.62	11.61	73.31	11.86
3	11.8	11.69	11.69	74.95	11.97

Miscellaneous Notes

Only Top packer inflated, Real interval is 226-TD(250ft)

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	10

RATE ADJUSTMENTS

starting in line at 5gpm, stopped in line at 10:10 AM, started geosub at 10:24 AM, at ~1gpm,

SUMMARY

attempted to lower the crane, the packer slipped down at 9:10, refilled packer

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	285	310	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	5/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	278.6
Upper Packer - Top:	281.7
Upper Packer - Bottom:	285
Point B:	308.1
Lower Packer - Top:	310
Lower Packer - Bottom:	313.3
Assembly Bottom:	315.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
230	241
Actual PSI Used	
250	260

TEST SEQUENCE	
Begin Logging	13:08
Start Inflation	13:19
Begin Pumping	13:38
End Pumping	16:39
End Logging	16:40

PUMPING RECORD		
Pumping Interval:	285	310
Pumping Rate:	1.5 gal/min	
Pumping Duration:	3:01	
Maximum Drawdown:	29.06	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	77.49%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.09439E-02	V=	11.81	1.51340E-02	V=	11.81	1.50E-02	V=	11.81
4.7773E-03	V=	278.6	5.4608E-03	V=	296.2	5.3762E-03	V=	315.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.81

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.81	11.55	11.58	11.38	11.73
2	11.8	11.59	11.61	40.67	18.15
3	11.73	11.75	11.65	11.77	11.57

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	10

RATE ADJUSTMENTS

initial rate 1.5gpm geosub, adjusted to 1.5gpm at 2:45 PM, adjusted to 1.5gpm at 3:10 PM, adjusted to 1.5gpm 3:50 PM, adjusted to 2gpm at 3:54 PM, lowered for sampling at 3:59 PM, generator fail at 4:05, restarted 4:12 PM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	320	345	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	5/16/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	313.6
Upper Packer - Top:	316.7
Upper Packer - Bottom:	320
Point B:	343.1
Lower Packer - Top:	345
Lower Packer - Bottom:	348.3
Assembly Bottom:	350.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
250	260
Actual PSI Used	
250	260

TEST SEQUENCE	
Begin Logging	9:54
Start Inflation	9:58
Begin Pumping	10:14
End Pumping	12:46
End Logging	12:46

PUMPING RECORD		
Pumping Interval:	320	345
Pumping Rate:	1.5 gal/min	
Pumping Duration:	2:32	
Maximum Drawdown:	2.15	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:00	
Percentage Recovery	94.42%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.17370E-02	V=	11.91	1.63240E-02	V=	11.91	1.62E-02	V=	11.91
4.7773E-03	V=	313.6	5.4608E-03	V=	331.2	5.3762E-03	V=	350.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.91

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.91	11.68	11.61	11.8	11.7
2	11.9	11.66	11.65	13.8	11.77
3	11.84	12.12	12.15	12.28	12.19

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	8

RATE ADJUSTMENTS

initial rate 1.5gpm, lowered for sampling 12:24 PM,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	375	400	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	5/16/2023	W.O.#:	FS1444

Initial Pipe Tally:	23
Pipes That Remain on Truck:	6

SETTING DEPTHS

Point A:	368.6
Upper Packer - Top:	371.7
Upper Packer - Bottom:	375
Point B:	398.1
Lower Packer - Top:	400
Lower Packer - Bottom:	403.3
Assembly Bottom:	405.4

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
282	291
Actual PSI Used	
300	300

TEST SEQUENCE

Begin Logging	13:24
Start Inflation	13:25
Begin Pumping	13:39
End Pumping	15:18
End Logging	15:21

PUMPING RECORD

Pumping Interval:	375	400
Pumping Rate:	2 gal/min	
Pumping Duration:	1:39	
Maximum Drawdown:	2.55	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:03	
Percentage Recovery	88.24%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.29988E-02	V=	11.91	1.82108E-02	V=	11.91	1.81E-02	V=	11.91
4.7773E-03	V=	368.6	5.4608E-03	V=	386.2	5.3762E-03	V=	405.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 11.91

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.9	11.69	11.67	11.82	11.74
2	11.88	12.15	12.21	14.76	12.51
3	11.87	12	12.05	13.07	12.35

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

initial rate 2gpm, lowered for sampling at 3:02 PM,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	405	430	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	5/17/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	398.6
Upper Packer - Top:	401.7
Upper Packer - Bottom:	405
Point B:	428.1
Lower Packer - Top:	430
Lower Packer - Bottom:	433.3
Assembly Bottom:	435.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
299	308
Actual PSI Used	
300	320

TEST SEQUENCE	
Begin Logging	9:08
Start Inflation	9:10
Begin Pumping	9:21
End Pumping	11:18
End Logging	11:19

PUMPING RECORD		
Pumping Interval:	405	430
Pumping Rate:	2 gal/min	
Pumping Duration:	1:57	
Maximum Drawdown:	6.79	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	77.03%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.36823E-02	V=	12	1.92423E-02	V=	12	1.9141E-02	V=	12
4.7773E-03	V=	398.6	5.4608E-03	V=	416.2	5.3762E-03	V=	435.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 12

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.95	11.79	11.78	11.77	11.86
2	12.03	11.98	12.01	18.8	13.57
3	11.99	11.95	11.94	12.7	12.15

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	4

RATE ADJUSTMENTS

initial rate 2gpm, lowered for sampling at 10:53 AM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	433	458	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	5/17/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	426.6
Upper Packer - Top:	429.7
Upper Packer - Bottom:	433
Point B:	456.1
Lower Packer - Top:	458
Lower Packer - Bottom:	461.3
Assembly Bottom:	463.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
315	324
Actual PSI Used	
320	330

TEST SEQUENCE	
Begin Logging	11:53
Start Inflation	11:55
Begin Pumping	12:17
End Pumping	15:02
End Logging	15:06

PUMPING RECORD		
Pumping Interval:	433	458
Pumping Rate:	1.5 gal/min	
Pumping Duration:	2:45	
Maximum Drawdown:	17.89	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:04	
Percentage Recovery	65.18%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.14341E-02	V=	12.1	2.02208E-02	V=	12.1	2.01E-02	V=	12.1
4.7773E-03	V=	426.6	5.4608E-03	V=	444.2	5.3762E-03	V=	463.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 12.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	12.12	11.96	11.95	12.41	12.08
2	12.08	11.92	12.01	29.9	18.24
3	12.07	11.91	12	13.52	12.9

Miscellaneous Notes

pump taken out 3:04 PM,

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	3

RATE ADJUSTMENTS

initial rate 1.5gpm,

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well G	INTERVAL:	470	495	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	5/18/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	463.6
Upper Packer - Top:	466.7
Upper Packer - Bottom:	470
Point B:	493.1
Lower Packer - Top:	495
Lower Packer - Bottom:	498.3
Assembly Bottom:	500.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
337	345
Actual PSI Used	
375	n/a

TEST SEQUENCE	
Begin Logging	8:41
Start Inflation	8:44
Begin Pumping	8:57
End Pumping	11:21
End Logging	11:22

PUMPING RECORD		
Pumping Interval:	470	495
Pumping Rate:	1.5 gal/min	
Pumping Duration:	2:24	
Maximum Drawdown:	4.89	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	20.25%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.51772E-02	V=	12.1	2.14698E-02	V=	12.1	2.14E-02	V=	12.1
4.7773E-03	V=	463.6	5.4608E-03	V=	481.2	5.3762E-03	V=	500.4

Additional Calibration Notes

top packer only

WATER LEVELS (ft)

Open Hole Static Water Level: 12.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	12.39	12.29	12.37	12.43	12.38
2	12.37	12.33	12.41	17.3	16.31
3	12.35	12.31	12.41	17.49	16.42

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	1

RATE ADJUSTMENTS

initial rate 2gpm,

SUMMARY

EDN
Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**62.4**	**75**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JH**	**DATE:**	**11/10/2022**	**W.O.#:**	**FS1444**

SETTING DEPTHS (ft below GS)	
Point A:	56
Upper Packer - Top:	59.1
Upper Packer - Bottom:	62.4
Point B:	73.1
Lower Packer - Top:	75
Lower Packer - Bottom:	78.3
Assembly Bottom:	80.35

PACKER INFLATION (psi)	
TOP	BOTTOM
N/A	120

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	12:15
Start Inflation	12:27
Begin Pumping	12:48
End Pumping	15:48
End Logging	15:50

PUMPING RECORD		
Pumping Interval:	62.4	75
Pumping Rate:	5	gal/min
Pumping Duration:	3:00	
Maximum Drawdown:	55.35	
Zone Volume	61	gal
Volume Purged	575	gal
Nature of Discharge:	Clear	
Recovery Time	0:02	
Percentage Recovery	88%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well I (SWL-75)

ASC Filename: HGL Well I (SWL-75)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.66455E-03	V=	14.12	7.22E-03	V=	14.12	7.25E-03	V=	14.12
5.19336E-03	V=	56	5.18E-03	V=	71.8	5.11E-03	V=	80.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 14.12

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	14.24	13.63	13.64	56.04	25.75
2	14.21	13.63	13.64	68.99	25.64
3	14.23	14.27	14.27	17.33	17.11

Miscellaneous Notes

Stopped pumping at 12:50 PM due to numerous leaks in purge line, restarted at 12:57 PM, increased PSI in packer to 150, geosub shut off at 3:48 PM

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	X	X
Peak	X	X
Recovery	X	X

Initial Pipe Tally	20
Pipes that remain on truck:	18.00

2

RATE ADJUSTMENTS

Pump stopped at 1:18 PM due to zone de-watering, pumping resumed at 2:27 PM at 8 gpm, rdeuced to 5 gpm at 2:30 PM, reduced to 3.5gpm at 2:33 PM, stopped pump at 2:53 PM due to recharge and for sampling, pumping resumed with geosub for sampling at 3:26 PM,

SUMMARY

EDN
Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**79**	**107**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JE**	**DATE:**	**11/14/2022**	**W.O.#:**	**FS1444**

SETTING DEPTHS (ft below GS)	
Point A:	72.6
Upper Packer - Top:	75.7
Upper Packer - Bottom:	79
Point B:	105.1
Lower Packer - Top:	107
Lower Packer - Bottom:	110.3
Assembly Bottom:	112.35

PACKER INFLATION (psi)	
TOP	BOTTOM
160	190

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	15:28
Start Inflation	15:31
Begin Pumping	15:43
End Pumping	16:19
End Logging	16:20

PUMPING RECORD		
Pumping Interval:	79	107
Pumping Rate:	5	gal/min
Pumping Duration:	0:36	
Maximum Drawdown:	32.69	
Zone Volume	73	gal
Volume Purged	220	gal
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	#DIV/0!	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well I (79-107)

ASC Filename: HGL Well I (79-107)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.24614E-03	V=	13.9	7.91E-03	V=	13.9	8.30E-03	V=	13.9
5.19336E-03	V=	72.6	5.18E-03	V=	88.5	5.11E-03	V=	112.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 13.9

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.92	9.4	9.77	11.91	
2	13.91	13.69	13.78	46.47	
3	13.92	13.74	13.84	15.54	

Miscellaneous Notes

down at 3:39 PM due to leak in pipe. Increased bottom packer pressure from 150 to 190 at 3:42 PM. Increased top packer press

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally	20
Pipes that remain on truck:	17.00

2

RATE ADJUSTMENTS

Pump started at 3:43 PM at 5 gpm.

SUMMARY

Purge completed today. Packers left inflated overnight. Will resume pumping and sample tomorrow. See day 2 field sheet.

Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**79**	**107**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JE**	**DATE:**	**11/15/2022**	**W.O.#:**	**FS1444**

Initial Pipe Tally	20
Pipes that remain on truck:	17.00

2

SETTING DEPTHS (ft below GS)	
Point A:	72.6
Upper Packer - Top:	75.7
Upper Packer - Bottom:	79
Point B:	105.1
Lower Packer - Top:	107
Lower Packer - Bottom:	110.3
Assembly Bottom:	112.35

PACKER INFLATION (psi)	
TOP	BOTTOM
160	190

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	8:32
Start Inflation	N/A
Begin Pumping	8:47
End Pumping	9:21
End Logging	9:24

PUMPING RECORD		
Pumping Interval:	79	107
Pumping Rate:	1	gal/min
Pumping Duration:	0:34	
Maximum Drawdown:	2.51	
Zone Volume	30	gal
Volume Purged	30	gal
Nature of Discharge:	Clear	
Recovery Time	0:03	
Percentage Recovery	114.27%	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well I Zone2 (79-107) Day 2

ASC Filename: HGL Well I Zone2 (79-107) Day 2

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.26743E-03	V=	13.6	7.91546E-03	V=	13.6	8.29366E-03	V=	13.6
5.19336E-03	V=	72.6	5.17713E-03	V=	88.5	5.11265E-03	V=	112.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 13.6

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	n/a	n/a	13.61	13.58	13.95
2	n/a	n/a	13.59	16.1	14.09
3	n/a	n/a	13.59	15.05	14.09

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS

Pump started at 1 gpm

SUMMARY

Purge of approximately 220 gal completed previous day using in-line pump. Sampling to be done today with geosub pump.

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STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**109**	**121**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JH**	**DATE:**	**11/11/2022**	**W.O.#:**	**FS1444**

SETTING DEPTHS (ft below GS)	
Point A:	102.6
Upper Packer - Top:	105.7
Upper Packer - Bottom:	109
Point B:	119.1
Lower Packer - Top:	121
Lower Packer - Bottom:	124.3
Assembly Bottom:	126.35

PACKER INFLATION (psi)	
TOP	BOTTOM
130	140

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	8:54
Start Inflation	9:03
Begin Pumping	9:13
End Pumping	9:31
End Logging	10:02

PUMPING RECORD		
Pumping Interval:	109	121
Pumping Rate:	5	gal/min
Pumping Duration:	0:18	
Maximum Drawdown:	32.89	
Zone Volume	0	
Volume Purged	150	gal
Nature of Discharge:	Clear	
Recovery Time	0:31	
Percentage Recovery	3:36	

DATA COLLECTION CALIBRATION

Configuration Filename: HGLWell I Zone 3 (109-121)

ASC Filename: HGLWell I Zone 3 (109-121)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.26614E-03	V=	14.1	8.81920E-03	V=	14.1	8.76836E-03	V=	14.1
5.19336E-03	V=	102.6	5.17713E-03	V=	118.4	5.11265E-03	V=	126.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 14.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	14.19	12.85	13.69	21.96	14.79
2	14.17	13.01	13.74	46.63	14.8
3	14.2	13.81	14.12	16.4	14.66

Miscellaneous Notes

Increased pressure in top packer to 150psi

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally	20
Pipes that remain on truck:	15.00

RATE ADJUSTMENTS

Start pump at 5 gpm, stopped inline pump at 9:31 AM, geosub started at 9:44 AM for sampling

SUMMARY

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STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**130**	**142**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JH**	**DATE:**	**11/11/2022**	**W.O.#:**	**FS1444**

SETTING DEPTHS (ft below GS)	
Point A:	123.6
Upper Packer - Top:	126.7
Upper Packer - Bottom:	130
Point B:	140.1
Lower Packer - Top:	142
Lower Packer - Bottom:	145.3
Assembly Bottom:	147.35

PACKER INFLATION (psi)	
TOP	BOTTOM
170	180

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	10:30
Start Inflation	10:34
Begin Pumping	10:43
End Pumping	11:51
End Logging	11:55

PUMPING RECORD		
Pumping Interval:	130	142
Pumping Rate:	1	gal/min
Pumping Duration:	68	min
Maximum Drawdown:	21.73	
Zone Volume	33	gal
Volume Purged	125	gal
Nature of Discharge:	Clear	
Recovery Time	0:04	
Percentage Recovery	4:16	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well I Zone 4 (130-142)
ASC Filename: HGL Well I Zone 4 (130-142)
Current V = static water level (ft)
Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.98603E-03	V=	14.3	9.54E-03	V=	14.3	9.48E-03	V=	14.3
5.19336E-03	V=	123.6	5.18E-03	V=	139.4	5.11E-03	V=	147.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 14.3

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	14.27	13.16	13.75	14.31	14.45
2	14.28	13.16	14.21	35.94	16.5
3	14.25	13.1	14.2	16.06	15

Miscellaneous Notes

Stopped pumping at 10:50 AM due to vaccum. Switched over to geosub pump at 11:00 AM. Pumping level taken with geosub pump.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	X	X
Peak	X	X
Recovery	X	X

Initial Pipe Tally	20
Pipes that remain on truck:	14.00

RATE ADJUSTMENTS

In-line pump started at 5gpm. Geosub started at 11:00 AM at approximately 1.0 gpm

SUMMARY

Purged approximately 50 gallons with in-line pump. Reamining purge and sampling done with geosub pump.

Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**143**	**159**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JH**	**DATE:**	**11/15/2022**	**W.O.#:**	**FS1444**

SETTING DEPTHS (ft below GS)	
Point A:	136.6
Upper Packer - Top:	139.7
Upper Packer - Bottom:	143
Point B:	157.1
Lower Packer - Top:	159
Lower Packer - Bottom:	162.3
Assembly Bottom:	164.35

PACKER INFLATION (psi)	
TOP	BOTTOM
165	220

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	12:11
Start Inflation	12:15
Begin Pumping	12:28
End Pumping	12:49
End Logging	13:33

PUMPING RECORD		
Pumping Interval:	143	159
Pumping Rate:	5	gal/min
Pumping Duration:	0:21	
Maximum Drawdown:	2.51	
Zone Volume	0	
Volume Purged	150	gal
Nature of Discharge:	ear andturbid	
Recovery Time	0:44	
Percentage Recovery	3:24	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well I Zone 5 (143-159)

ASC Filename: HGL Well I Zone 5 (143-159)

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.46405E-03	V=	14.35	1.01229E-02	V=	14.35	1.00763E-02	V=	14.35
5.19336E-03	V=	136.6	5.17713E-03	V=	152.5	5.11265E-03	V=	164.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level:

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	14.38	13.46	13.89	14.49	14.43
2	14.37	14.28	14.35	16.86	14.76
3	14.37	14.3	14.36	15.3	14.77

Miscellaneous Notes

Added 30psi to bottom packer at 12:29 PM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally	20
Pipes that remain on truck:	14.00

RATE ADJUSTMENTS

Start pump at 3 gpm. Adjusted to 5 gpm at 12:31 PM. Adusted to 5gpm at 12:34 PM In-line shut off at 12:49 PM. Pumping resumed with geosub at 1:01 PM at 1 gpm. Geosub shut off at 1:27 PM.

SUMMARY

EDN
Earth Data Northeast, Inc.

STRADDLE PACKER REDIFLOW TESTING FIELD INFORMATION

WELL:	**Well I**	**Interval:**	**183**	**195**	
PROJECT:	**HGL**	**CLIENT:**	**HGL**		
PERSONNEL:	**CC, MD, JH**	**DATE:**	**11/14/2022**	**W.O.#:**	**FS1444**

SETTING DEPTHS (ft below GS)	
Point A:	176.6
Upper Packer - Top:	179.7
Upper Packer - Bottom:	183
Point B:	193.1
Lower Packer - Top:	195
Lower Packer - Bottom:	198.3
Assembly Bottom:	200.35

PACKER INFLATION (psi)	
TOP	BOTTOM
190	N/A

TEST SEQUENCE (CTRL+SHIFT+;)	
Begin Logging	8:47
Start Inflation	8:51
Begin Pumping	9:03
End Pumping	11:21
End Logging	11:22

PUMPING RECORD		
Pumping Interval:	183	195
Pumping Rate:	1	gal/min
Pumping Duration:	68	min
Maximum Drawdown:	0.99	
Zone Volume	57	gal
Volume Purged	172	gal
Nature of Discharge:		
Recovery Time	0:01	
Percentage Recovery	1:18	

DATA COLLECTION CALIBRATION

Configuration Filename: HGL Well I Zone 6 (183-TD)
ASC Filename: HGL Well I Zone 6 (183-TD)
Current V = static water level (ft)
Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.08463E-02	V=	14	1.13922E-02	V=	14	1.13351E-02	V=	14
5.19336E-03	V=	176.6	5.17713E-03	V=	192.4	5.11265E-03	V=	200.35

Additional Calibration Notes

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 14

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	14.01	13.56	13.9	14.93	14.23
2	14.01	13.63	13.98	14.97	14.2
3	14.01	13.6	13.98	15.02	14.18

Miscellaneous Notes

Geosub lowered at 9:21 AM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally	20
Pipes that remain on truck:	12.00

RATE ADJUSTMENTS

Start pumping with in-line pumpat 5gpm at 9:04 AM. Shut off in-line due to drawdown at 9:15 AM. Purged approximately 70 gal with in-line pup.Swirched to geosub to continue pumping. Pumping resumed at 9:29 AM at 1gpm. Pump shut off at approximately 9:40 AM. Resumed at 9:53 AM. Adjusted pump to 1gpm at 10:14 AM. Adjusted to 1gpm at 10:27 AM. Adjusted to 1gpm at 10:35 AM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	68	80	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, CC	DATE:	12/15/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	61.6
Upper Packer - Top:	64.7
Upper Packer - Bottom:	68
Point B:	78.1
Lower Packer - Top:	80
Lower Packer - Bottom:	83.3
Assembly Bottom:	85.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
105	112
Actual PSI Used	
n/a	200

TEST SEQUENCE	
Begin Logging	10:55
Start Inflation	11:05
Begin Pumping	11:20
End Pumping	14:38
End Logging	14:45

PUMPING RECORD		
Pumping Interval:	68	80
Pumping Rate:	5 gal/min	
Pumping Duration:	3:18	
Maximum Drawdown:	23.58	
Zone Volume	31	
Volume Purged		
Nature of Discharge:		
Recovery Time	0:07	
Percentage Recovery	92.24%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
6.95474E-03	V=	11.6	7.54116E-03	V=	11.6	7.57276E-03	V=	11.6
5.1823E-03	V=	61.6	5.1836E-03	V=	78	5.1525E-03	V=	85.3

Additional Calibration Notes

top packer not inflated, actual interval is SWL-80

WATER LEVELS (ft)

Open Hole Static Water Level: 11.6

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	11.57	10.44	10.54	34.14	12.39
2	11.57	10.47	10.56	34.14	12.39
3	11.58	10.65	10.74	14.85	13.39

Miscellaneous Notes

packer pressure increased at 11:21 AM from 170 to 200psi. Increased packer pressure to 230psi at 11:55 AM. Adjusted packer pressure to 230psi at 12:38 PM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	X	X
Peak	X	X
Recovery	X	X

Initial Pipe Tally:	20
Pipes That Remain on Truck:	17

RATE ADJUSTMENTS

Pump started at 5gpm. Pump shut off at 12:08 PM to allow client to purge water. Pump restarted At 12:33 PM at 5gpm. Pump stopped at 1:20 PM to allow client to purge water. Pump restarted at 1:40 PM. In-line pump shut off at 1:57 PM. Sampling continued with geosub at 2:10 PM.

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	81	102	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	12/16/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	74.6
Upper Packer - Top:	77.7
Upper Packer - Bottom:	81
Point B:	100.1
Lower Packer - Top:	102
Lower Packer - Bottom:	105.3
Assembly Bottom:	107.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
114	125
Actual PSI Used	
160	140

TEST SEQUENCE	
Begin Logging	14:58
Start Inflation	14:59
Begin Pumping	15:11
End Pumping	16:18
End Logging	16:21

PUMPING RECORD		
Pumping Interval:	81	102
Pumping Rate:	5 gal/min	
Pumping Duration:	1:07	
Maximum Drawdown:	26.25	
Zone Volume	57	
Volume Purged	175	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	93.41%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.44847E-03	V=	9.1	8.13499E-03	V=	9.1	8.41364E-03	V=	9.1
5.1823E-03	V=	74.6	5.1836E-03	V=	93.1	5.1525E-03	V=	107.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.1

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.08	7.88	8.04	15.35	9.10
2	9.12	7.93	8.09	34.34	9.82
3	9.1	9.62	9.73	10.57	10.02

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	17

RATE ADJUSTMENTS

in line started 5gpm, cut in line 3:45 PM, geosubstarted at 3:55 PM at 1gpm

SUMMARY

added 40psi top packer to combat drawdown,

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	102	124	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	12/19/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	95.6
Upper Packer - Top:	98.7
Upper Packer - Bottom:	102
Point B:	122.1
Lower Packer - Top:	124
Lower Packer - Bottom:	127.3
Assembly Bottom:	129.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
126	137
Actual PSI Used	
160	200

TEST SEQUENCE	
Begin Logging	9:13
Start Inflation	9:22
Begin Pumping	9:35
End Pumping	11:13
End Logging	11:18

PUMPING RECORD		
Pumping Interval:	102	124
Pumping Rate:	5 gal/min	
Pumping Duration:	1:38	
Maximum Drawdown:	110.81	
Zone Volume	57	
Volume Purged	215	
Nature of Discharge:	clear	
Recovery Time	0:05	
Percentage Recovery	98.75%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.18786E-03	V=	10.4	8.87086E-03	V=	10.4	9.13977E-03	V=	10.4
5.1823E-03	V=	95.6	5.1836E-03	V=	114.1	5.1525E-03	V=	129.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 10.4

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	10.42	9.03	9.39	7.77	9.87
2	10.42	10.5	10.73	121.54	12.11
3	10.42	10.57	10.81	14.53	11.82

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	16

RATE ADJUSTMENTS

in line started at 5gpm, generater fail at 9:36, restarted at 9:39 AM, at 5gpm, adjusted to 2gpm at 10:02 AM, cut in line at 10:18 AM, geosub started 10:36 AM at 1gpm

SUMMARY

drawdown in bottom zone, additional 30psi added to bottom packer at 9:41 AM, slight drawdown in top zone, added 20psi to top packer at 9:53 AM

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STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	125	147	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	12/19/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	118.6
Upper Packer - Top:	121.7
Upper Packer - Bottom:	125
Point B:	145.1
Lower Packer - Top:	147
Lower Packer - Bottom:	150.3
Assembly Bottom:	152.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
139	150
Actual PSI Used	
150	200

TEST SEQUENCE	
Begin Logging	12:16
Start Inflation	12:18
Begin Pumping	12:32
End Pumping	13:43
End Logging	13:46

PUMPING RECORD		
Pumping Interval:	125	147
Pumping Rate:	5 gal/min	
Pumping Duration:	1:11	
Maximum Drawdown:	36.44	
Zone Volume	57	
Volume Purged	225	
Nature of Discharge:	clear	
Recovery Time	0:03	
Percentage Recovery	97.64%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.98341E-03	V=	9.6	9.66387E-03	V=	9.6	9.91394E-03	V=	9.6
5.1823E-03	V=	118.6	5.1836E-03	V=	137.1	5.1525E-03	V=	152.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.6

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.6	8.15	8.86	11.83	9.68
2	9.59	8.4	9.04	45.48	9.9
3	9.6	10.21	10.31	11.19	10.61

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	15

RATE ADJUSTMENTS

in line started at 5gpm, cut in line at 1:06 PM, started geosub at 1:20 PM at 1gpm

SUMMARY

packers adjusted to 150psi in top and 200psi in bottomat 12:39 PM due to equipement leak

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	150	172	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	12/19/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	143.6
Upper Packer - Top:	146.7
Upper Packer - Bottom:	150
Point B:	170.1
Lower Packer - Top:	172
Lower Packer - Bottom:	175.3
Assembly Bottom:	177.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
154	164
Actual PSI Used	
180	210

TEST SEQUENCE	
Begin Logging	14:25
Start Inflation	14:26
Begin Pumping	14:35
End Pumping	15:32
End Logging	15:54

PUMPING RECORD		
Pumping Interval:	150	172
Pumping Rate:	5 gal/min	
Pumping Duration:	0:57	
Maximum Drawdown:	164.97	
Zone Volume	57	
Volume Purged	80	
Nature of Discharge:	clear	
Recovery Time	0:22	
Percentage Recovery	105.91%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.83617E-03	V=	9.5	1.05149E-02	V=	9.5	1.07564E-02	V=	9.5
5.1823E-03	V=	143.6	5.1836E-03	V=	162.1	5.1525E-03	V=	177.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.5

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.49	8.19	8.64	7.59	
2	9.49	9.64	9.75	174.72	
3	9.51	0.16	10.24	10.72	

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	13

RATE ADJUSTMENTS

started in line at 5gpm, in line cut at 2:53 PM for dewatering, in line started again at 2gpm at 3:23 PM, shut off due to dewatering at 3:32 PM,

SUMMARY

80galpumped 12/19, left inflated overnight to allow for recharge and continue pumping on 12/20/2022

EDN
Earth Data Northeast, Inc.

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	150	172	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, JH	DATE:	12/20/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	143.6
Upper Packer - Top:	146.7
Upper Packer - Bottom:	150
Point B:	170.1
Lower Packer - Top:	172
Lower Packer - Bottom:	175.3
Assembly Bottom:	177.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
154	165
Actual PSI Used	
200	210

TEST SEQUENCE	
Begin Logging	8:58
Start Inflation	day 1
Begin Pumping	9:14
End Pumping	13:10
End Logging	13:18

PUMPING RECORD		
Pumping Interval:	150	172
Pumping Rate:	2 gal/min	
Pumping Duration:	3:56	
Maximum Drawdown:	54.36	
Zone Volume	57	
Volume Purged	200	
Nature of Discharge:	clear	
Recovery Time	0:08	
Percentage Recovery	99.10%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.85779E-03	V=	9.15	1.05045E-02	V=	9.15	1.07259E-02	V=	9.15
5.1823E-03	V=	143.6	5.1836E-03	V=	162.1	5.1525E-03	V=	177.3

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.15

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1			9.16	9.74	9.55
2			9.18	63.54	9.67
3			9.2	9.47	9.42

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	13

RATE ADJUSTMENTS

started in line at 5gpm, in line cut at 2:53 PM for dewatering, in line started again at 2gpm at 3:23 PM, shut off due to dewatering at 3:32 PM, day 2 started pumping at 1gpm with in line, in line shut off at 9:39 AM, started in line at 10:03 AM at 1gpm, pump shut off at 10:18 AM due to dewatering, geosub started at 11:04 AM at 1/2gpm, adjusted to 1gpm at 12:33 PM,

SUMMARY

80gal pumped 12/19, left inflated overnight to allow for recharge and continue pumping on 12/20/2022 finished pumping 120 gllons on 12/20

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	HGL Well J	INTERVAL:	175	187	
PROJECT:		CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	12/16/2022	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	168.6
Upper Packer - Top:	171.7
Upper Packer - Bottom:	175
Point B:	185.1
Lower Packer - Top:	187
Lower Packer - Bottom:	190.3
Assembly Bottom:	192.3

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
168	173
Actual PSI Used	
210	0

TEST SEQUENCE	
Begin Logging	9:05
Start Inflation	9:11
Begin Pumping	9:22
End Pumping	10:40
End Logging	10:44

PUMPING RECORD		
Pumping Interval:	175	187
Pumping Rate:	5 gal/min	
Pumping Duration:	1:18	
Maximum Drawdown:	151.47	
Zone Volume	31	
Volume Purged	225	
Nature of Discharge:	cloudy	
Recovery Time	0:04	
Percentage Recovery	99.75%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.06868E-02	V=	9.27	1.12699E-02	V=	9.27	1.12466E-02	V=	9.27
5.1823E-03	V=	168.6	5.1836E-03	V=	185	5.1525E-03	V=	192.3

Additional Calibration Notes

only upper packer inflated, actual interval 175-TD

WATER LEVELS (ft)

Open Hole Static Water Level: 9.27

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.28	8.49	8.74	8.25	8.99
2	9.29	10.02	10.05	161.52	10.43
3	9.31	10.11	10.15	166.05	10.56

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

Initial Pipe Tally:	20
Pipes That Remain on Truck:	12

RATE ADJUSTMENTS

in line started at 5gpm, adjusted back to 5gpm at 9:35 AM, cut in line at 10:02 AM, started geosub at 10:15 AM at 1gpm,

SUMMARY

additional 10psi added to top packer at 9:31 AM

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well K	INTERVAL:	90	110	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MD, MC	DATE:	5/15/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	83.6
Upper Packer - Top:	86.7
Upper Packer - Bottom:	90
Point B:	108.1
Lower Packer - Top:	110
Lower Packer - Bottom:	113.3
Assembly Bottom:	115.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
120	130
Actual PSI Used	
na	170

TEST SEQUENCE	
Begin Logging	8:51
Start Inflation	8:57
Begin Pumping	9:21
End Pumping	13:11
End Logging	13:11

PUMPING RECORD		
Pumping Interval:	90	110
Pumping Rate:	5 gal/min	
Pumping Duration:	3:50	
Maximum Drawdown:	0.88	
Zone Volume	261	
Volume Purged	790	
Nature of Discharge:	Clear	
Recovery Time	0:00	
Percentage Recovery	-5.68%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
7.72907E-03	V=	9.19	6.90466E-03	V=	9.19	8.37E-03	V=	9.19
5.1669E-03	V=	83.6	4.7822E-03	V=	101.2	5.1832E-03	V=	115.4

Additional Calibration Notes

bottom inflation only

WATER LEVELS (ft)

Open Hole Static Water Level: 9.19

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.17	8.98	9.12	10.02	10.03
2	9.14	8.96	9.11	9.99	10.04
3	9.19	8.92	9.14	10.13	10.1

Miscellaneous Notes

i in bottom packer to 250. started pump back up at 10:34 AM. Pump stopped at 11:31 AM to purge from tank. Restart pump at 11:56 A

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

pumping at 5 gpm.

SUMMARY

Initial Pipe Tally:	23
Pipes That Remain on Truck:	19

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well K	INTERVAL:	111	136	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MC JH	DATE:	5/24/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	104.6
Upper Packer - Top:	107.7
Upper Packer - Bottom:	111
Point B:	134.1
Lower Packer - Top:	136
Lower Packer - Bottom:	139.3
Assembly Bottom:	141.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
131	144
Actual PSI Used	
170	170

TEST SEQUENCE	
Begin Logging	14:40
Start Inflation	14:42
Begin Pumping	14:51
End Pumping	15:57
End Logging	16:20

PUMPING RECORD		
Pumping Interval:	111	136
Pumping Rate:	5 gal/min	
Pumping Duration:	1:06	
Maximum Drawdown:	0.77	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:23	
Percentage Recovery	53.25%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
8.44021E-03	V=	9.42	7.37798E-03	V=	9.42	9.02439E-03	V=	9.42
5.1669E-03	V=	104.6	4.7822E-03	V=	122.2	5.1832E-03	V=	141.4

Additional Calibration Notes

upped PSI in both packers to 230 PSI and 210 PSI respectively to curb connection between zones.

WATER LEVELS (ft)

Open Hole Static Water Level: 9.42

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.39	8.72	9.06	9.83	9.43
2	9.4	8.85	9.14	9.91	9.5
3	9.39	8.87	9.1	9.87	9.54

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	18

RATE ADJUSTMENTS

inline pump stopped at 3:24 PM. Pump zone at 17.34 Ft. geosub started at 3:32 PM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well K	INTERVAL:	150	175	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MC JH	DATE:	5/23/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	143.6
Upper Packer - Top:	146.7
Upper Packer - Bottom:	150
Point B:	173.1
Lower Packer - Top:	175
Lower Packer - Bottom:	178.3
Assembly Bottom:	180.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
154	166
Actual PSI Used	
190	190

TEST SEQUENCE	
Begin Logging	9:46
Start Inflation	9:49
Begin Pumping	10:03
End Pumping	12:36
End Logging	12:37

PUMPING RECORD		
Pumping Interval:	150	175
Pumping Rate:	5 gal/min	
Pumping Duration:	2:33	
Maximum Drawdown:	184.37	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	91.79%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
9.82384E-03	V=	9.28	8.30021E-03	V=	9.28	1.04051E-02	V=	9.28
5.1669E-03	V=	143.6	4.7822E-03	V=	161.2	5.1832E-03	V=	180.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.28

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.28	8.33	8.53	10.55	9.06
2	9.26	8.49	8.71	193.08	23.85
3	9.29	9.15	9.59	9.91	9.64

Miscellaneous Notes

dewatered at 10:26 AM. Starting to pump at 11:13 AM at 5 gpm. Dewatered at 11:32 AM. Started geosub at 11:56 AM.

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

starting rate 5 gpm

SUMMARY

Initial Pipe Tally:	23
Pipes That Remain on Truck:	16

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well K	INTERVAL:	175	200	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MC JH	DATE:	5/23/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	168.6
Upper Packer - Top:	171.7
Upper Packer - Bottom:	175
Point B:	198.1
Lower Packer - Top:	200
Lower Packer - Bottom:	203.3
Assembly Bottom:	205.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
168	180
Actual PSI Used	
200	200

TEST SEQUENCE	
Begin Logging	13:07
Start Inflation	13:09
Begin Pumping	13:43
End Pumping	15:06
End Logging	15:07

PUMPING RECORD		
Pumping Interval:	175	200
Pumping Rate:	5 gal/min	
Pumping Duration:	1:23	
Maximum Drawdown:	1.05	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	38.10%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.06842E-02	V=	9.45	8.87291E-03	V=	9.45	1.12630E-02	V=	9.45
5.1669E-03	V=	168.6	4.7822E-03	V=	186.2	5.1832E-03	V=	205.4

Additional Calibration Notes

WATER LEVELS (ft)

Open Hole Static Water Level: 9.45

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.43	8.5	8.54	7.68	8.67
2	9.43	9.31	9.46	10.51	10.11
3	9.43	9.33	9.48	10.12	10.11

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	15

RATE ADJUSTMENTS

ampled at 3:05 PM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well K	INTERVAL:	200	225	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MC JH	DATE:	5/24/2023	W.O.#:	FS1444

SETTING DEPTHS	
Point A:	193.6
Upper Packer - Top:	196.7
Upper Packer - Bottom:	200
Point B:	223.1
Lower Packer - Top:	225
Lower Packer - Bottom:	228.3
Assembly Bottom:	230.4

PACKER INFLATION (psi)	
TOP	BOTTOM
Minimum Required	Minimum Required
183	194
Actual PSI Used	
210	210

TEST SEQUENCE	
Begin Logging	9:09
Start Inflation	9:15
Begin Pumping	9:35
End Pumping	10:50
End Logging	10:51

PUMPING RECORD		
Pumping Interval:	200	225
Pumping Rate:	5 gal/min	
Pumping Duration:	1:15	
Maximum Drawdown:	1.08	
Zone Volume	65	
Volume Purged	200	
Nature of Discharge:	Clear	
Recovery Time	0:01	
Percentage Recovery	7.41%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.15480E-02	V=	9.21	9.44941E-03	V=	9.21	1.21280E-02	V=	9.21
5.1669E-03	V=	193.6	4.7822E-03	V=	211.2	5.1832E-03	V=	230.4

Additional Calibration Notes

upped packers to 240 PSI to curb communication between zones. 9:44 AM

WATER LEVELS (ft)

Open Hole Static Water Level: 9.21

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.17	8.82	8.83	9.26	9.28
2	9.19	9	9	10.08	10
3	9.19	9.05	9.08	9.75	9.77

Miscellaneous Notes

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

Initial Pipe Tally:	23
Pipes That Remain on Truck:	14

RATE ADJUSTMENTS

pump start at 5 gpm. Stopped pump at 10:10 AM with pumping zone at 17.18 ft. 10:09 AM. Geosub start at 10:24 AM

SUMMARY

STRADDLE PACKER TESTING FIELD INFORMATION

WELL:	Well K	INTERVAL:	228	TD	
PROJECT:	North Penn Superfund Site NP-5	CLIENT:	HGL		
PERSONNEL:	MC JH	DATE:	5/24/2023	W.O.#:	FS1444

Initial Pipe Tally:	23
Pipes That Remain on Truck:	13

SETTING DEPTHS

Point A:	221.6
Upper Packer - Top:	224.7
Upper Packer - Bottom:	228
Point B:	#VALUE!
Lower Packer - Top:	TD
Lower Packer - Bottom:	#VALUE!
Assembly Bottom:	#VALUE!

PACKER INFLATION (psi)

TOP	BOTTOM
Minimum Required	Minimum Required
199	#VALUE!
Actual PSI Used	
200	na

TEST SEQUENCE

Begin Logging	11:31
Start Inflation	11:34
Begin Pumping	12:20
End Pumping	13:44
End Logging	13:46

PUMPING RECORD

Pumping Interval:	228	TD
Pumping Rate:	5 gal/min	
Pumping Duration:	1:24	
Maximum Drawdown:	0.64	
Zone Volume	65	
Volume Purged	250	
Nature of Discharge:	Clear	
Recovery Time	0:02	
Percentage Recovery	25.00%	

DATA COLLECTION CALIBRATION

Configuration Filename:

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1 (Top)			CHANNEL 2 (Middle)			CHANNEL 3 (Lower)		
1.22441E-02	V=	9.39	9.91234E-03	V=	9.39	1.28222E-02	V=	9.39
5.1669E-03	V=	221.6	4.7822E-03	V=	239.2	5.1832E-03	V=	#VALUE!

Additional Calibration Notes

upped PSI to 230 in top packer to curb communication between zones.

WATER LEVELS (ft)

Open Hole Static Water Level: 9.39

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	9.35	9.17	9.12	9.69	9.6
2	9.35	9.14	9.17	9.81	9.65
3	9.37	9.14	9.16	9.81	9.65

Miscellaneous Notes

top packer only inflation

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start	x	x
Peak	x	x
Recovery	x	x

RATE ADJUSTMENTS

inline 5 gpm. Geosub started 1:16 PM.

SUMMARY

ATTACHMENT 5

WELL CONSTRUCTION DIAGRAMS

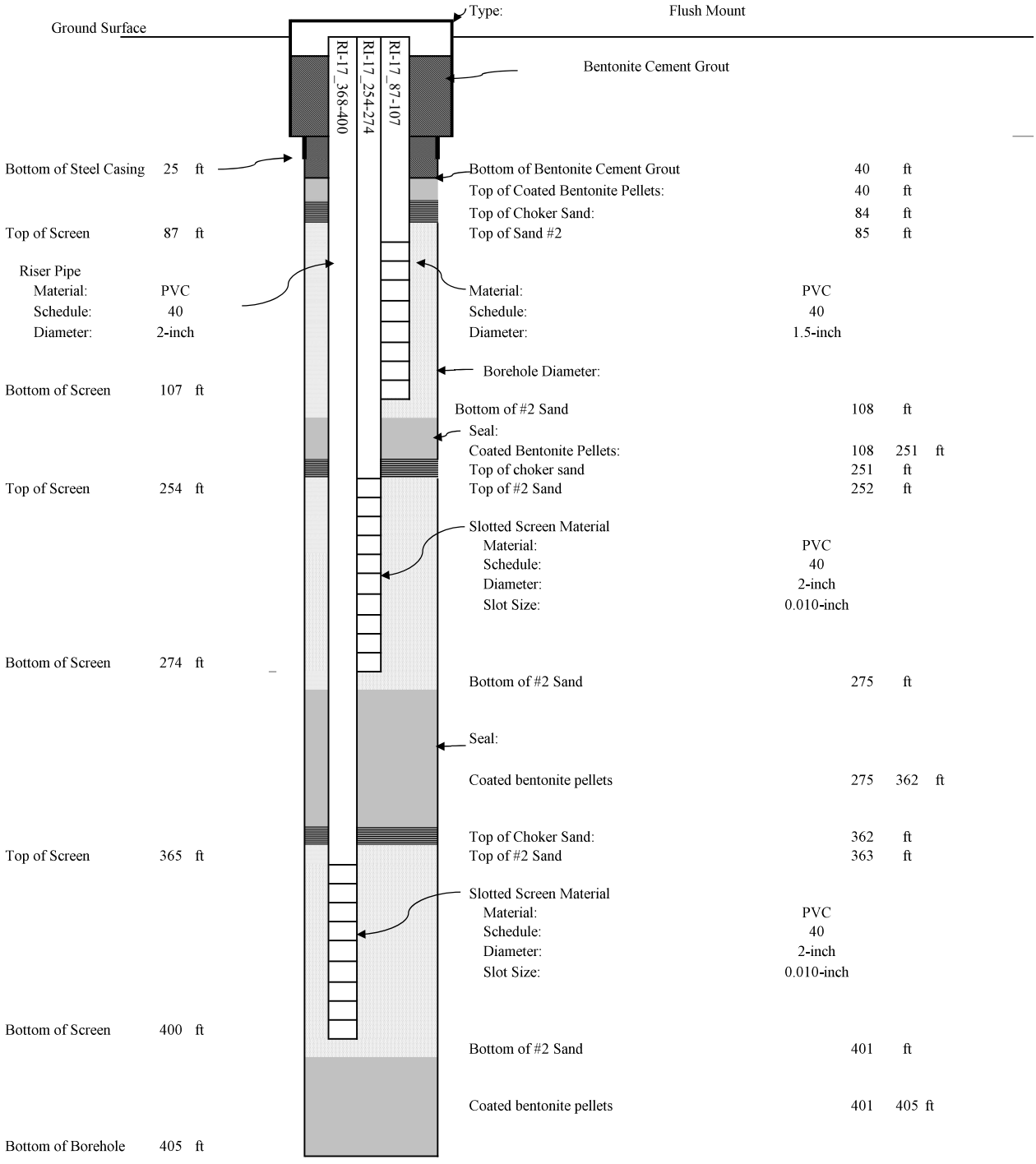
HydroGeoLogic, Inc.
11107 Sunset Hills Road, Suite 400
Reston, Virginia 20190
(703) 478-5186

Well Construction Diagram

Well Identification: RI-17 Well Cluster

Client: EPA Region 3
Project: North Penn 5 OU2
Proj. No.:
HGL Geologist: D. Back
Drilling Company: Rabb Drilling
Driller: R. Rabb
Drilling Method: Air Rotary

Date Installed: 5/18/2023
Date Developed:
Development Method:
Water Removed During Development:
Static Water Level Depth/Elevation:
Top of Casing Elevation:
Ground Elevation:



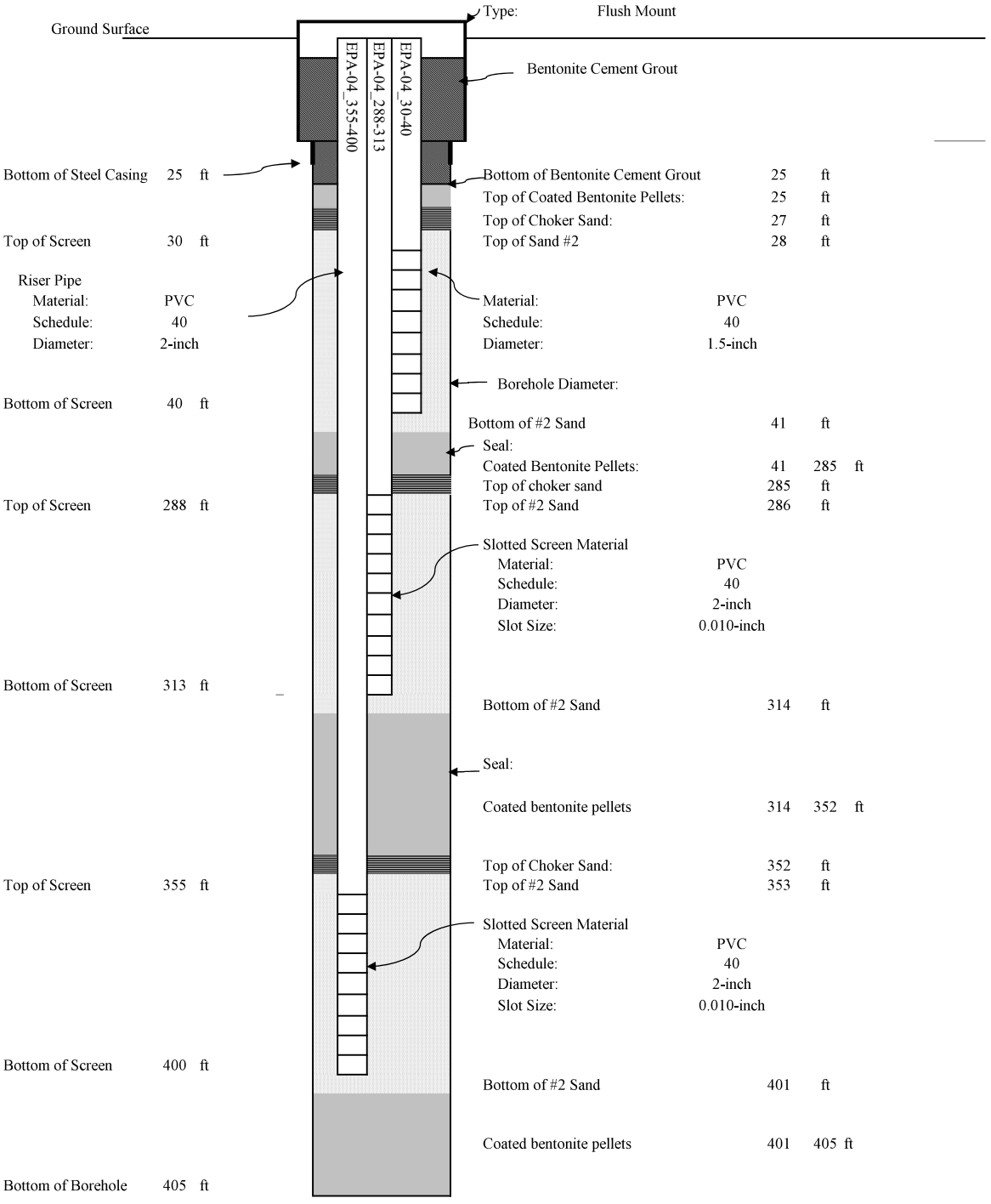
HydroGeoLogic, Inc.
11107 Sunset Hills Road, Suite 400
Reston, Virginia 20190
(703) 478-5186

Well Construction Diagram

Well Identification: EPA-04 Well Cluster

Client: EPA Region 3
Project: North Penn 5 OU2
Proj. No.:
HGL Geologist: D. Back
Drilling Company: Rabb Drilling
Driller: R. Rabb
Drilling Method: Air Rotary

Date Installed: 5/16/2023
Date Developed:
Development Method:
Water Removed During Development(gal):
Static Water Level Depth/Elevation:
Top of Casing Elevation:
Ground Elevation:



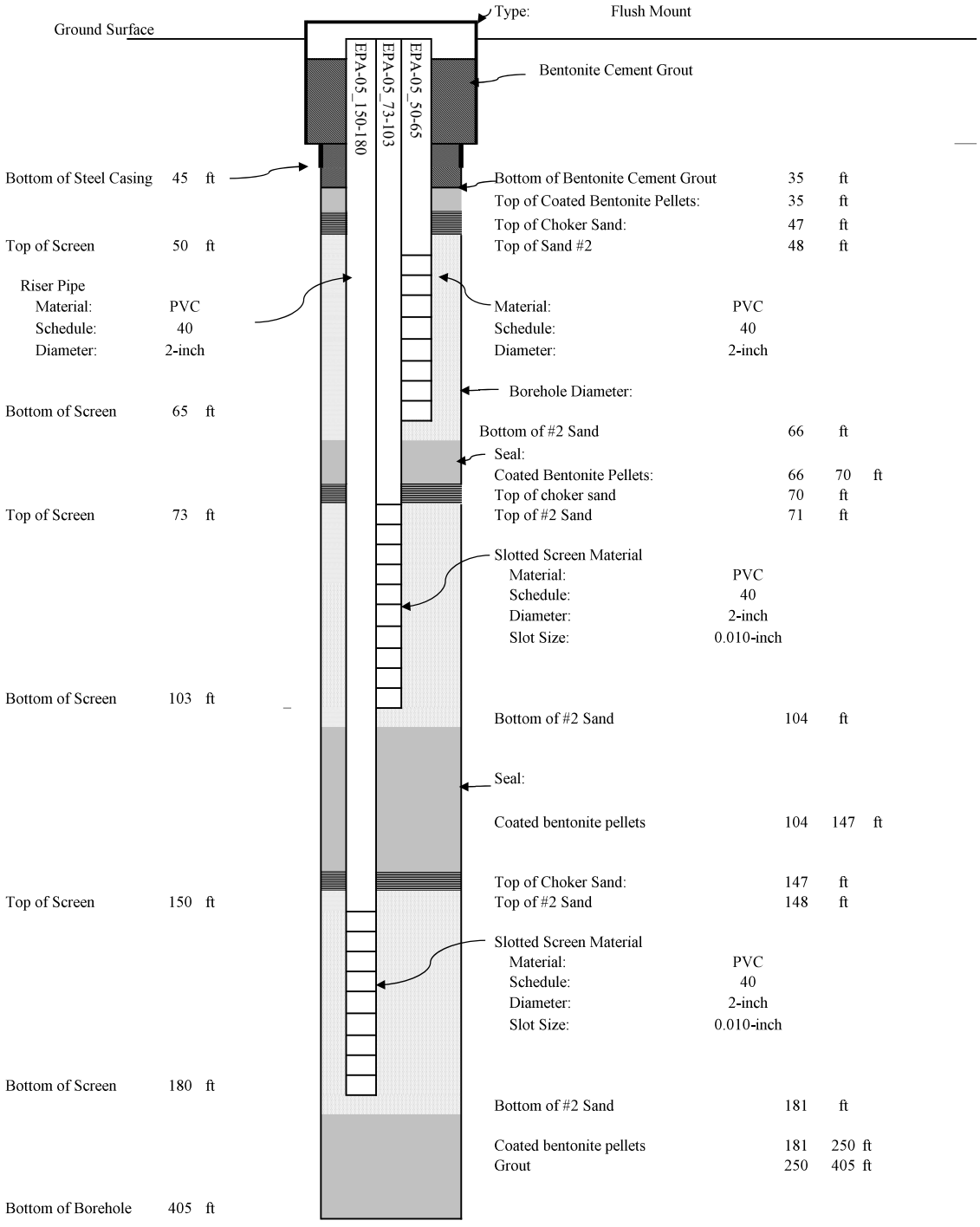
HydroGeoLogic, Inc.
11107 Sunset Hills Road, Suite 400
Reston, Virginia 20190
(703) 478-5186

Well Construction Diagram

Well Identification: EPA-05 Well Cluster

Client: EPA Region 3
Project: North Penn 5 OU2
Proj. No.:
HGL Geologist: D. Back
Drilling Company: Rabb Drilling
Driller: R. Rabb
Drilling Method: Air Rotary

Date Installed: 6/26/2023
Date Developed:
Development Metho
Water Removed During Development:
Static Water Level Depth/Elevation:
Top of Casing Elevatio
Ground Elevation:

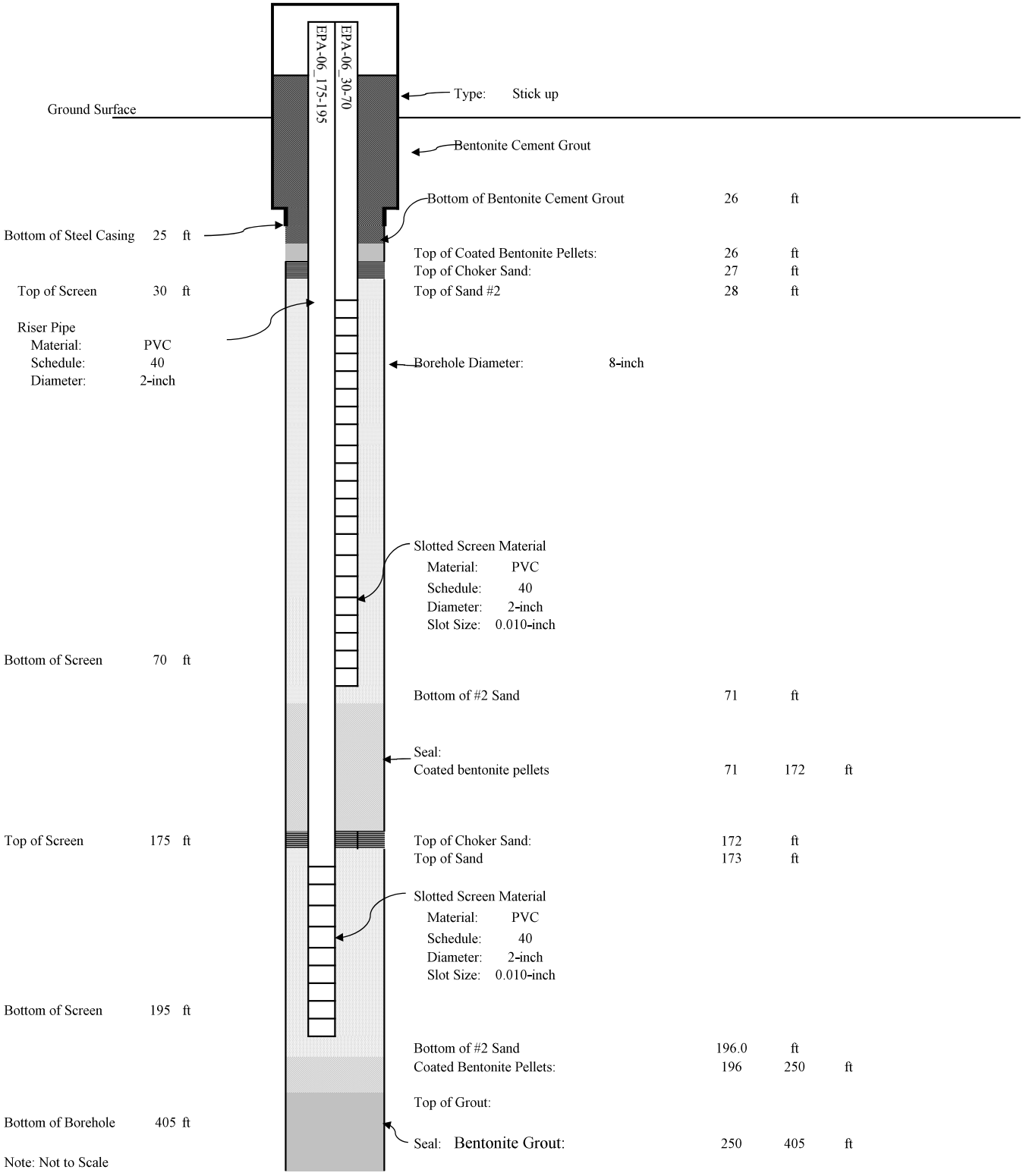


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Reston, Virginia 20190
(703) 478-5186

Well Construction Diagram

Well Identification: EPA-06 Well Cluster

Client:	EPA Region 3	**Date Installed:**	5/17/2023
Project:	North Penn 5 OU2	**Date Developed:**	
Proj. No.:		**Development Method:**	
HGL Geologist:	D. Back	**Water Removed During Development (gal):**	
Drilling Company:	Rabb Drilling	**Static Water Level Depth/Elevation:**	
Driller:	R. Rabb	**Top of Casing Elevation:**	
Drilling Method:	Air Rotary	**Ground Elevation:**	

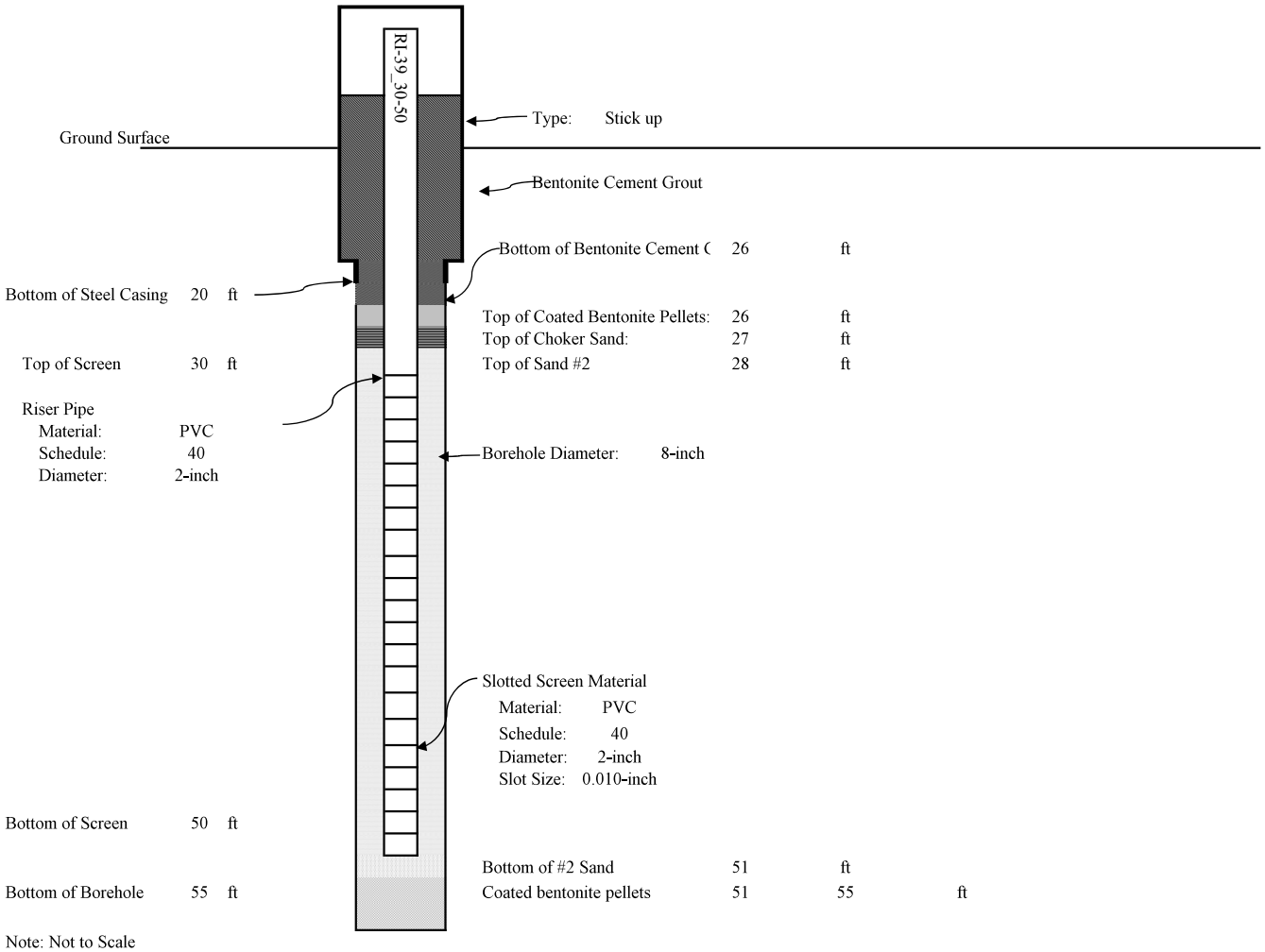


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Well Construction Diagram

Well Identification: RI-39_30-50

Client:	EPA Region 3	**Date Installed:**	5/16/2023
Project:	North Penn 5 OU2	**Date Developed:**	
Proj. No.:		**Development Method:**	
HGL Geologist:	D. Back	**Water Removed During Development:**	
Drilling Company:	Rabb Drilling	**Static Water Level Depth/Elevation:**	
Driller:	R. Rabb	**Top of Casing Elevation:**	
Drilling Method:	Air Rotary	**Ground Elevation:**	



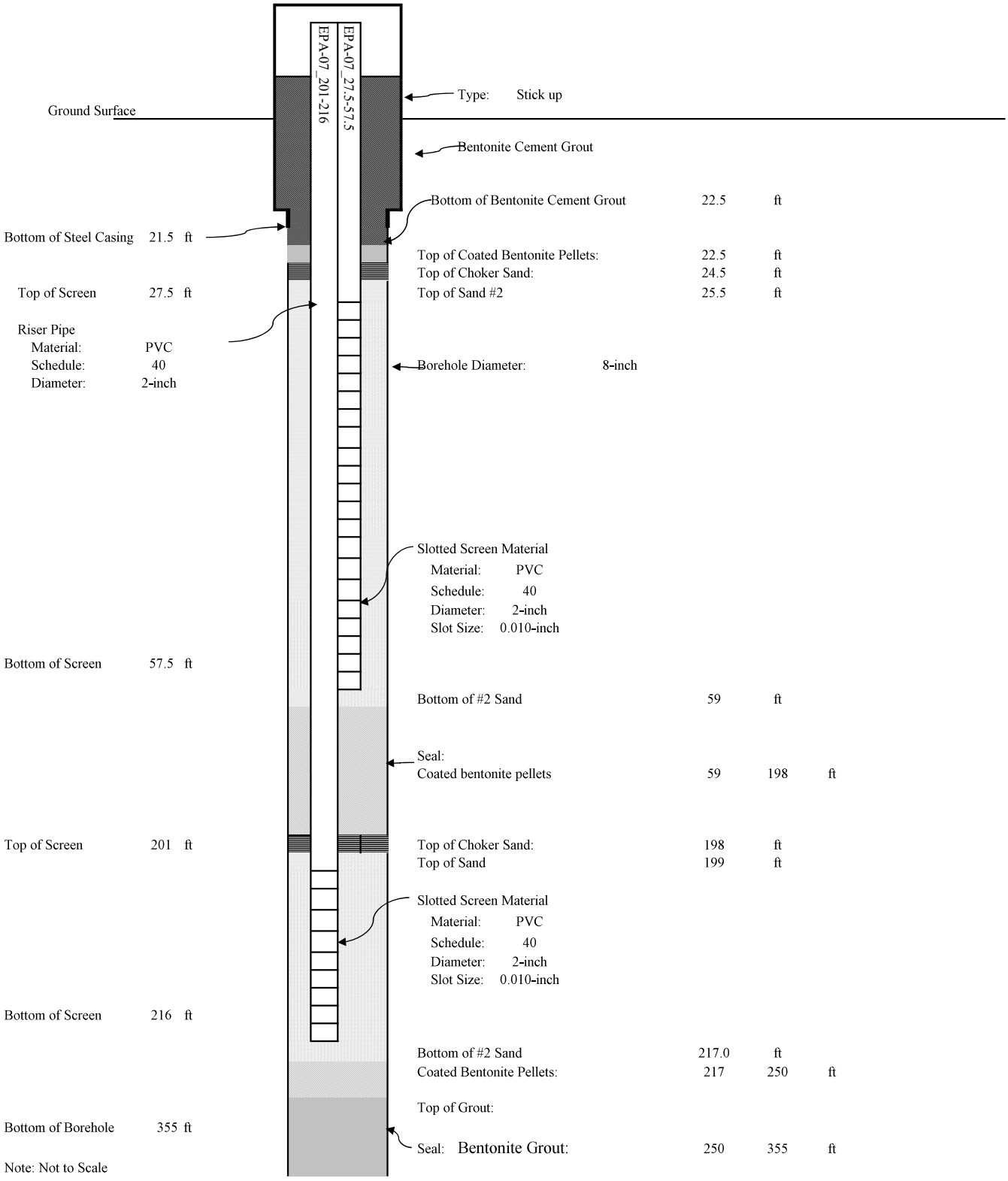
Note: Not to Scale

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Well Construction Diagram

Well Identification: EPA-07 Well Cluster

Client:	EPA Region 3	**Date Installed:**	5/11/2023
Project:	North Penn 5 OU2	**Date Developed:**	
Proj. No.:		**Development Method:**	Pump
HGL Geologist:	D. Back	**Water Removed During Development (gal):**	90 340
Drilling Company:	Rabb Drilling	**Static Water Level Depth/Elevation:**	32.6/33.1
Driller:	R. Rabb	**Top of Casing Elevation:**	
Drilling Method:	Air Rotary	**Ground Elevation:**	

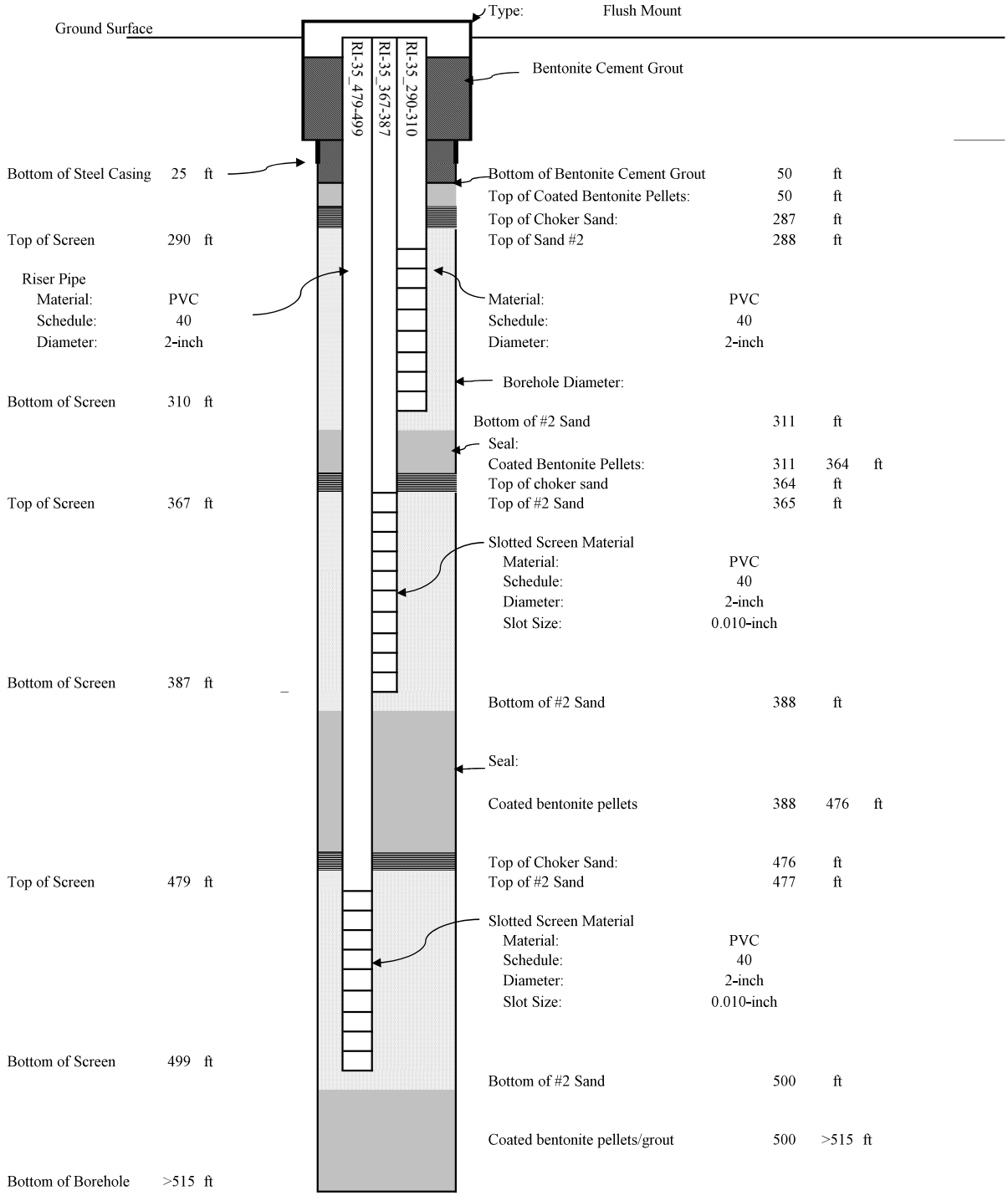


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Well Construction Diagram

Well Identification: RI-35 Well Cluster

Client:	EPA Region 3	**Date Installed:**	6/13/2023
Project:	North Penn 5 OU2	**Date Developed:**	
Proj. No.:		**Development Method**	
HGL Geologist:	D. Back	**Water Removed During Development:**	
Drilling Company:	Rabb Drilling	**Static Water Level Depth/Elevation:**	
Driller:	R. Rabb	**Top of Casing Elevatio**	
Drilling Method:	Air Rotary	**Ground Elevation:**	



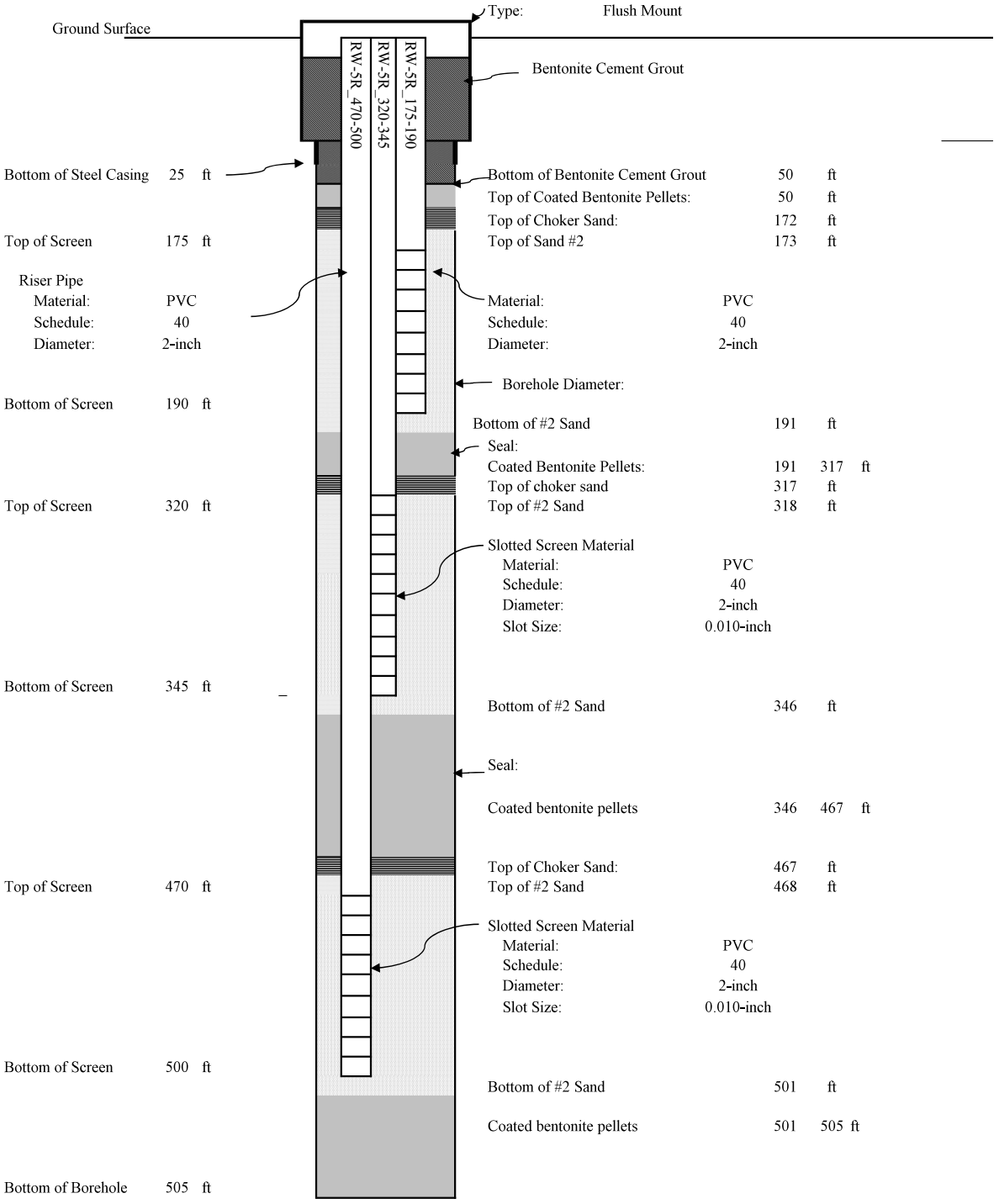
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Well Construction Diagram

Well Identification: RW-5R Well Cluster

Client: EPA Region 3
Project: North Penn 5 OU2
Proj. No.:
HGL Geologist:
Drilling Company: Rabb Drilling
Driller: R. Rabb
Drilling Method: Air Rotary

Date Installed: 6/14/2023
Date Developed:
Development Method
Water Removed During Development:
Static Water Level Depth/Elevation:
Top of Casing Elevatio
Ground Elevation:

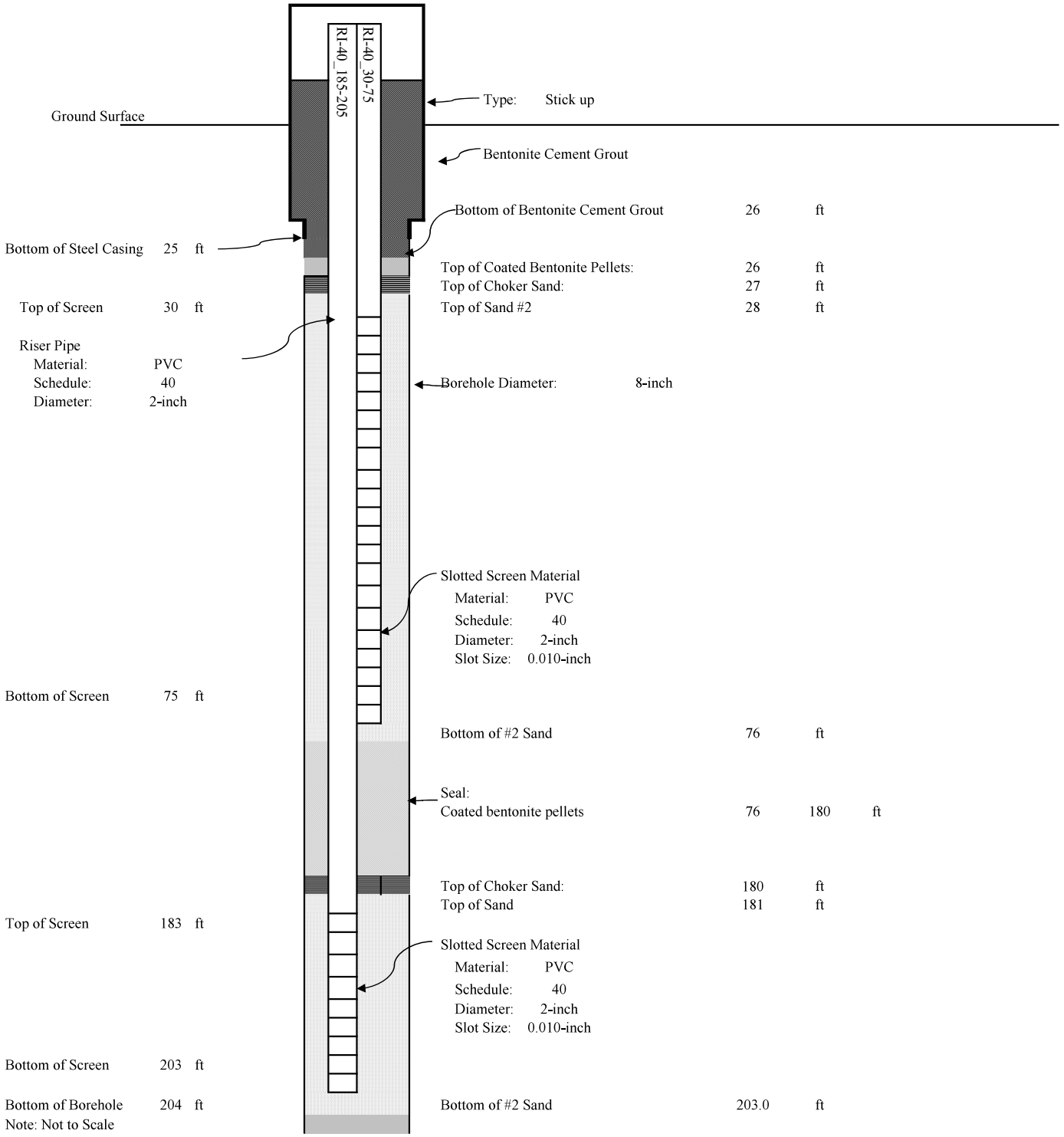


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Well Construction Diagram

Well Identification: RI-40 Well Cluster

Client:	EPA Region 3	**Date Installed:**	5/9/2013
Project:	North Penn 5 OU2	**Date Developed:**	
Proj. No.:		**Development Method:**	
HGL Geologist:		**Water Removed During Development:**	
Drilling Company:	Rabb Drilling	**Static Water Level Depth/Elevation:**	
Driller:	R. Rabb	**Top of Casing Elevation:**	
Drilling Method:	Air Rotary	**Ground Elevation:**	

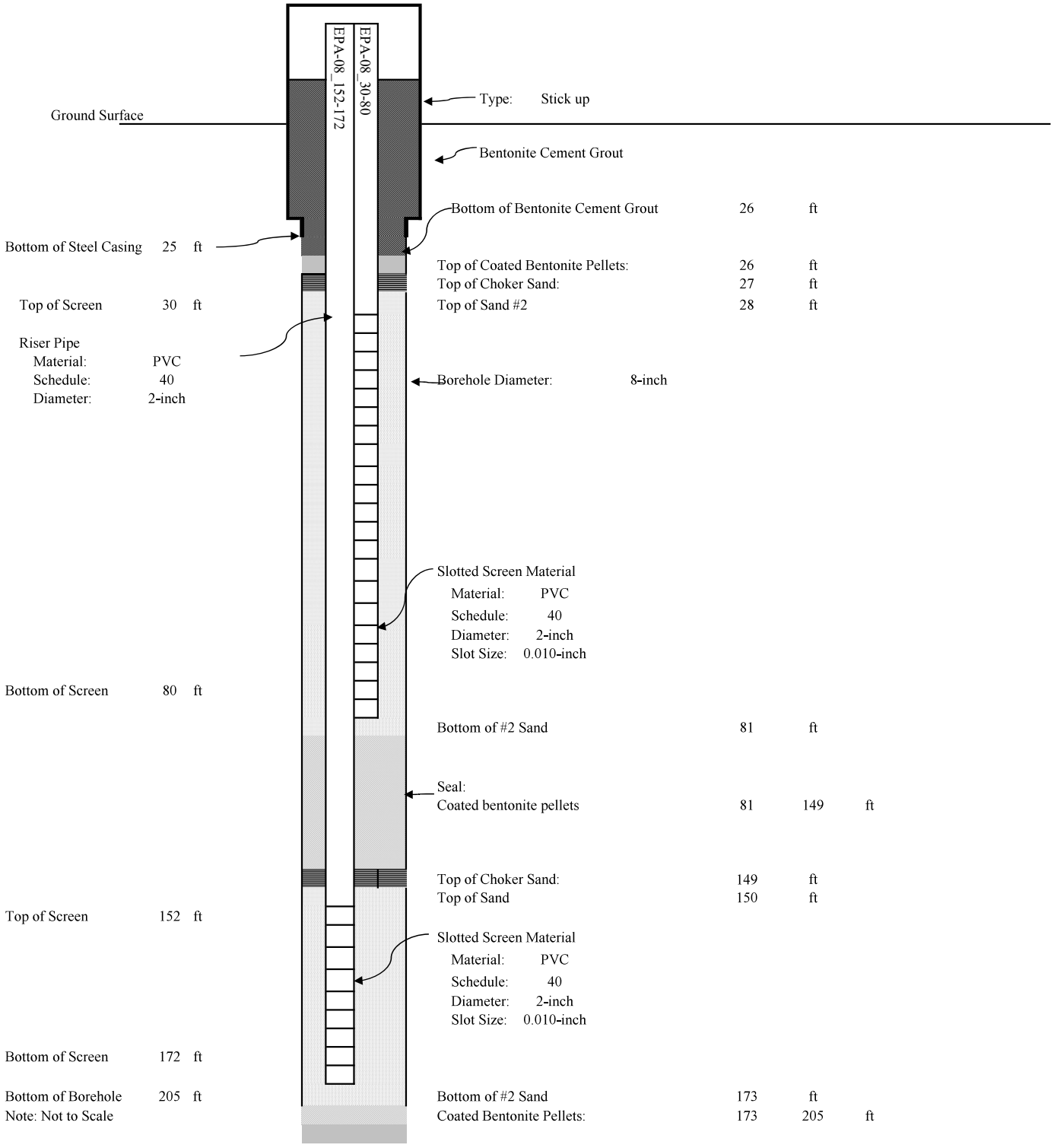


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Well Construction Diagram

Well Identification: EPA-08 Well Cluster

Client:	EPA Region 3	**Date Installed:**	5/10/2013
Project:	North Penn 5 OU2	**Date Developed:**	
Proj. No.:		**Development Method:**	
HGL Geologist:		**Water Removed During Development:**	
Drilling Company:	Rabb Drilling	**Static Water Level Depth/Elevation:**	
Driller:	R. Rabb	**Top of Casing Elevation:**	
Drilling Method:	Air Rotary	**Ground Elevation:**	



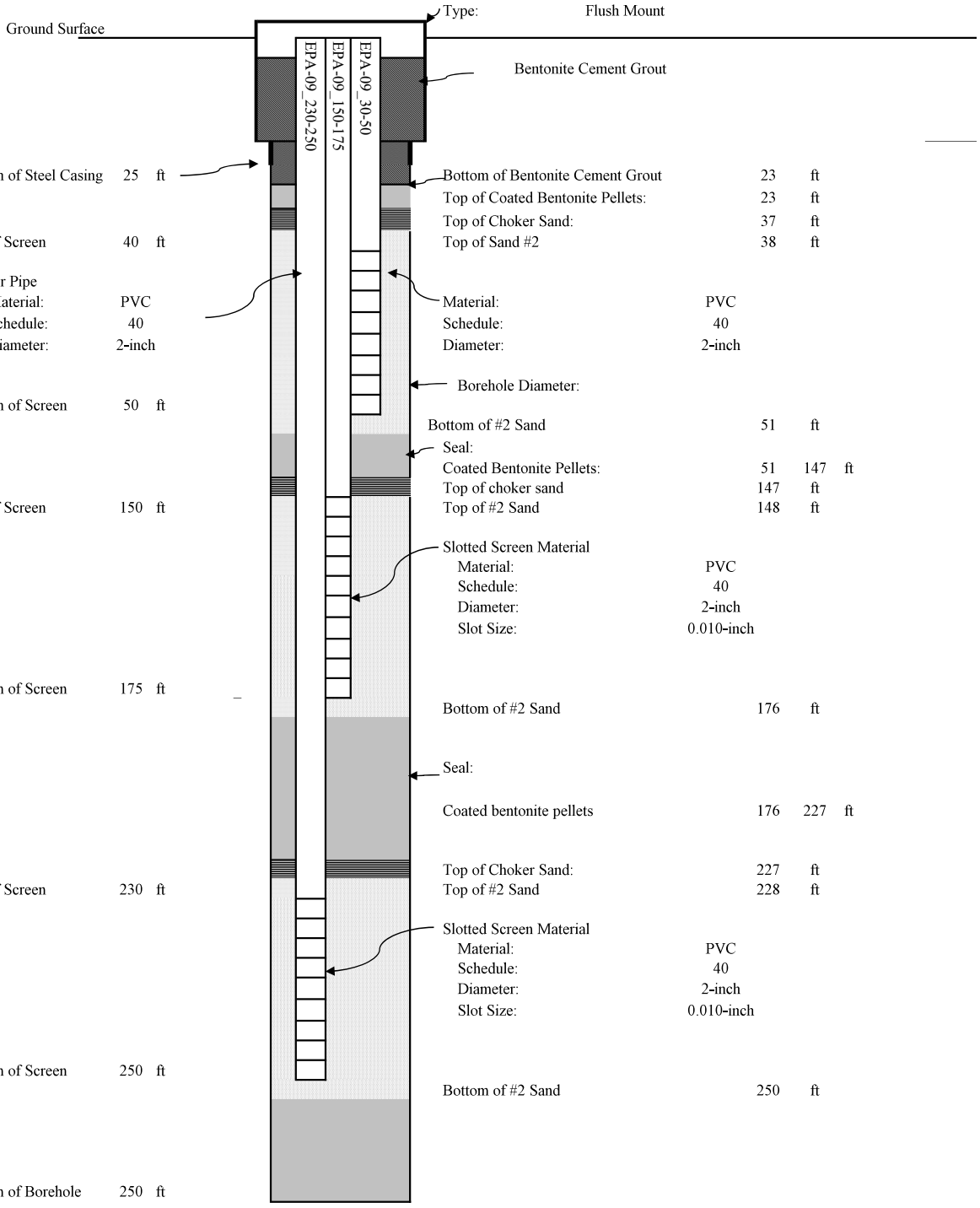
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Well Construction Diagram

Well Identification: EPA-09 Well Cluster

Client: EPA Region 3
Project: North Penn 5 OU2
Proj. No.:
HGL Geologist: D. Back
Drilling Company: Rabb Drilling
Driller: R. Rabb
Drilling Method: Air Rotary

Date Installed: 6/15/2022
Date Developed:
Development Method:
Water Removed During Development:
Static Water Level Depth/Elevation:
Top of Casing Elevation:
Ground Elevation:



ATTACHMENT 6

WELL DEVELOPMENT LOGS

WELL DEVELOPMENT RECORD

Well A-5

WELL/PIEZOMETER ID: _____

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 7/10/23

LOCATION: _____ DATE INSTALLED: 7/10

TOTAL DEPTH (FTOC): 110.35 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ~~x~~ Pumping o Describe Hurricane @ 105'

Equipment decontaminated prior to development o Yes o No

Describe: Hosing w/ DI H2O to start. Bladder

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) 110.35 ft.

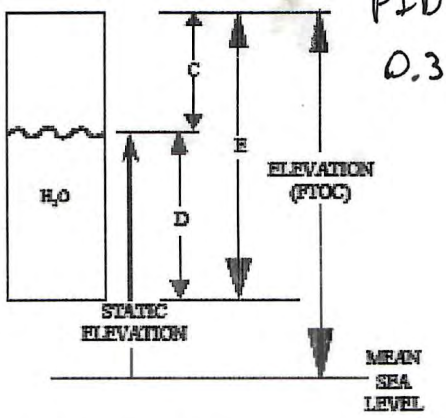
Measured Water Level Depth (C) 16.40 ft.

Length of Static Water Column (D) 110.35 (B) - 16.40 (C) = 93.95 ft.

Casing Water Volume (E) = 0.16 (A) × 93.95 (D) = 15.03 gal

Total Purge Volume = 151 (gal)

PID = 0.3 ppm



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/10	0930	17.23	20	6.48	0.750	16.20	14.8	Clear
7/10	1150	17.58	60	7.41	0.768	18.19	3.2	Clear
7/10	1300	17.65	110	7.48	0.731	17.56	5.7	Clear
7/10	1350	17.60	150	7.34	0.779	17.37	1.3	Clear
7/10	1430	17.61	175	7.58	0.794	15.95	0.6	"
7/10	1445	17.62	185	7.54	0.801	15.96	1.0	"
7/10	1500	17.63	200	7.53	0.803	15.87	1.3	"
~~7/10~~				End		Purge		

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well A-I

SHEET 1 of 2

PROJECT NAME: North Perm PROJECT NO.: F2302X DATE: 7/10

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 276.82 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing o Pumping o Describe Impeller & Bladder pump

Equipment decontaminated prior to development o Yes o No

Describe: Hunter @ 160' to start - Bladder pump @ 270 to finish

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

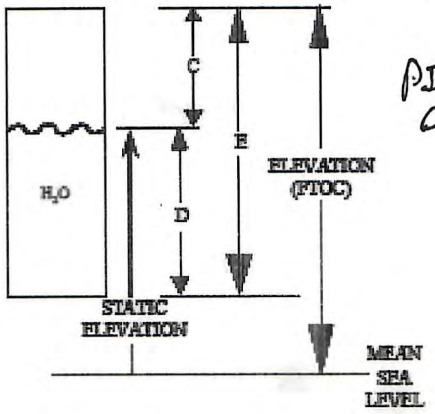
Measured Well Depth (B) 276.82 ft.

Measured Water Level Depth (C) 9.81 ft.

Length of Static Water Column (D) 276.82 (B) - 9.81 (C) = 267.01 ft.

Casing Water Volume (E) + 0.16 (A) × 267.01 (D) = 42.72 gal

Total Purge Volume = 428 (gal)



PID = 0.7 ppm

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/10	0935	10.64	10	5.90	0.678	18.01	49.4	Slight. Black tint
7/10	1025	11.78	40	6.98	0.492	15.65	3.2	Clear
7/10	1100	12.99	65	7.11	0.487	17.75	30.1	Slight " " tint
7/10	1200	13.06	105	7.51	0.502	16.21	0.3	Clear
7/10	1305	13.13	160	7.75	0.507	16.46	8.4	"
7/10	1430	13.10	240	7.73	0.491	15.49	2.6	"
7/10	1530		290	7.82	0.482	18.46	3.1	"
7/10	1630		340	7.78	0.531	17.92	37.8	Clear
7/10	1750		410	7.83	0.486	17.91	4.2	Clear

HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Well - A-I

7-11

Bladder Pump @ 260'

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/11	1109		420	7.50	0.524	23.06	136	Slight Black tint
7/11	1130		430	7.49	0.507	19.97	95.6	"
7/11	1200		440	7.42	0.501	18.03	56.3	Clear ish
7/11	1230		450	7.40	0.511	18.13	16.5	Clear
7/11	1300		460	7.40	0.505	18.24	5.2	"
7/11	1330	8.42	470	7.39	0.510	18.31	5.3	"
			End		Purge			

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: WeN-A-D

SHEET 1 of 2

PROJECT NAME: North Perm PROJECT NO.: E2302X DATE: 7/10

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 403.75 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing o Pumping o Describe Impeller & Bladder pump

Equipment decontaminated prior to development o Yes o No

Describe: Hollow @ 200' to start Bladder @ 390' to finish

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter 11 Turbidity Meter 11 Thermometer 4

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

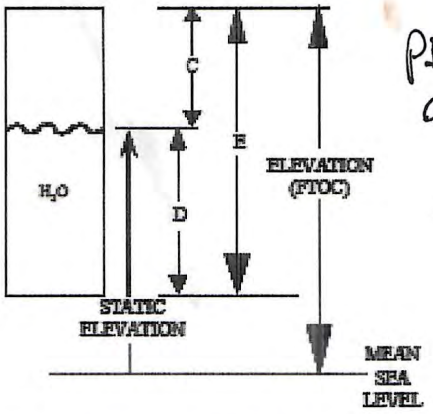
Measured Well Depth (B) 403.75 ft.

Measured Water Level Depth (C) 7.00 ft.

Length of Static Water Column (D) 403.75 (B) − 7.00 (C) = 399.75 ft.

Casing Water Volume (E) = 0.16 (A) × 399.75 (D) = 63.96 gal

Total Purge Volume = 640 (gal)



PID = 0.1 ppm

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/10	0940	6.95	30	6.34	0.487	15.75	7.1	Clear
7/10	1020	6.78	60	6.91	0.534	15.96	48.9	Slight grey tint
7/10	1105	6.83	90	7.12	0.474	16.62	9.5	Clear
7/10	1210	6.85	140	7.45	0.468	15.77	2.8	"
7/10	1310	6.77	200	7.70	0.468	16.26	1.9	"
7/10	1450	6.80	300	7.69	0.472	15.34	0.7	"
7/10	1620	~~7.39~~	390	7.73	0.467	16.18	8.3	"
7/10	1755		460	7.76	0.468	16.21	0.5	"
7/11	0915		510	5.15	0.589	17.34	10.4	Clear

P.2 of 2 Wel A-D Bladder Pump

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

@ 395'

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging.
7/11	1110	6.53	660	7.33	0.445	21.39	30.4	Clear
7/11	1140	6.68	670	7.35	0.451	18.35	5.2	"
7/11	1210	6.73	680	7.38	0.459	18.01	2.0	"
7/11	1240	6.71	690	7.40	0.460	17.94	0.3	"
7/11	1310	6.70	700	7.42	0.460	18.04	2.6	"
			End	purge				

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well B-5

SHEET 1 of 1

PROJECT NAME: North Penn PROJECT NO.: E2302X DATE: 7/12

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 40.50' CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing o Pumping o Describe Impeller pump

Equipment decontaminated prior to development o Yes o No

Describe: Impeller pump decon'd with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

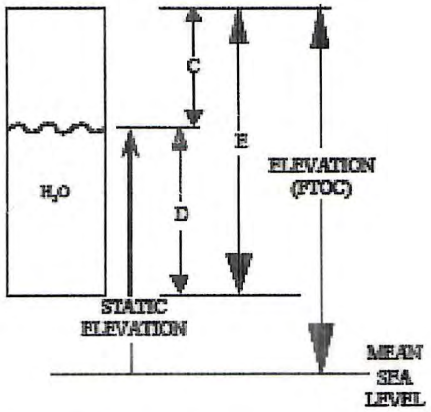
Measured Well Depth (B) 12.68' ft.

Measured Water Level Depth (C) 40.50' ft.

Length of Static Water Column (D) 40.50 (B) - 12.68 (C) = 27.82 ft.

Casing Water Volume (E) + 27.82 (A) × 0.16 (D) = 4.45 gal

Total Purge Volume = ~~@~~ 45 (gal) 60



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/12	1300	14.92	10	7.47	0.803	19.64	58.9	White, Hot - Beg
7/12	1330	23.11	40	7.57	0.829	17.22	68.8	"
7/12	~~1400~~ 1400	23.46	70	7.76	0.825	16.21	11.6	Clear
7/12	1410	24.32	80	7.71	0.857	15.74	8.3	Clear
7/12	1420	25.16	90	7.64	0.853	15.50	5.5	Clear
7/12	1430	25.23	~~Terminated~~	7.61	0.858	15.47	7.6	Clear
				End		Purge		

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well B-I

SHEET 1 of 2

PROJECT NAME: North Perm PROJECT NO.: E2302X DATE: 7/12

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 314.20' CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒ Pumping o Describe Impeller ~~Bladder~~ @ 160' to start Bladder @ to finish

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller w/ Bladder + impeller w/ DI + alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

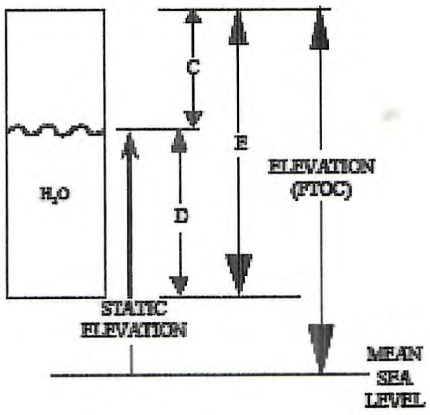
Measured Well Depth (B): 314.20' ft.

Measured Water Level Depth (C) 12.71 ft.

Length of Static Water Column (D) 314.20 (B) − 12.71 (C) = 301.49 ft.

Casing Water Volume (E) = 0.16 (A) × 301.44 (D) = 48.24 gal

Total Purge Volume = 483 (gal) 500



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/12	1320	14.13	20	7.61	0.502	17.84	10.6	Clear
7/12	1350	16.47	70	7.72	0.481	16.97	5.7	"
7/12	1450	17.23	160	7.86	0.499	18.21	3.2	"
7/12	1550	17.96	250	7.86	0.495	16.97	5.6	"
7/12	1650	18.50	340	7.83	0.503	17.63	4.9	"
7/12	1750	18.82	430	7.57	0.492	17.92	3.6	"
7/12	1850	19.12	500	7.55	0.504	17.57	4.6	N
7/13	1010							

Well B-J Blank

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/13	1010	12.83	~~5~~ 510	7.32	0.517	28.32	44.1	Light tint
7/13	1130	12.14	530	7.30	0.529	27.95	45.2	"
7/13	1230	12.10	550	7.33	0.500	23.90	31.1	Clear
7/13	1330	12.10	570	7.37	0.495	21.16	28.9	"
7/13	1400	@ 12.09	580	7.36	0.501	21.32	28.9	"
				End Purge				

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well B-D

SHEET 1 of 2

PROJECT NAME: North Perm PROJECT NO.: E2302X DATE: 7/12

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 401.60' CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing o Pumping o Describe Impeller @ 160' to Start Bladder @ . to finish

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller + Bladder w/ DI + clamps

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

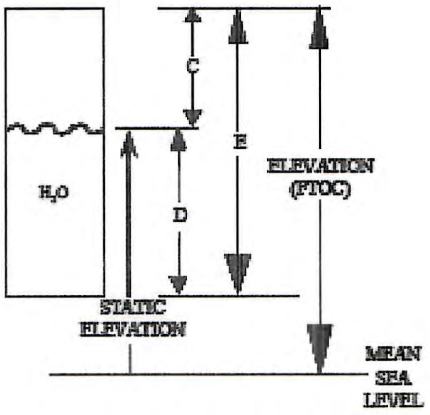
Measured Well Depth (B) 401.60' ft.

Measured Water Level Depth (C) 14.45 ft.

Length of Static Water Column (D) 401.60 (B) - 14.45 (C) = 387.15 ft.

Casing Water Volume (E) + 0.16 (A) × 387.15 (D) = 61.9 gal

Total Purge Volume = 620 (gal) 650



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/12	1340	54.83	50	7.72	0.424	16.24	15.6	Clear
7/12	1440	53.28	150	7.79	0.419	18.08	7.1	"
7/12	1540	49.16	250	7.81	0.416	17.57	0.9	"
7/12	1640	46.57	350	7.82	0.421	16.73	0.3	"
7/12	1740	45.82	450	7.46	0.430	16.72	1.2	"
7/12	1840	45.53	550	7.50	0.426	16.22	0.9	"
7/12	1900	45.75	580	7.53	0.427	16.00	0.4	"
7/13	1000							

MW B-D Bladder

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/13	1000	9.06	620	6.72	0.456	22.72	502	Red silt
7/13	~~1400~~ 1220	9.31	640	7.05	0.468	23.56	683	Red Silt
7/13	1220	9.39	660	7.18	0.433	23.45	44.8	Slight red tint
7/13	1320	9.37	680	7.35	0.426	21.13	17.8	Clear
7/13	1400	9.40	690	7.32	0.428	21.17	20.3	Clear
				end	Purge			

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well C-5

SHEET 1 of ___

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 7/11

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): ~~65.20'~~ 65.20' CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ◁ Pumping o Describe Impeller @ 60'

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller + ~~Bailer~~ with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

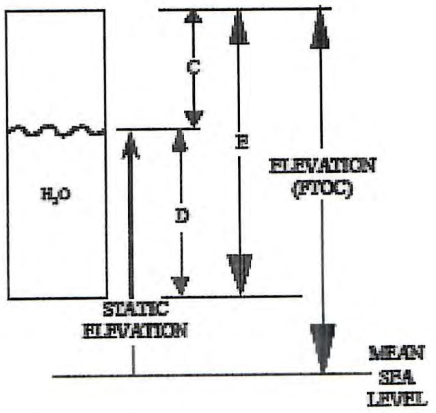
Measured Well Depth (B) 65.20 ft.

Measured Water Level Depth (C) 9.63 ft.

Length of Static Water Column (D) 65.20 (B) - 9.63 (C) = 55.57 ft.

Casing Water Volume (E) = 0.16 (A) × 55.57 (D) = 8.89 gal

Total Purge Volume = 90 (gal) 110



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/11	1450	11.17	20	8.38	0.439	16.48	164	White dirt
7/11	1550	11.22	70	8.20	0.446	16.30	27.3	Clear
7/11	1650	11.13	110	8.06	0.451	15.99	4.8	Clear
7/11	1710	11.18	125	7.90	0.454	15.85	14.2	Clear
7/11	1720	11.20	135	7.12	0.453	15.81	1.7	Clear
				end	purge			

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well C-I

SHEET 1 of ___

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 7/11

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 103.04 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing o Pumping o Describe Impeller @ 85

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

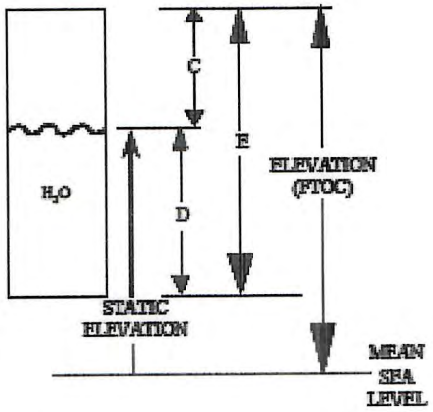
Measured Well Depth (B) 103.04 ft.

Measured Water Level Depth (C) 8.32 ft.

Length of Static Water Column (D) 103.04 (B) - 8.32 (C) = 94.72 ft.

Casing Water Volume (E) + 0.16 (A) × 94.72 (D) = 15.15 gal

Total Purge Volume = 152 (gal) 160



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/11	1440	11.11	50	7.54	0.510	15.90	214	White tint
7/11	1540	11.13	110	7.93	0.514	16.22	400	"
7/11	1640	11.13	160	7.97	0.514	16.12	429	"
7/11	1740	11.11	210	8.09	0.500	16.25	192	"
7/11	1800	11.07	230	7.98	0.508	16.87	59.3	Clear
7/11	1830	11.10	260	8.01	0.505	16.93	33.7	"
7/11	1840	11.08	270	8.00	0.510	16.86	22.2	"
			EW	purge				

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well C-D

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 7/11

LOCATION: _____ DATE INSTALLED: 7/11

TOTAL DEPTH (FTOC): 180.50 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ✗ Pumping o Describe Impeller @ 168'165

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller w/ DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

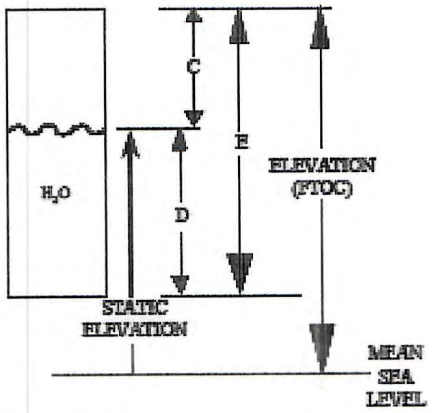
Measured Well Depth (B) 180.50 ft.

Measured Water Level Depth (C) 7.17 ft.

Length of Static Water Column (D) 180.50 (B) − 7.17 (C) = 163.33 ft.

Casing Water Volume (E) = 0.16 (A) × 163.33 (D) = 26.13 gal

Total Purge Volume = 262 (gal) 240



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/11	1430	~~42.08~~	50	7.82	0.361	21.15	1000+	White (Bent)
7/11	1530	42.13	110	8.24	0.383	18.41	1000+	"
7/11	1630	42.06	170	8.40	0.388	17.09	1000+	"
7/11	1730	42.08	230	8.17	0.374	17.58	127	Clear
7/11	1750	42.12	250	8.24	0.428	15.81	78.0	Clear
7/11	1810	42.09	270	8.01	0.413	15.74	38.0	"
7/11	1830	42.16	290	8.17	0.402	15.48	22.6	"
7/11	1850	42.18	310	8.14	0.400	15.39	15.0	"

End purge

Well D-5

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well D-5

SHEET 1 of 1

PROJECT NAME: North Perm PROJECT NO.: F2302X DATE: 7/12

LOCATION: _____ DATE INSTALLED: 7/12

TOTAL DEPTH (FTOC): 69.92 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒ Pumping o Describe Impeller @ 65'

Equipment decontaminated prior to development o Yes o No

Describe: Deep impeller with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

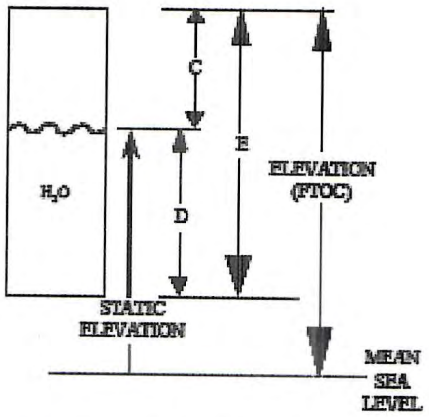
Measured Well Depth (B) 69.92 ft.

Measured Water Level Depth (C) 10.41 ft.

Length of Static Water Column (D) 69.92 (B) - 10.41 (C) = 59.51 ft.

Casing Water Volume (E) = 0.16 (A) × 59.51 (D) = 9.52 gal

Total Purge Volume = 96 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/12	0940	11.34	20	6.61	0.765	15.09	10.3	Clear
7/12	1020	11.76	70	6.70	0.810	14.80	7.3	"
7/12	1050	11.82	110	7.26	0.772	15.29	1.5	"
7/12	Noon	11.93	120	7.29	0.774	15.38	0.8	"
7/12	1110	11.98	130	7.31	0.775	15.43	0.1	"

Well D-D

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well D-D

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: DATE: 7/12

LOCATION: DATE INSTALLED:

TOTAL DEPTH (FTOC): 195.34 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL:

METHODS OF DEVELOPMENT

o Swabbing o Bailing x Pumping o Describe Impeller @ 180'

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

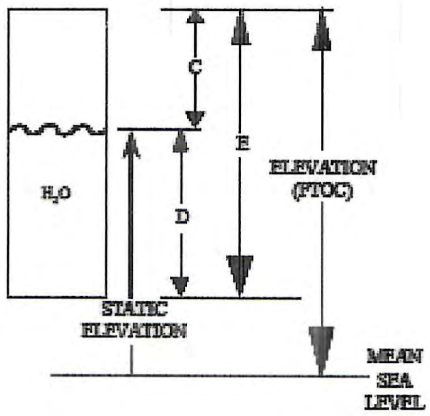
Measured Well Depth (B) 195.34 ft.

Measured Water Level Depth (C) 8.31 ft.

Length of Static Water Column (D) 195.34 (B) - 8.31 (C) = 187.03 ft.

Casing Water Volume (E) = 0.16 (A) × 187.03 (D) = 29.92 gal

Total Purge Volume = 300 (gal) 310



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/12	0900	8.76	10	5.78	0.373	18.27	5262	White tint - Bent
7/12	0930	9.04	50	6.17	0.314	16.38	105.7	"
7/12	1000	9.31	100	6.55	0.300	15.73	1.3	Clear
7/12	1030	9.63	150	6.70	0.303	15.25	2.2	"
7/12	1100	9.73	200	7.82	0.331	16.41	1.8	"
7/12	1130	9.82	250	7.97	0.306	15.09	2.4	"
7/12	1200	9.86	310	7.95	0.299	15.32	1.1	"
7/12	1210	9.89	325	7.97	0.303	15.21	0.7	"

End Purge

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well-E 5

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: E2302X DATE:

LOCATION: DATE INSTALLED: ~~7/5~~ 7/7/23

TOTAL DEPTH (FTOC): 50.42 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL:

METHODS OF DEVELOPMENT

o Swabbing o Bailing x Pumping o Describe Impeller @ 45'

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

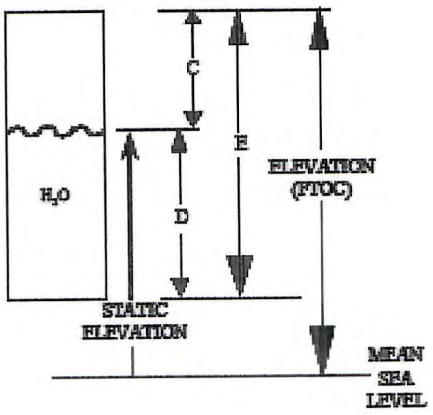
Measured Well Depth (B) 50.42 ft.

Measured Water Level Depth (C) 10.61 ft.

Length of Static Water Column (D) 50.42 (B) - 10.61 (C) = 39.81 ft.

Casing Water Volume (E) + 0.16 (A) × 39.81 (D) = 6.37 gal

Total Purge Volume = 64 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/7	1540	19.83	50	7.04	1.00	18.14	12.8	Clear
7/7	1550	19.88	60	7.09	1.03	17.05	3.2	Clear
7/7	1600	19.90	70	7.04	1.03	17.81	1.2	Clear
7/7	1610	19.93	80	7.05	1.02	16.30	0.7	"
7/7	1620	19.91	90	7.00	1.03	17.14	0.9	"
7/7	1630	19.92	100	7.00	1.03	17.26	1.3	"

EW Purge

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well R-5

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 7/7

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 57.24' CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒ Pumping o Describe Impeller @ 50.0'

Equipment decontaminated prior to development o Yes o No

Describe: Typhoon @ 50.0' - Decon with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

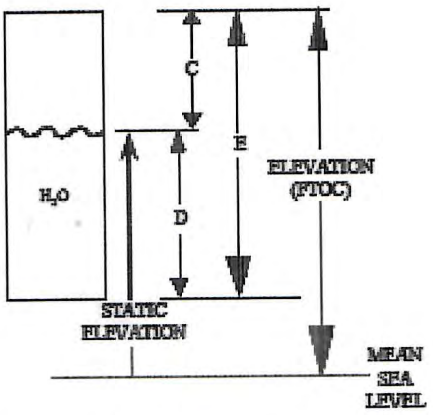
Measured Well Depth (B) 57.24 ft.

Measured Water Level Depth (C) 12.32 ft.

Length of Static Water Column (D) 57.24 (B) - 12.32 (C) = 44.92 ft.

Casing Water Volume (E) = 0.16 (A) × 44.92 (D) = 7.19 gal

Total Purge Volume = 72 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/7	1105	16.12	50	8.25	1.65	18.15	20.5	Clear
7/7	1210	16.07	100	7.98	1.81	17.41	10.0	Clear
7/7	1220	15.93	100	7.79	1.83	17.03	13.1	Clear
7/7	1230	15.91	120	7.73	1.83	16.89	13.5	Clear
			End	Purge				

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well F Deep

SHEET 1 of 1

PROJECT NAME: North Penn GW2 PROJECT NO.: E2302X DATE: 6.26.23

LOCATION: 92 County line Road (Colmar PA) DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 217.18 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: Top of Riser (ToR)

METHODS OF DEVELOPMENT

o Swabbing o Bailing X Pumping o Describe Geotech Bladder pump w/ disp in take

Equipment decontaminated prior to development X Yes o No

Describe: Alconox + Distilled Water - DI rinse

EQUIPMENT NUMBERS:

pH Meter ~~Horiba~~ Horiba U-5000 EC Meter Horiba U-5000 Turbidity Meter Geotech Portable Turbidity meter SN= 11232020 Thermometer Horiba U-5000

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

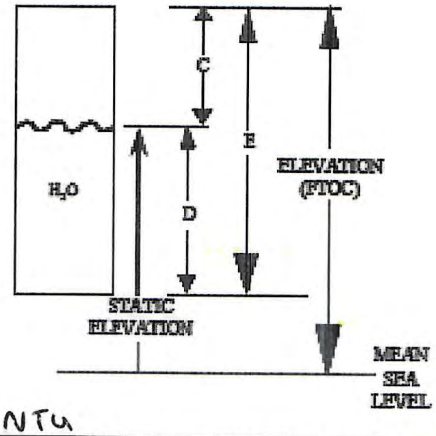
Measured Well Depth (B) 217.18 ft.

Measured Water Level Depth (C) 9.00 ft.

Length of Static Water Column (D) 217.18 (B) - 9.00 (C) = 208.18 ft.

Casing Water Volume (E) = 0.16 (A) x 208.18 (D) = 33.31 gal

Total Purge Volume = 333.10 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC (ms/cm)	Temperature F or C	Turbidity/ Sand (~~ppm~~) (NTU)	Type, Size, and Amount of Sediments Discharged During Purging
6.26.23	1330	9.00	0	11.95	1.09	22.58	97.6	White tint
6.26.23	1430	9.03	15	11.78	0.742	19.93	87.7	White tint.
7/7	1140	58.14	215	8.51	0.489	19.05	14.6	Clear
7/7	1232	60.62	260	8.56	0.637	16.72	3.8	Clear
7/7	1340	61.24	330	8.55	0.472	17.27	2.1	Clear
7/7	1400	61.32	350	8.54	0.479	17.30	2.4	Clear
				EW Purge				

0.5 GPM

Typhoon @ 210'

Stop Pumping @ 1630 - 75 gallons purged

Well G-5 DTW start = 8.76 DTB = ~~330~~ 311.60 Volume = 486 gallon Purge

WELL DEVELOPMENT RECORD

Impeller @ 150'

Bladder @ 300'

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/14	0900	~~8~~8.93	50	5.94	0.402	24.21	12.6	Clear
	1000	9.44	150	6.10	0.372	18.92	2.9	"
	1100	9.78	250	6.28	0.372	17.67	0.7	"
	1200	10.45	350	6.32	0.380	16.58	0.7	"
	1300	11.03	450	6.44	0.376	17.46	1.7	"
	1400	11.98	550	7.08	0.393	20.88	61.8	Slight white turb
	1530	11.93	570	7.09	0.371	20.29	35.2	Clear
	1630	11.90	590	7.11	0.377	20.09	22.5	"
	1730	11.87	610	7.11	0.372	20.11	25.6	"
				End	purge			

WELL DEVELOPMENT RECORD 1

WELL/PIEZOMETER ID: Well - G - I

SHEET 1 of 2

PROJECT NAME: North Penn PROJECT NO.: E2302x DATE: 7/13

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 390.30 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: Impeller + Bladder pump

METHODS OF DEVELOPMENT

o Swabbing o Bailing ✗Pumping o Describe Impeller @ 150' & Bladder @ 380'

Equipment decontaminated prior to development o Yes o No

Describe: Decon Impeller + Bladder w/ DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

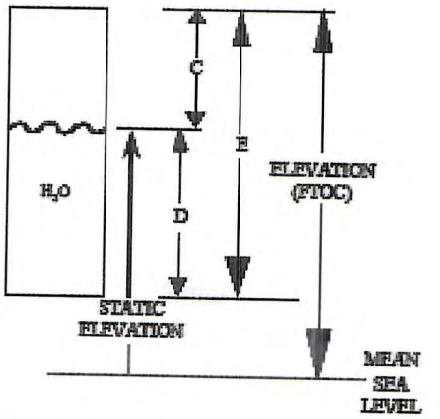
Measured Well Depth (B) 390.30 ft.

Measured Water Level Depth (C) 9.68 ft.

Length of Static Water Column (D) 390.30 (B) - 9.68 (C) = 380.62 ft.

Casing Water Volume (E) = 0.16 (A) x 380.62 (D) = 60.89 gal

Total Purge Volume = 609 (gal) 630



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/13	1000	47.21	50	5.37	0.446	20.09	4.8	Clear
7/13	1100	63.49	100	5.75	0.397	17.34	1.2	"
7/13	1200	75.23	170	5.96	0.388	16.46	0.7	"
7/13	1500	80.18	380	7.39	0.359	22.10	2.6	"
7/13	1600	81.93	450	7.20	0.369	18.46	1.9	"
7/13	1700	82.37	520	9.11	0.374	18.04	5.6	"
7/13	1900	82.76	590					
7/13	1840		640					

Well G-I Bladder @ 380' P. 2 of 2

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/14	1110	9.75	660	6.52	0.384	20.75	8.0	Clear
	1210	10.56	680	6.50	0.380	20.83	16.8	"
	1310	10.66	700	6.55	0.382	20.79	14.7	"
	1410	10.68	720	6.51	0.380	20.82	12.1	"
		end	purge					

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well G-D

SHEET 1 of 2

PROJECT NAME: North Penn PROJECT NO.: E2302X DATE: 7/13

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 500'+ CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: Impeller @ 150' Bladder @ 490'

METHODS OF DEVELOPMENT

o Swabbing o Bailing ✗Pumping o Describe Impeller @ 150 & Bladder @ 490'

Equipment decontaminated prior to development o Yes o No

Describe: Decon impeller + Bladder with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

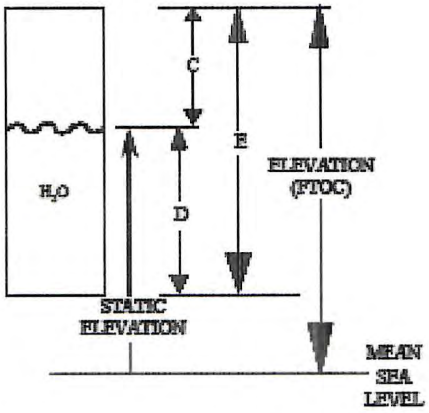
Measured Well Depth (B) 500'+ ft.

Measured Water Level Depth (C) 10.75 ft.

Length of Static Water Column (D) 500 (B) - 10.75 (C) = 484.25 ft.

Casing Water Volume (E) + 0.16 (A) × 484.25 (D) = 78.28 gal

Total Purge Volume = 783 (gal) 810



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/13	1105	11.81	50	6.05	0.471	18.16	13.3	Clear
7/13	1205	13.06	120	6.15	0.484	18.33	14.9	Clear
7/13	1510	13.34	360	7.14	0.373	17.63	3.3	"
7/13	1610	13.35	446	6.92	0.469	21.73	4.7	"
7/13	1710	13.33	520	6.97	0.466	22.59	1.5	"
7/13	1810	13.32	600	6.93	0.477	22.97	7.5	"
7/13	1900	13.30	680					

Well G-D Bladder ©

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/14	1105	10.84	800	7.03	0.593	26.26	9.8	Clear
7/14	1205	12.94	820	6.83	0.580	22.71	13.5	"
7/14	1305	16.72	840	6.95	0.607	23.05	30.4	"
7/14	1405	17.16	850	6.99	0.596	21.29	10.4	"
7/14	1505	18.52	880	6.99	0.580	20.95	13.7	"
7/14	1605	18.82	900	6.99	0.578	20.89	6.6	"
			end	purge				

WELL DEVELOPMENT RECORD

Well # B-55

WELL/PIEZOMETER ID: RW5R_30-50

SHEET 1 of ___

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 6/30

LOCATION: 92 County Rt 72 DATE INSTALLED: 6/30

TOTAL DEPTH (FTOC): ___ CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: TOC

METHODS OF DEVELOPMENT

o Swabbing o Bailing x Pumping o Describe Hurricane pump @ 47'

Equipment decontaminated prior to development o Yes o No

Describe: Clean with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

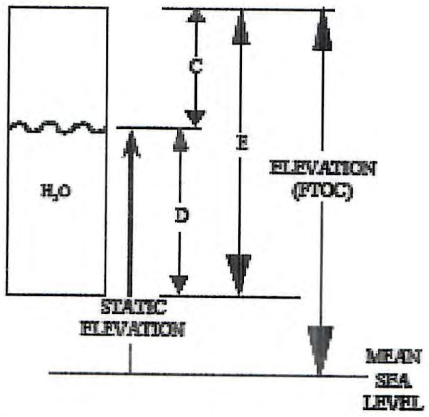
Measured Well Depth (B) 50.18 ft.

Measured Water Level Depth (C) 16.40 ft.

Length of Static Water Column (D) 50.18 (B) - 16.40 (C) = 33.78 ft.

Casing Water Volume (E) = 0.16 (A) × 33.78 (D) = 5.40 gal

Total Purge Volume = 55 gallons (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/30	1000	16.45	10	6.59	0.301	16.46	150	Brown/tan tint
6/30	1025	16.72	30	6.42	0.296	16.51	302	Brown tint
6/30	1045	16.74	45	6.41	0.292	16.38	16.1	Clear
6/30	1055	16.81	55	6.37	0.291	16.33	2.9	Clear
6/30	1105		65	6.38	0.294	16.37	4.4	Clear
				End		Purge		

WELL DEVELOPMENT RECORD

60_80

WELL/PIEZOMETER ID: Well-HB-5

SHEET ___ of ___

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 6/30

LOCATION: _____ DATE INSTALLED: 6/30

TOTAL DEPTH (FTOC): 80.34 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: TOC

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒Pumping o Describe Hurricane @ 75'

Equipment decontaminated prior to development ☒Yes o No

Describe: Dean DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

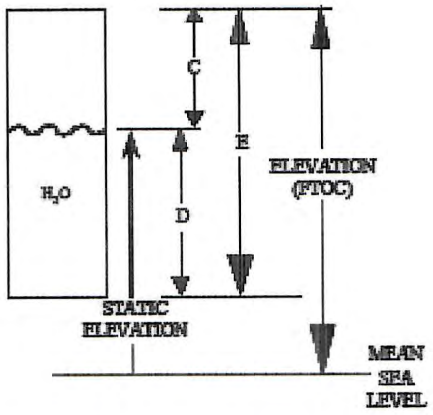
Measured Well Depth (B) 15.00 ft.

Measured Water Level Depth (C) 80.34 ft.

Length of Static Water Column (D) 80.34 (B) − 15.00 (C) = 65.34 ft.

Casing Water Volume (E) = 0.16 (A) × 65.34 (D) = 10.45 gal

Total Purge Volume = 105 sdj (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/30	1030	15.24	10	6.52	0.260	15.40	40.3	tan silt + wt
6/30	1100	16.53	60	6.31	0.318	17.93	15.7	Clay
6/30	1130	16.56	110	6.28	0.343	18.06	8.2	"
6/30	1145	16.54	120	6.25	0.346	18.11	6.3	"
				End		Purge		∅

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

RW5R-60-80

WELL/PIEZOMETER ID: Well-H-5

SHEET 1 of 1

PROJECT NAME: North Penn PROJECT NO.: E2302X DATE: 6/28

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 80.30 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ⊗Pumping o Describe Hurricane

Equipment decontaminated prior to development o Yes o No

Describe: Decon with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

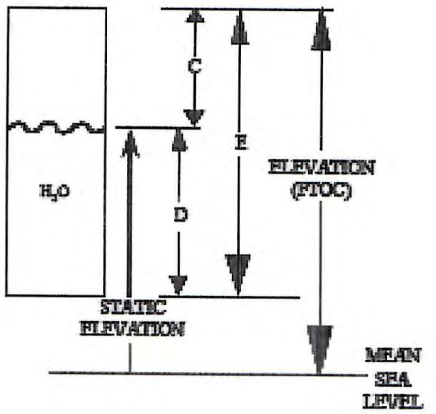
Measured Well Depth (B) 80.30 ft.

Measured Water Level Depth (C) 15.06 ft.

Length of Static Water Column (D) 80.30 (B) - 15.06 (C) = 65.24 ft.

Casing Water Volume (E) + 0.16 (A) × 65.24 (D) = 10.43 gal

Total Purge Volume = 105 (gal) 130



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/28	1515	15.18	10	9.74	0.932	17.87	1000+	White + Cloudy
6/28	1630	~~15.37~~ 13.52	75	8.26	0.595	18.48	72.5	Clear
6/28	1700	15.91	100					
6/28	1730	16.83	115	9.36	0.567	17.79	20.7	Clear
6/28	1745	16.87	130	9.39	0.569	17.82	12.0	Clear
				End	Purge			

WELL DEVELOPMENT RECORD

RW5R_175-190

WELL/PIEZOMETER ID: Well HES

SHEET 1 of 1

PROJECT NAME: North Penn PROJECT NO.: E2302X DATE: 6/28

LOCATION: _____ DATE INSTALLED: 6/28/23

TOTAL DEPTH (FTOC): 190.60 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing &Pumping o Describe Hurricane pump Set @ 182'

Equipment decontaminated prior to development o Yes o No

Describe: Decon with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-50 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

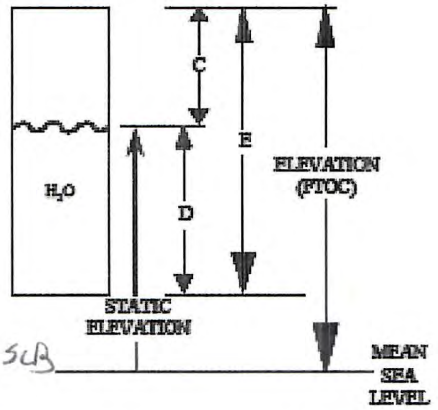
Measured Well Depth (B) 190.60 ft.

Measured Water Level Depth (C) 14.56 ft.

Length of Static Water Column (D) 190.60 (B) - 14.56 (C) = 176.04 ft.

Casing Water Volume (E) + 0.16 (A) × 176.04 (D) = 28.16 gal

Total Purge Volume = 282 (gal) 300 500 sub



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/28	1500	14.69	10	7.11	0.762	17.51	1000+	White + cloudy
6/28	1640	13.44	100	8.00	0.746	16.19	29.9	Clear
6/28	1735	15.23	175	8.25	0.749	15.53	8.7	Clear
6/29	1000	13.83	200	5.56	0.824	17.37	5.7	Clear
6/29	1030	14.16	220	6.15	0.768	17.26	5.9	Clear
6/29	1100	14.53	240	6.46	0.726	17.55	33.2	Clear
6/29	1130	14.65	260	6.39	0.694	17.48	5.2	Clear
6/29	1200	14.78	280	6.36	0.694	17.32	3.8	Clear
6/29	1230	14.81	310	6.40	0.695	17.41	2.6	Clear

end purge

WELL DEVELOPMENT RECORD

RWSR-320-345

WELL/PIEZOMETER ID: Well H D

SHEET 1 of 2

PROJECT NAME: North Penn OU 2 PROJECT NO.: E2302X DATE: 6/28

LOCATION: _____ DATE INSTALLED: 6/28/23

TOTAL DEPTH (FTOC): 345.35 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒ Pumping o Describe Bladder w/ Drop Intake

Equipment decontaminated prior to development o Yes o No

Describe: Decon with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

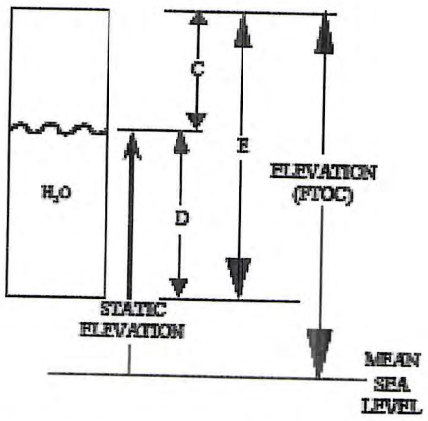
Measured Well Depth (B) 13.14 ft.

Measured Water Level Depth (C) 345.35 ft.

Length of Static Water Column (D) 345.35 (B) − 13.14 (C) = 332.21 ft.

Casing Water Volume (E) + 0.16 (A) × 332.21 (D) = 53.15 gal

Total Purge Volume = 532 (gal) 560



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/28	1200	13.25	10	6.49	1.482	21.63	215.6	White Bent SNT
6/28	1435	13.36	25	6.43	0.750	19.22	193	White - Bent SNT
6/29	1650	13.37	55	7.48	0.789	18.71	10.5	Clear
6/28	1745	13.72	365	7.89	0.805	16.48	24.3	Clear
6/29	1420	14.13	150	6.42	0.701	20.49	406	White cloudy
6/29	1600	14.23	275	7.05	0.744	21.02	14.8	Clear
6/29	1720	13.91	365	7.03	0.726	17.11	2.4	Clear
6/30	930	15.39	385	6.30	0.401	18.39	1.4	Clear

Hurricane @ 200'

Well - H D

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Hurricane @ 200' switch to drop pump @ 330'

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/30	1050	13.48	450	6.24	0.391	15.52	1.7	Clear
6/30	1200	14.36	550	7.34	0.400	19.09	20.0	Clear
6/30	1300	14.47	560	7.36	0.396	18.36	11.7	Clear
6/30	1400	14.51	570	7.34	0.393	18.25	6.8	Clear
6/30	1500	14.57	580	7.32	0.389	18.17	5.1	Clear
			end purge					
			end purge					

WELL DEVELOPMENT RECORD

Well # DD

WELL/PIEZOMETER ID: RW5R-470-500

SHEET 1 of 2

PROJECT NAME: North Pen OU 2 PROJECT NO.: E2302X DATE: 6/27/23

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 500.84 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ø Pumping o Describe Bladder w/ drop tube

Equipment decontaminated prior to development o Yes o No

Describe: Decon with DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

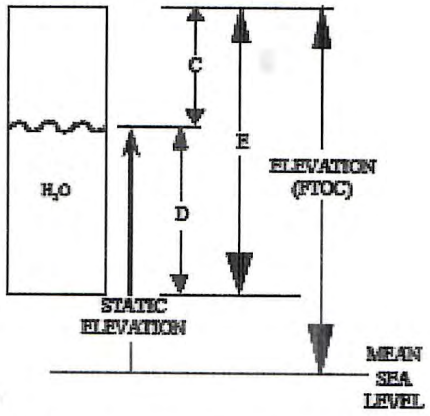
Measured Well Depth (B) 500.84 ft.

Measured Water Level Depth (C) 12.92 ft.

Length of Static Water Column (D) 500.84 (B) - 12.92 (C) = 487.92 ft.

Casing Water Volume (E) + 0.16 (A) × 487.92 (D) = 78.06 gal

Total Purge Volume = 781 (gal) 810



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/27	1445	13.05	0	8.08	0.382	19.73	52.2	Clear
6/28	1030	13.24	~~30~~	6.56	0.441	20.16	39.2	Clear
6/28	1430	13.31	60	6.27	0.460	22.19	15.8	Clear
6/28	1645	12.90	75	7.88	0.395	17.09	0.2	Clear
6/28	1755	13.17	90	8.01	0.413	15.82	41.3	Slight tan tinge
6/29	1110	16.73	100	6.65	0.410	16.14	0.3	Clear
6/29	1210	17.50	200	6.59	0.393	15.34	0.5	Clear
6/29	1410	16.92	375	7.23	0.378	21.20	1.1	Clear
	1610	17.18	525	7.56	0.389	21.60	16.1	Clear
	1715	17.53	650	7.27	0.400	19.54	0.5	Clear
6/30	920		670					

Switch ← to hurricane @ 150'

Wel H-DD

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Hurricane @ 150'

Switch over to drop tube @ 485'

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/30	920	16.40	670	5.51	0.215	17.55	3.4	Clear
6/30	1120	17.56	770	6.55	0.207	15.05	1.9	Clear
6/30	1220	17.63	820	7.16	0.775	21.55	24.9	Clear
6/30	1310	17.81	830	7.11	0.755	18.45	6.9	Clear
6/30	1410	17.85	840	7.16	0.756	18.48	1.5	Clear
6/30	1510	17.88	850	7.16	0.762	18.86	0.3	Clear
				end	purge			
				end	purge			

MC

~~EPA 1~~ ~~30-80~~

~~EPA~~ RI40_30-75

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well E shallow

SHEET 1 of 1

PROJECT NAME: North Penn 042 PROJECT NO.: E2302X DATE: 6/26/23

LOCATION: 92 County Line Rd. Colmar PA DATE INSTALLED:

TOTAL DEPTH (FTOC): 75.31 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: TOC

METHODS OF DEVELOPMENT

o Swabbing o Bailing X Pumping o Describe Impeller - typhoon

Equipment decontaminated prior to development o Yes o No

Describe: Pump decon'd w/ alconox + water & rinse

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

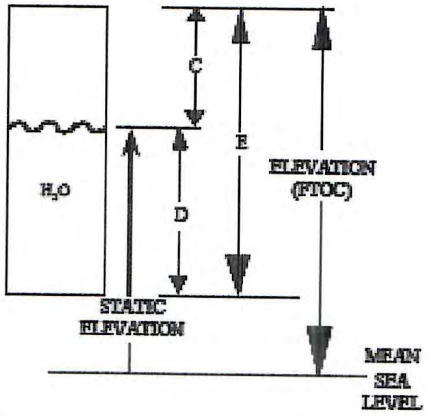
Measured Well Depth (B) 75.31 ft.

Measured Water Level Depth (C) 10.82 ft.

Length of Static Water Column (D) 75.31 (B) - 10.82 (C) = 64.49 ft.

Casing Water Volume (E) = 64.49 (A) × 0.16 (D) = 10.31 gal

Total Purge Volume = ~~103~~ 104 (gal) 125 gallons purged



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/26	1400	21.71	75	10.26	0.510	15.36	14.6	Clear
6/26	~~1600~~ 1600	21.62	115	8.97	0.492	16.60	5.9	"
6/26	1630	21.97	125	8.87	0.486	16.62	5.5	"
6/26	1645	21.98	130	8.86	0.484	16.64	5.1	"
					end purge			

WELL DEVELOPMENT RECORD

Well I Deep

WELL/PIEZOMETER ID: R140-183-203

SHEET 1 of 1

PROJECT NAME: North Penn OU2 PROJECT NO.: F2302X DATE: 6/26/23

LOCATION: 92 County Line Rd. Colmar PA DATE INSTALLED:

TOTAL DEPTH (FTOC): 203.70 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: TOC

METHODS OF DEVELOPMENT

o Swabbing o Bailing ⊠Pumping o Describe Hurricane Impeller

Equipment decontaminated prior to development ⊠Yes o No

Describe: Alconox + DI Water

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

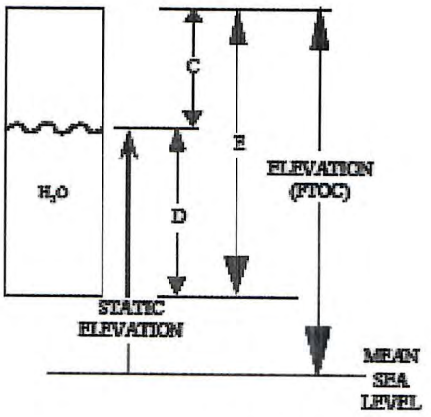
Measured Well Depth (B) 203.70 ft.

Measured Water Level Depth (C) 17.84 ft.

Length of Static Water Column (D) 203.70 (B) − 17.84 (C) = 185.86 ft.

Casing Water Volume (E) = 0.16 (A) × 185.86 (D) = 29.73 gal

Total Purge Volume = 298 (gal) 310 gallons



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/26	1330	29.24	10	10.74	0.532	17.67	7.2	Clear
6/26	1430	28.98	60	9.53	0.555	18.61	5.6	"
6/26	1630	29.15	125	8.27	0.488	15.77	4.7	
6/26	1730	22.23	175	8.09	0.454	18.96	13.01	
6/26	1800	23.18	200	7.19	0.521	17.77	5.3	
6/27	0930	24.87	225	5.68	0.551	17.24	4.9	
6/27	1030	24.91	275	5.62	0.557	17.26	3.1	
6/27	1115	24.95	310	5.65	0.554	17.21	4.4	

end Purge

Well J Shallow

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: FPA09_30-80

SHEET 1 of ___

PROJECT NAME: NPS PROJECT NO.: E23027X DATE: ~~6/22~~ 6/27/23

LOCATION: 92 County Line Rd. DATE INSTALLED: ___

TOTAL DEPTH (FTOC): ~~75.51~~ 80.62 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: TOC

METHODS OF DEVELOPMENT

o Swabbing o Bailing x Pumping o Describe Hurricane impeller pump

Equipment decontaminated prior to development o Yes o No

Describe: Alconox + DI water

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

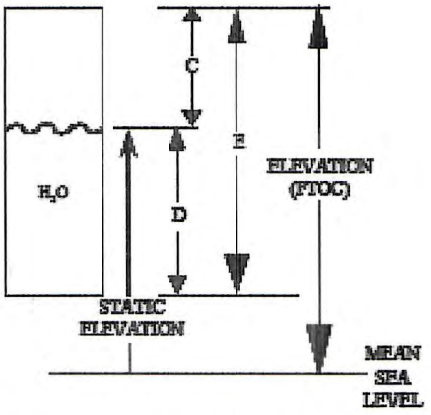
Measured Well Depth (B) ~~75.51~~ 80.62 ft.

Measured Water Level Depth (C) 12.35 ft.

Length of Static Water Column (D) 80.62 (B) - 12.35 (C) = 68.27 ft.

Casing Water Volume (E) = 0.16 (A) × 68.27 (D) = 10.92 gal

Total Purge Volume = 10.92 × 10 = 10 (gal) 125 gallons



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/27	1205	16.81	10	6.52	0.466	17.15	218	Grey Silt
6/27	1235	20.83	60 40	8.77	0.436	12.65	21.7	Slight grey
6/27	1305	21.57	70	9.77	0.454	16.38	23.5	"
~~6/22~~	~~1430~~	~~41.82~~	~~120~~	~~9.92~~				
6/27	1430	22.34	120	8.55	0.430	16.84	8.8	Clear
6/27	1500	22.36	135	8.51	0.427	16.56	7.4	Clear
		End	development					

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Well J Deep

WELL/PIEZOMETER ID: EAAOG_152-172

PROJECT NAME: North Penn OU-2 PROJECT NO.: E23028 SHEET ___ of ___ DATE: 6.27.23

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 172.40' CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: TOC

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒Pumping o Describe Typhon Impeller

Equipment decontaminated prior to development ☒Yes o No

Describe: Alconox + Water

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

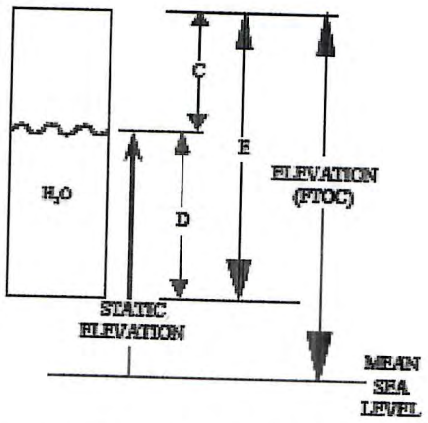
Measured Well Depth (B) 172.40 ft.

Measured Water Level Depth (C) 6.87 ft.

Length of Static Water Column (D) 172.40 (B) - 6.87 (C) = 165.53 ft.

Casing Water Volume (E) = 0.16 (A) × 165.53 (D) = 26.48 gal

Total Purge Volume = 265 (gal) 280 gallons



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/27	1200	6.93	5	10.32	3.27	17.40	32.9	Clear
6/27	1230	56.61	35	10.62	3.25	14.16	101	light turbidity
6/27	1300	85.76	50	10.92	2.56	18.33	147	"
6/27	1435	90.91	100	9.02	0.427	18.93	11.7	Clear
6/28	1000	90.87	125	10.65	0.513	19.18	14.5	Clear
6/28	1440	90.82	200	10.77	0.968	19.90	8.3	Clear
6/28	1655	85.14	230	10.78	0.954	17.81	11.3	Clear
6/28	1720	84.82	250	10.74	0.953	17.92	13.4	Clear
6/28	1750	84.60	280	10.75	0.948	17.99	12.1	Clear

End Purge

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well K-BS

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: F2302X DATE: 6/30

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 50.52 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ☒ Pumping o Describe Hurricane @ 45'

Equipment decontaminated prior to development o Yes o No

Describe: DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-3000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

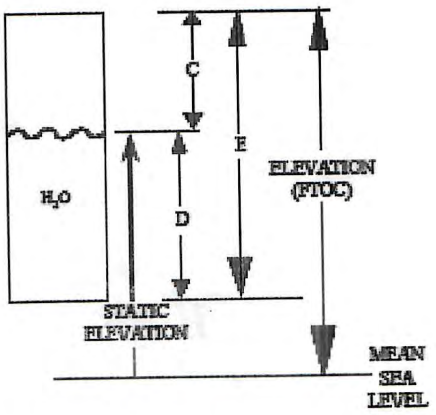
Measured Well Depth (B) 50.52 ft.

Measured Water Level Depth (C) 9.51 ft.

Length of Static Water Column (D) 50.52 (B) - 9.51 (C) = 41.01 ft.

Casing Water Volume (E) + 2" (A) x 41.01 (D) = 6.56 gal

Total Purge Volume = 66 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/30	1405	9.60	5	7.43	1.34	18.33	1000+	White - chalky (Bent)
6/30	1435	10.23	25	7.14	1.03	17.70	1000+	"
6/30	1500	10.61	45	7.54	0.500	21.55	773	"
6/30	1615	10.82	75	6.47	0.398	21.19	135	slight white fint
6/30	1645	10.87	100	6.34	0.389	19.56	147	"
7/5	1030	10.93	130	5.42	0.449	21.18	176	slight white dust
7/5	1100	11.13	160	5.93	0.360	21.13	93.5	"
7/5	1130	11.18	190	6.29	0.337	21.14	33.1	Clear
7/5	1210	11.20	220	6.33	0.341	21.06	31.1	Clear

end purge

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well-K-I

PROJECT NAME: NPS PROJECT NO.: F23027 SHEET 1 of 1

LOCATION: DATE INSTALLED: DATE: 7/5

TOTAL DEPTH (FTOC): 175.16 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL:

METHODS OF DEVELOPMENT

o Swabbing o Bailing ◐ Pumping o Describe Hurricane 168'

Equipment decontaminated prior to development o Yes o No

Describe: DI water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

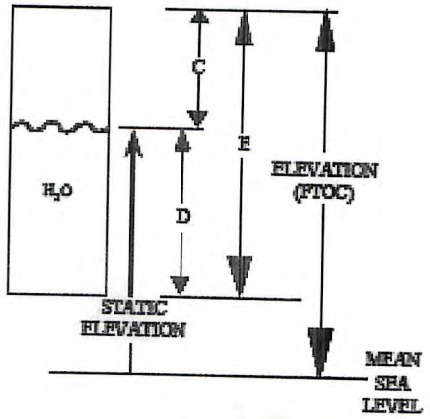
Measured Well Depth (B) 175.16 ft.

Measured Water Level Depth (C) 9.38 ft.

Length of Static Water Column (D) 175.16 (B) - 9.38 (C) = 165.78 ft.

Casing Water Volume (E) = 0.16 (A) × 165.78 (D) = 26.52 gal

Total Purge Volume = 266 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/5	~~1430~~ 1410 1035	16.52	10	5.71	0.446	17.83	163	Slight white tint
7/5	1105	44.67	50	5.70	0.850	17.08	1000+	White - Bent
7/5	1205	54.91	90	6.31	0.342	17.01	1000+	"
7/5	1300	57.62	140	6.86	0.360	21.07	721	"
7/5	1405	49.22	190	6.44	0.385	16.02	560	"
7/5	1510	45.61	240	6.52	0.346	15.40	485	"
7/5	1630	39.36	320	7.27	0.340	22.82	340	Slight white tint
7/5	1720	35.63	370	7.12	0.332	20.56	323	
7/7	0930	33.57	390	5.69	0.318	19.62	95.3	Clear
7/7	1000		410	6.13	0.415	17.21	190	White tint

Well K-I

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/7	1100	52.34	450	7.10	0.349	20.65	536	White tint
7/7	1130	45.69	475	7.03	0.344	21.09	275	"
7/7	1230	38.41	525	8.21	0.321	19.19	226	"
7/7	1300	29.11	545	7.29	0.324	20.75	186	"
7/7	1330	26.64	565	7.29	0.330	17.30	156	"
7/7	1430	~~25.92~~	605	7.23	0.323	17.82	109	Slight white tint
7/7	1500	25.73	625	7.28	0.327	17.82	55	Clear
7/7	1510	25.68	635	7.25	0.329	17.74	28	Clear
7/7	1520	25.65	635	7.29	0.332	17.65	25	Clear
			End	purge				

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID: Well K-5 D

SHEET 1 of 1

PROJECT NAME: NPS PROJECT NO.: E2302X DATE: 6/30

LOCATION: _____ DATE INSTALLED: _____

TOTAL DEPTH (FTOC): 253.93 CASING DIAMETER: 2"

MEASURING POINT HEIGHT ABOVE/BELOW GROUND LEVEL: _____

METHODS OF DEVELOPMENT

o Swabbing o Bailing ✓ Pumping o Describe Hurricane @ 240'

Equipment decontaminated prior to development o Yes o No

Describe: DI Water + Alconox

EQUIPMENT NUMBERS:

pH Meter Horiba U-5000 EC Meter " Turbidity Meter " Thermometer "

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	(2.0)	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

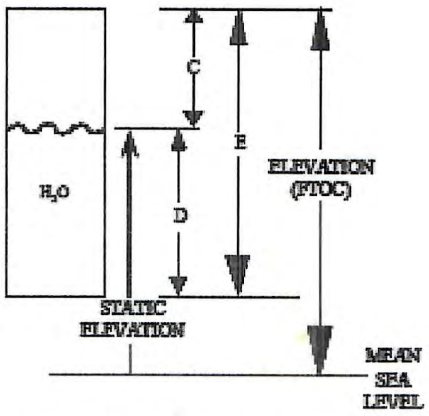
Measured Well Depth (B) 253.93 ft.

Measured Water Level Depth (C) 9.64 ft.

Length of Static Water Column (D) 253.43 (B) - 9.64 (C) = 244.29 ft.

Casing Water Volume (E) + 9.86 (A) x 244.29 (D) = 39.09 gal

Total Purge Volume = 391 (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
6/30	1415	9.91	5	7.95	0.357	15.45	240	White tint
6/30	1505	10.67	45	7.65	0.371	17.43	17.4	Clear
6/30	1605	11.74	90	6.62	0.363	17.29	2.9	Clear
6/30	1650	11.69	140	6.48	0.368	16.07	1.3	Clear
7/5	1040	10.03	180	6.16	0.379	16.15	11.2	Clear
7/5	1110	10.85	220	6.34	0.366	15.64	1.8	Clear
7/5	1205	11.22	300	6.24	0.345	16.73	19.3	Clear
7/5	1305	11.83	340	6.45	0.359	17.42	3.3	"
7/5	1400	10.41	380	6.60	0.351	18.16	2.3	"
7/5	1500	10.22	420	6.55	0.359	18.03	4.6	"

End Purge

RI-41-D

DTW = 12.87

HGL HydroGeoLogic, Inc

WELL DEVELOPMENT RECORD

Bladder @ 255'

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/18	935	13.76	10	6.44	0.470	18.42	0.5	Clear
7/18	1015	13.87	80	7.54	0.356	20.17	0.3	Clear
7/18	1050	13.94	90	7.94	0.401	22.06	1000+	Red silt
7/18	1115	13.90	105	7.97	0.358	22.52	445	Silt, red tint
7/18	1130	13.89	120	7.95	0.358	20.97	1000+	Red tint
7/18	1213	13.90	135	7.53	0.356	21.56	262	Red tint
7/18	1245	13.90	145	7.36	0.351	20.07	226	"
7/18	1330	13.91	160	7.85	0.370	21.70	47.8	Clear
7/18	1415	13.92	175	7.84	0.368	21.67	34.0	Clear
			End		Purge			

RW

RI-41-S DTW = 14.73 DTB = 72.35

Geosub @ 68.0'

WELL DEVELOPMENT RECORD

92 gal Purge Volume

Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Type, Size, and Amount of Sediments Discharged During Purging
7/18	1130	14.93	10	8.27	0.392	28.86	562	White tint
7/18	1200	15.13	30	8.20	0.396	24.65	412	"
7/18	1230	15.14	50	8.19	0.390	23.54	271	"
7/18	1300	15.22	70	7.95	0.402	25.78	757	"
7/18	1400	15.30	100	7.61	0.431	29.78	101	slight white tint
7/18	1430	15.32	120	7.76	0.424	24.82	83.7	"
7/18	~~1445~~	15.36	130	7.43	0.429	23.60	50.6	Clear
7/18	1500	15.38	140	7.44	0.426	23.54	44.3	Clear
				end	purge			

ATTACHMENT 7
SAMPLE PURGE FORMS

GROUNDWATER SAMPLING DATA SHEET

Well No: R1-39D	**Location** Our property	**Project Name:** NPS	
Date: 7/24/23	**Project #:** E2302x	**Type of Pump:** geosub / bladder	
	Placement of Pump Inlet (ft 210	**Sampling Method:** volume + low flow	
Time: 1145	**Screen interval FTOC (ft):** 203 - 220	**Installed Well Depth (ft):** 220	
	Well Diameter (in): 2"	**DTP Top (ft):**	
DTW (ft TOC): 14.76	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** ML	
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):**		
Measured Well Depth (ft): 219.2	**Notes:** 220 x 0.16	220 - 14 = 206 x 0.16 = 32.96	9 gallons

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate ~~(L/min)~~ gal/M	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
~~945~~	x	1.5	—								
~~955~~		1.5	15g								
1015		1.5	40g	5.78	17.6	0.518		40	0	10	
1045	35.83	1.5	70g	6.8	18.6	0.398		-25	0	9	incr. flow
1100	35.75	2	100g	7.73	16.5	0.409		-104	0	9	
switch to bladder pump + drop tube											
1130	16.08	500ml	—	7.89	15.3	0.422		-163	0	18	
1135	16.20	500ml	2.5L	7.91	14.9	0.420		-114	0	10.2	
1140	16.04	500ml	5L	7.88	14.7	0.416		-120	0	4.2	
1145		500ML	7.5L	7.87	14.65	0.415		-124	0	4.0	
				Sample @ 1145							
				Dup @ 1150							
				R1-39-2							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s) ML

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA09-150-TS	**Location** CAES	**Project Name:** NPS	
Date: 7/21	**Project #:** E23024	**Type of Pump:** Geosub	
	Placement of Pump Inlet (ft	**Sampling Method:** Low Flow	
Time: 0915	**Screen interval FTOC (ft):**	**Installed Well Depth (ft):** 160'	
	Well Diameter (in): 2	**DTP Top (ft):** —	
DTW (ft TOC): 7.65	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** M. Gmb	
Condition of Well Bottom: Solid	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** Sunny Geosub @ 160'		
Measured Well Depth (ft): 175.23	**Notes:** 150 x 0.16 = 24 x 3 = 72 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min) 0.1mL/min	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
915	7.83		1	7.08	27.13	0.599		88	3.43	456	White tint
945	11.43		15	7.36	26.21	0.367		12	1.36	472	Brown
1015	13.62		25	7.47	26.45	0.365		-43	1.17	356	"
1045	16.91		37	7.50	26.37	0.361		-73	1.01	390	White tint
1115	20.13		50	7.53	22.82	0.354		-83	0.71	1012	Clear
1145	20.84		57	7.54	21.93	0.353		-71	0.63	27.6	Clear
1215	21.73		64	7.54	21.57	0.351		-62	0.60	>4.4	Clear
1245	21.82		75	7.21	20.47	0.355		-120	0.33	2.3	Clear
1250	21.72		75.5	7.18	18.99	0.360		-112	0.37	1.9	Clear
1255	21.68		76.0	7.15	19.08	0.358		-114	0.32	1.7	Clear
				~~Sample~~	~~1300~~						
1300	21.67		76.5	7.16	19.06	0.358		-115	0.32	1.4	Clear

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No:	W-9 ✓	**Location**	CAES property	**Project Name:**	NPS
Date:	7/24/23	**Project #:**	623029	**Type of Pump:**	Grosh
		Placement of Pump Inlet (ft		**Sampling Method:**	Low Flow
Time:	9:40	**Screen interval FTOC (ft):**	13-45	**Installed Well Depth (ft):**	45
		Well Diameter (in):	2.5	**DTP Top (ft):**	
DTW (ft TOC):	9.22	**MP Ht. ~~Above~~ below Ground Surface (ft):**	1 ft	**Sampler(s):**	Y. Kou
Condition of Well Bottom:	Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):**	740 Mostly Sunny N 6mph		
Measured Well Depth (ft):	45.23	**Notes:**	45 x 0.19 = 8.55 x 3 = 25.65 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate ~~(L/min)~~	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1025		0.5	0	started		purging					
1050	15.65		10	4.75	13.00		0.672	331	0.0	6.14	
1110	15.54		20	4.71	12.97		0.693	335	0.0	10.1	
1120	15.18		26	5.07	13.23		0.820	323	0.0	183	98L
		liters/min	liters								
1130	12.63	0.5	103	5.27	13.15		0.915	309	0.0	196	
1135	12.46	0.5	106	5.35	13.11		0.937	300	0.0	161	
1140	12.43	0.5	109	5.40	13.09		0.942	293	0.0	128	
1145				Sampled		NPS_W-9_0723					

OBSERVATIONS (color/odor): odorless, brownish turbid

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

mon. / Tues

GROUNDWATER SAMPLING DATA SHEET

<0.16

Well No: EPA07 204-216	**Location**		**Project Name:**
Date: 7/24/23	**Project #:**		**Type of Pump:**
	Placement of Pump Inlet (ft		**Sampling Method:**
Time: 0945	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):**
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 7.89	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** A. Michel
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 92 Sunny		
Measured Well Depth (ft):	**Notes:** 100 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min				mS/m					
1000	15.21	1.5	10	7.03	17.06	0.603		216	1.64	60.4	
1015	32.65	1.0	30	8.47	16.14	0.501		175	0.00	24.3	
1030	35.19	1.0	50	9.12	17.14	0.499		24	0.00	13.9	
1045	35.18	1.0	60	9.25	16.38	0.498		-82	0.89	5.2	
1100	35.29	1.0	75	9.31	15.72	0.497		-109	1.03	3.4	
1115	35.31	0.1	100	9.36	15.81	0.497		-107	1.36	2.3	
1120	34.46	0.1	105	9.40	16.17	0.499		-115	1.31	1.4	
1125	32.81	0.1	110	9.42	16.07	0.499		-121	1.29	3.5	
1130	31.35	0.1	115	9.42	15.96	0.500		-123	1.31	1.7	
1135	28.64	0.1	~~115~~ 120	9.43	16.03	0.499		-121	1.32	2.1	
Sampled @			1140								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Mon/Tues **GROUNDWATER SAMPLING DATA SHEET**

Well No: R140 185-205	**Location**		**Project Name:** NORTH P.S
Date: 7-24-2023	**Project #:** E2302X		**Type of Pump:** GEO TECH
	Placement of Pump Inlet (ft 190'		**Sampling Method:** CONV.
Time: 1000	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):** 205
	Well Diameter (in): 2"		**DTP Top (ft):** 0
DTW (ft TOC): 12.50	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** ROY WAGNER
	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):		
Condition of Well Bottom: NA	72°F clouds/SUN		
Measured Well Depth (ft): NA	**Notes:** 205 x 0.16 = 32.8 (3) 98.4 (100 Gallons)		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/MIN									
1012	12.50	0.50		6.38	13.13	0.538	—	-68	3.70	16.0	clear
1030	16.90	0.50	10	6.82	13.09	0.522	—	-100	2.07	1.21	clear
1050	17.40	0.75	25	7.06	13.01	0.512	—	-120	0.00	0.56	clear
1110	17.40	0.75	40	7.15	13.09	0.511	—	-124	0.00	0.61	clear
1130	17.39	0.75	55	7.32	13.08	0.511	—	-134	0.00	0.00	"
1150	17.38	0.75	70	7.43	13.13	0.510	—	-137	0.00	0.40	"
1210	17.38	0.75	85	7.46	13.09	0.511	—	-138	0.00	0.38	"
1230	~~17.39~~	0.75	100	7.51	13.12	0.512	—	-140	0.00	0.28	"
	17.40										
		ML/MN									
1235	~~16.80~~	~~ML/MIN~~		7.52	13.11	0.512	—	-140	0.00	0.38	~~12.40~~ 16.00
1240	~~N.S.~~	300		7.51	13.82	0.510	—	-140	0.00	0.24	~~12.40~~ 15.80
1245	~~N.S.~~	300		7.52	13.74	0.510	—	-140	0.00	0.24	~~17.40~~ 15.70
1250	~~N.S.~~	300		7.52	13.72	0.510	—	-140	0.00	0.25	~~12.40~~ 15.00
		~~300~~							~~<0.00~~		
				Sampled @ 12:50							

OBSERVATIONS (color/odor): Clear / NO ODOR

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 #4
HORIBA U52 #4 1404960

Signed / Sampler(s)

Roy Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Geotech @ 150' Bladder @ 240'

Well No: EPA09-230-250	Location: CAES		Project Name: NPS
Date: 7.24	Project #: E23024		Type of Pump: Geotech + Bladder
	Placement of Pump Inlet (ft): 150 & 240		Sampling Method: low flow
Time: 1015	Screen interval FTOC (ft): 230-250		Installed Well Depth (ft):
	Well Diameter (in): 2		DTP Top (ft): n/a
DTW (ft TOC): 8.93	MP Ht. Above Ground Surface (ft):		Sampler(s): M. Lamb
Condition of Well Bottom: solid	Weather (sun/clear, overcast/rain, wind direction, ambient temp): Sunny 80s °F		
Measured Well Depth (ft): 253.91	Notes: 250 x 0.16 = 40 x 3 = 120 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume ~~gal~~ L	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
Geotech @ 150'.											
1015	8.93	1	10	6.46	19.43	0.364		-24	3.76	16.3	Clear
1045	9.15	1	~~40~~	6.75	16.92	0.337		-85	0.79	0.2	"
1115	9.21	1	70	6.84	17.31	0.349		-93	0.73	3.6	"
1145	9.21	1	100	6.75	16.80	0.357		-91	0.63	0.6	"
1215	9.22	0.5	115	6.62	16.03	0.360		-84	0.75	2.0	"
1245	9.23	0.5	130	6.53	16.52	0.363		-79	0.88	2.1	"
Bladder → Installed @ 240' 1250	9.18	0.1	130.5	7.15	22.32	0.354		-128	1.16	26.4	Clear
1255		0.1	131	7.12	22.13	0.353		-127	1.12	26.1	"
1300		0.1	131.5	7.15	22.01	0.356		-124	1.09	24.9	"
~~1310~~					~~Sample @ 1305~~						
1320		0.1									
1310		0.1	325	7.14	22.16	0.352		-125	1.08	22.1	"
1320		0.1	33.5	7.12	21.93	0.352		-124	1.05	20.7	"
					Sample @ 1320						

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

mon. Hues

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA07 30-57.5	**Location**		**Project Name:**
Date: 7/24/23	**Project #:**		**Type of Pump:**
	Placement of Pump Inlet (ft		**Sampling Method:**
Time: 1210	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):**
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 10.98	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** A. Michel
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 92 Sunny		
Measured Well Depth (ft):	**Notes:** 23 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (~~L~~)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm	gal			mS/cm					
1220	11.35	0.2	2	6.69	21.44	1.77		46	10.96	982	white/cloudy
1225	11.21	0.5	5	6.21	22.31	1.89		13	7.21	643	
1230	11.19	0.5	8	7.64	21.95	1.87		3	6.38	276	
1235	11.16	0.5	10	7.53	21.82	1.85		-1	5.94	289	
1240 ~~1246~~	11.16	0.5	17.5	7.50	21.46	1.84		-3	5.89	297	
1255	11.15	0.5	20	7.50	21.32	1.85		-4	5.87	315	
1300	11.15	0.5	23	7.51	21.38	1.84		-6	5.86	286	
1305	11.15	0.1	23.5	7.46	21.57	1.86		-4	5.87	275	
1310	11.14	0.1	24	7.45	22.04	1.86		-3	5.86	281	
1315	11.13	0.1	24.5	7.44	21.98	1.86		-5	5.88	283	
1320	11.14	0.1	25	7.44	21.95	1.85		-4	5.87	280	
Sampled @ 1330											

OBSERVATIONS (color/odor): white / cloudy

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: W-4 ✓	**Location** RAES property	**Project Name:** NPS
Date: 7/24/23	**Project #:** E23062x0	**Type of Pump:** Geosub
	Placement of Pump Inlet (ft 30	**Sampling Method:** Low Flow
Time: 1245	**Screen interval FTOC (ft):** 16-33	**Installed Well Depth (ft):** 33
	Well Diameter (in): 2	**DTP Top (ft):**
DTW (ft TOC): 8.65	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** Y. Kone
Condition of Well Bottom: SOFT	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 82° Mostly sunny NE 5mph	
Measured Well Depth (ft): 29.45	**Notes:** 33x0.16 = 5.28x3 = 15.84gallons	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L/min~~)	Total Volume (~~L~~)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1255		0.5	0	started Purging							
1305	8.86	0.5	5	4.46	12.29		0.095	314	0.0	13.0	
1310	8.84	1	10	4.34	12.32		0.095	330	0.0	0.02	
1315	8.83	1	16	4.27	12.35		0.095	341	0.0	0.02	
		~~Liters~~ gal/min	liters	purged 3 well volumes							61L
1320	8.87	0.5	64	5.12	12.65		0.095	214	0.0	11.8	
1330	8.89	0.5	67	4.95	12.93		0.094	276	0.0	0.40	
1335	8.89	0.5	70	5.02	12.33		0.094	283	0.0	0.02	
1340			Sampled NPS_W-4_0723								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Maybe dry R – need depth to well

Well No:	RI-40B	**Location**	OU2 property	**Project Name:**	NPS
Date:	07.24.2021	**Project #:**	E2302x	**Type of Pump:**	
		Placement of Pump Inlet (ft		**Sampling Method:**	Baler / GRAB
Time:	~~1030~~ 1312	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):**	
		Well Diameter (in):	2"	**DTP Top (ft):**	0
DTW (ft TOC):	14.05	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):**	Roy Wagner
Condition of Well Bottom:	Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):**	74 (RF 92°) WNW 1 mph 87% Humidity		
Measured Well Depth (ft):	16.20	**Notes:**	insufficient water in well ~~Bubble Casing is 2.15~~		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1315	14.07	—		6.89	19.84	0.154	—	-14	1.96	432.	cloudy
		& NO Purge insufficient water column in Casing									
	7/24/2023										
	weather @ 85°F (RF)			98%	SSW 3 mph						
		SAMPLED @ 1315									

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

Roy J Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Mon Tues

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA08 152-172	Location: NPS	Project Name:
Date: 7.25	Project #:	Type of Pump: Geotech
Time: 0945	Placement of Pump Inlet (ft): 162	Sampling Method: Low flow
DTW (ft TOC): 7.59	Screen interval FTOC (ft): 152-172	Installed Well Depth (ft):
Condition of Well Bottom: Solid	Well Diameter (in): 2	DTP Top (ft): n/a
Measured Well Depth (ft): X159	MP Ht. Above Ground Surface (ft):	Sampler(s): N. Gash
	Weather (sun/clear, overcast/rain, wind direction, ambient temp): Sunny 80s °f - thunder @ 1415-1600	
	Notes: 83 Gallon Purge	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1015	23.1	0.5	15	8.90	21.00	0.500		80	1.06	31.5	Clear
1045	48.71	0.5	30	10.27	20.38	0.432		-64	0.02	28.0	Clear
1115	93.62	0.5	60	11.66	20.57	1.18		-145	4.22	110	allow to recharge
1200	41.26	0.5	120	11.16	17.45	0.566		-139	0.97	57.5	Clear
1215	67.42	0.25	45	9.48	21.53	0.406		-60	5.42	125	White flocs
~~1230~~	94.23	0.1	47								allow recharge
1300	68.32	0.5	60	11.27	20.31	0.656		-136	2.03	153	white flocs
1330	96.72	1	85	10.35	20.35	1.11		-82	1.92	30.6	Clear
1350	91.28	0.1	85.5	10.85	17.13	0.497		-69	1.16	18.1	Clear
1355	82.35	0.1	86	10.79	17.11	0.486		-60	1.25	15.6	Clear
1400	81.97	0.1	86.5	10.75	17.12	0.489		-62	1.31	20.3	Clear
1405	80.83	0.1	87	10.74	17.08	0.486		-62	1.37	20.8	Clear
				Sample @ 1405							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: R117-254-274	Location	Project Name:
Date: 7/25/23	Project #:	Type of Pump:
Time: 0945	Placement of Pump Inlet (ft	Sampling Method:
	Screen interval FTOC (ft):	Installed Well Depth (ft):
	Well Diameter (in):	DTP Top (ft):
DTW (ft TOC): 8.21	MP Ht. Above Ground Surface (ft):	Sampler(s): A. Michel
Condition of Well Bottom:	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 82° Sunny	
Measured Well Depth (ft):	Notes: 130 gal purge	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
0950	9.31	1.5	15	6.47	21.75	0.493		95	0.99	132	
1010	9.50	1.5	45	6.94	15.98	0.505		-23	0.00	131	
1025	9.56	1.5	68	6.93	15.26	0.503		-24	0.00	64	
1040	9.61	1.5	90	6.95	15.43	.503		-26	0.00	28	
1055	9.62	1.5	115	6.99	16.02	.498		-29	0.00	13	
1110	9.61	1.5	135	7.17	16.07	.492		-40	0.00	12	
1115	9.61	0.1	135.5	7.18	16.03	.493		-41	0.00	15	
1120	9.61	0.1	136	7.18	15.94	.495		-42	0.00	10	
1125	9.62	0.1	136.5	7.17	16.05	.495		-41	0.00	12	
1130	9.62	0.1	137	7.17	16.12	.495		-41	0.00	11	
1135	9.62	0.1	137.5	7.17	16.08	.494		-42	0.00	13	
Sampled @			1140								

OBSERVATIONS (color/odor): Clear, none

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

GROUNDWATER SAMPLING DATA SHEET

farmfield

Well No: RI-175	**Location** ~~Old property~~	**Project Name:** NPS	
Date: 7/25/23	**Project #:** E23024	**Type of Pump:** Geo Sub	
	Placement of Pump Inlet (ft	**Sampling Method:** Low Flow	
Time: 9:45	**Screen interval FTOC (ft):** 43-63	**Installed Well Depth (ft):** 63	
	Well Diameter (in): 2	**DTP Top (ft):**	
DTW (ft TOC): 16.08	**MP Ht. Above Ground Surface (ft):** 2.5	**Sampler(s):** Y. Kan	
Condition of Well Bottom: soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 80° Mostly Sunny NE 3mph		
Measured Well Depth (ft): 65.10	**Notes:** 46.92 x 0.16 = 7.50 x 3 = 22.52 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1100		0.16	0	started purging							
1145	16.18	0.16	8	7.08	18.94		0.661	151	6.00	119	
1250	16.23	0.16	16	7.46	15.18		0.637	74	0.96	155	
1305	16.24	0.4	23	7.37	14.44		0.638	44	0.69	38.1	
		liters/min	liters	purged 3 well volumes							87
1315	16.28	0.5	95	7.34	14.41		0.641	41	0.42	15.9	
1320	16.24	0.5	98	7.31	14.41		0.639	41	0.38	6.92	
1325	16.24	0.5	101	7.26	14.33		0.644	45	0.36	4.91	
1330				Sampled NPS_RI-175_0723							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-39I	**Location**	**Project Name:** NPS	
Date: 07/25/2023	**Project #:** E2202X	**Type of Pump:** Geo Tech	
	Placement of Pump Inlet (ft	**Sampling Method:** Conventional	
Time: 1056	**Screen interval FTOC (ft):**	**Installed Well Depth (ft):**	
	Well Diameter (in): 2"	**DTP Top (ft):**	
DTW (ft TOC): 16.80	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** Ray Wagner	
Condition of Well Bottom: Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 86°F (RF 94) SW 5mph 72% Humidity		
Measured Well Depth (ft): 123.35	**Notes:** X0.16 =		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1110	19.40	0.75		7.29	13.75	0.962	—	17	0.78	4.85	clear
1130		0.75	15.0				—				clear
1150	20.20	0.75	30.0	7.22	13.70	1.03	—	-21	0.00	2.90	clear
1210	20.20	0.75	45.0	7.25	13.67	1.03	—	-19	0.00	2.41	clear
1230	20.20	0.75	60.0	7.29	13.68	1.03	—	-18	0.00	1.53	clear
		mL/MN									
1235	18.09	350		7.25	14.35	1.02	—	-16	0.00	5.46	clear
1240	18.07	350		7.25	14.25	1.03	—	-16	0.00	2.52	clear
1245	18.05	350		7.29	14.23	1.05	—	-15	0.00	1.56	clear
1250	18.05	350		7.29	14.24	1.05	—	-15	0.00	1.54	Clear

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 #
HORIBA U52 # 1404

Signed / Sampler(s)

Ray Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Mon / Tues

RI17 368-400

GROUNDWATER SAMPLING DATA SHEET

Well No: ~~RI 368-400~~	**Location**	**Project Name:**
Date: 7/25/23	**Project #:**	**Type of Pump:**
	Placement of Pump Inlet (ft	**Sampling Method:**
Time: 1200	**Screen interval FTOC (ft):**	**Installed Well Depth (ft):**
	Well Diameter (in):	**DTP Top (ft):**
DTW (ft TOC): 6.45	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** A. Michel
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 84° Sunny	
Measured Well Depth (ft):	**Notes:** 188 gal purge.	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm	gal								
1205	8.04	1.5	7.5	7.09	15.07	0.475		16	0.17	123	
1220	8.15	1.5	30	7.08	14.48	0.484		-50	0.00	56	
1235	8.16	1.5	53	7.30	14.51	.513		-55	0.00	21	
1250	8.16	1.5	75	7.31	14.47	0.512		-65	0.00	6.8	
1305	8.16	1.5	98	7.25	14.22	0.511		-52	0.00	5.4	
1320	8.17	1.5	120	7.26	14.20	.510		-63	0.00	7.9	
1335	8.17	1.5	142	7.37	14.55	0.506		-68	0.00	10	
1350	8.17	1.5	165	7.36	14.69	0.505		-68	0.00	8.2	
1405	8.16	1.5	187	7.36	15.00	0.507		-69	0.00	7.5	
1410	8.15	0.1	187.5	7.43	15.82	0.505		-70	0.00	8.4	
1415	8.04	0.1	188	7.38	15.12	0.502		-68	0.00	6.3	
1420	8.03	0.1	1885	7.38	15.34	0.503		-68	0.00	8.9	
1425	8.03	0.1	189	7.38	15.41	0.502		-68	0.00	7.4	
Sampled @			1430								

OBSERVATIONS (color/odor): Clear, None

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: KT-39_30_50	**Location**		**Project Name:** NPS
Date: 7.25.2023	**Project #:** EL302X		**Type of Pump:** Geo Tech
	Placement of Pump Inlet (ft	40	**Sampling Method:** Conv
Time: 1304	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):** 50
	Well Diameter (in): 2"		**DTP Top (ft):**
DTW (ft TOC): 16.90	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** Ray WAGner
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 86 Showers Calm		
Measured Well Depth (ft): 50.35	**Notes:** 50 x 0.16 = 8 (3) 24.0		25.0 Purged

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1310	17.10	0.25									cloudy/orange
1315	17.10	0.50	2.5	7.14	15.17	1.07	—	-15	6.46	189	clear
1325	17.09	0.50	12.5	7.04	14.81	1.06	—	-43	1.42	29.0	"
1345	~~1335~~ 17.09	0.50	22.5	6.99	15.09	1.06	—	-35	0.05	11.4	"
1350	17.06	0.50	25.0	6.98	15.4	1.06	—	-34	0.00	8.50	"
											"
	Am	ML/MN									
1355	17.0	350		6.98	15.77	1.06	—	-34	0.00	104	clear
1400	17.0	350		6.96	15.77	1.06	—	-32	0.00	6.82	"
1405	17.0	350		6.94	15.78	1.06	—	-31	0.00	6.0	"
				SAmpled @	1405						

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 #
HORIBA U52 # 1404

Signed / Sampler(s)

Ray J Wagner

Thunder @ 1355

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Tues/ Wed

GROUNDWATER SAMPLING DATA SHEET

Well No: R117 87-107	Location: Farmfield	Project Name:
Date: 7/25/23	Project #: E2302A	Type of Pump: Geosub
Time: 1345	Placement of Pump Inlet (ft): 80'	Sampling Method: Low Flow
	Screen interval FTOC (ft): [illegible]	Installed Well Depth (ft): 107
	Well Diameter (in): 2	DTP Top (ft):
DTW (ft TOC): 17.64	MP Ht. Above Ground Surface (ft):	Sampler(s): Y. Cano
Condition of Well Bottom: Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 77° Drizzle NE 9mph	
Measured Well Depth (ft): 110.60	Notes: 89.96 x 0.16 = 14.39 x 3 = 43.18 gallons	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L/min~~)	Total Volume (~~L~~)	pH	Temp (~~deg~~ C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1400		0.5	0	started purging							
1430	17.77	0.5	15	7.10	16.03		0.625	+130	5.65	85.2	
		0.5	30	thunderstorm, did not take reading							
1530	17.10	0.5	45	6.92	17.54		0.736	+124	0.0	6.45	
		1 liter/ min	1 hr	purged 3 well volumes							
1535	17.08	0.5	170	6.90	18.37		0.744	-122	0.0	119	
1540	17.25	0.5	173	6.92	16.29		0.746	-120	0.0	34.6	
1545	17.25	0.5	176	6.91	17.33		0.745	-120	0.0	15.1	
1550			sampled	WPS_R1-17_87-107_0723							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-17D	**Location**		**Project Name:**
Date: 7/26/23	**Project #:**		**Type of Pump:**
	Placement of Pump Inlet (ft		**Sampling Method:**
Time: 0900	**Screen interval FTOC (ft):** 178'-188'		**Installed Well Depth (ft):**
	Well Diameter (in):		**DTP Top (ft):**
DTW (ft TOC): 7.89	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** A. Michel
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 80° Sunny		
Measured Well Depth (ft):	**Notes:** 87 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm									
0905	8.14	1.2	6	6.28	18.07	.574		289	1.72	10	
0920	8.20	1.2	24	6.30	15.68	.582		283	0.38	4.2	
0935	8.21	1.2	42	6.65	16.36	.695		-37	0.00	1.3	
0950	8.22	1.2	60	6.72	16.82	0.713		-39	0.00	1.5	
1005	8.22	1.2	78	6.75	14.77	0.740		-42	0.00	2.3	
1020	8.23	1.2	96	6.75	15.21	0.736		-41	0.00	1.2	
1025	8.23	0.1	96.5	6.76	15.06	0.734		-42	0.00	1.1	
1030	8.15	0.1	97	6.76	15.12	0.734		-42	0.00	0.8	
1035	8.10	0.1	97.5	6.76	15.28	0.733		-42	0.00	1.1	
1040	8.08	0.1	98	6.77	15.04	0.733		-42	0.00	1.3	
Sampled @			1045								

OBSERVATIONS (color/odor): None, clear

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed (Sampler(s))

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Mon/Tues

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA98 30-80	**Location** NPS	**Project Name:**
Date: 7-26-23	**Project #:**	**Type of Pump:** Geotech
	Placement of Pump Inlet (ft 70'	**Sampling Method:** Low flow
Time: 0945	**Screen interval FTOC (ft):** 30-80	**Installed Well Depth (ft):**
	Well Diameter (in): 2	**DTP Top (ft):** N/A
DTW (ft TOC): 11.02	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** M. Lynch
Condition of Well Bottom: Solid	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** Sunny, 80s °F	
Measured Well Depth (ft):	**Notes:** 40 gallon Purge	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L~~/min)	Total Volume (~~L~~)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1000	11.45	1	5	6.00	19.43	0.533		-39	0.87	709	Brown tint
1030	12.32	0.5	20	6.52	20.89	0.383		-94	3.60	370	Brown tint
1100		0.5	35	6.53	17.92	0.387		-97	1.18	77.5	Clear
1115		0.5	45	6.38	19.84	0.385		-78	0.81	11.7	Clear
1120		0.1	45.5	6.44	17.26	0.391		-78	0.63	6.7	"
1125		0.1	46	6.34	17.19	0.394		-73	0.62	3.7	"
1130		0.1	46.3	6.36	17.21	0.395		-75	0.60	5.1	"
				Sample @ 11:30							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-39D	**Location**		**Project Name:** NPS
Date: 7-26-2023	**Project #:** E2302X		**Type of Pump:** GEO Tech
	Placement of Pump Inlet (ft 203		**Sampling Method:** CONV.
Time: 1000	**Screen interval FTOC (ft):** 200-220		**Installed Well Depth (ft):** 220
	Well Diameter (in): 2"		**DTP Top (ft):** 0
DTW (ft TOC): 15.28	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** Roy WAGNER
Condition of Well Bottom: NA	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 68°F NW-1 mph		
Measured Well Depth (ft): NA	**Notes:** 220 x 0.16 = 35.2 (3) 105.6 (108.0 GALLONS PURGED)		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min) GAL/MIN	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1025	20.50	0.50	2.0	6.98	13.60	0.353	—	67	4.09	11.0	clear
1035	20.88	0.75	18.0	7.38	13.51	0.395	—	-61	1.32	4.83	"
1055	20.80	0.75	33.0	7.32	13.54	0.394	—	-96	0.00	2.74	"
1115	20.80	0.75	48.0	7.54	13.54	0.396	—	-115	0.00	2.83	"
1135	20.80	0.75	63.0	7.54	13.72	0.397	—	-119	0.00	4.44	"
1155	20.80	0.75	78.0	7.51	13.72	0.399	—	-121	0.00	2.57	"
1215	20.80	0.75	93.0	7.48	13.72	0.398	—	-121	0.00	1.98	"
1235	20.80	0.75	108.0	7.43	13.76	0.402	—	-120	0.00	1.88	clear
		ML/MIN								(TO)	
1240	17.45	350		7.44	14.61	0.401	—	-122	0.00	1.46	clear
1245	17.25	350		7.41	14.50	0.400	—	-120	0.00	1.40	clear
1250	17.20	350		7.41	14.58	0.400	—	-121	0.00	1.06	clear
			SAMPLED @ 1250								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 # M890540
HORIBA U52 #

Signed / Sampler(s)

Roy J Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-27I	**Location**		**Project Name:**
Date: 7.26.23	**Project #:**		**Type of Pump:** Geotech
	Placement of Pump Inlet (ft 150		**Sampling Method:** Low Flow
Time: 1200	**Screen interval FTOC (ft):** 145 - 155		**Installed Well Depth (ft):**
	Well Diameter (in): 2		**DTP Top (ft):** n/a
DTW (ft TOC): 14.62	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** MG
Condition of Well Bottom: Good Solid	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 80's & Sunny		
Measured Well Depth (ft): 155.53	**Notes:** 75 gallon purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1200	79.17	0.5	5	7.09	20.56	0.486		-17	0.45	58.3	Clear
1230	77.41	0.5	20	7.55	21.25	0.622		-62	3.23	111	White tint
1300	96.79	0.5	35	7.48	22.06	0.570		-74	5.98	54.6	Yellow tint
1400	94.36	0.5	50	7.60	25.56	0.654		-79	3.66	16.0	Clear
1430	101.72	0.5	65	7.35	21.53	0.708		-63	1.60	0.5	"
1500	105.34	0.5	80	7.21	19.22	0.705		-54	3.49	0.7	"
1505	[redacted]	0.1	80.5	7.13	18.32	0.701		-49	1.98	0.4	"
1510	[redacted]	0.1	81	7.11	18.16	0.705		-49	2.03	0.5	"
1515	112.73	0.1	81.5	7.09	18.13	0.703		-47	1.96	0.6	"
				Sample @ 1520							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Tues 7/25

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA06 MW-19S	**Location**		**Project Name:**
Date: 7/26/23	**Project #:**		**Type of Pump:**
	Placement of Pump Inlet (ft		**Sampling Method:**
Time: 1205	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):**
	Well Diameter (in):		**DTP Top (ft):**
DTW (ft TOC): 8.14	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** A. Michel
Condition of Well Bottom:	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 92° Sunny		
Measured Well Depth (ft):	**Notes:** 90 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm	gal								
1215	8.81	1.5	5	7.00	13.71	.225		-54	0.00	10.5	
1230	8.88	1.5	28	7.69	13.70	.252		-87	0.00	4.6	
1245	8.91	1.5	50	7.76	13.72	.294		-91	0.00	3.2	
1300	8.91	1.5	73	7.76	13.62	.303		-91	0.00	1.4	
1315	8.91	1.5	95	7.76	13.58	.302		-91	0.00	2.6	
1320	8.84	0.1	95.5	7.80	13.57	.304		-92	0.00	1.3	
1325	8.81	0.1	96	7.80	13.64	.305		-92	0.00	2.4	
1330	8.72	0.1	96.5	7.80	13.61	.305		-93	0.00	1.2	
1335	8.64	0.1	97	7.81	13.63	.306		-93	0.00	2.4	
Sampled @ 1340											

OBSERVATIONS (color/odor): Clear, none

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Tues 7/25

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA06 30-70	**Location** KEMA		**Project Name:** NPS
Date: 7/26/23	**Project #:** E2302X		**Type of Pump:** Geosub
	Placement of Pump Inlet (ft 60		**Sampling Method:** Low Flow
Time: 12.05	**Screen interval FTOC (ft):** -70		**Installed Well Depth (ft):** 70
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 10.87	**MP Ht. ~~Above~~ below Ground Surface (ft):** -0.25ft		**Sampler(s):** Y. Kore
Condition of Well Bottom: Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 84° Sunny NE 8mph		
Measured Well Depth (ft): 70.00	**Notes:** 59.13 X 0.16 = 9.46 X 3 = 28.38 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1325		1.5	0	started purging							
1335	11.03	1.5	10	6.84	20.74		0.808	-49	0.0	132	
1345	11.03	1.5	20	6.77	20.20		0.817	-38	0.0	93.3	
1355	11.03	1.5	30	6.08	19.51		0.828	-23	0.0	43.8	
				purged 3 well volumes							
1400	11.03	0.1	38	7.30	21.48		0.001	-18	0.0	63.1	
1405	10.90	0.1	38.5	7.13	23.92		0.820	-27	0.36	48.3	
1410	10.90	0.1	39	6.99	25.88		0.780	-25	0.00	36.7	
1415			Sampled	NPS_EPA-06_30-70_0723							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Wed 7/26

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA05 30-50	**Location** FEMA		**Project Name:** NPS
Date: 7/26/23	**Project #:** E2302X		**Type of Pump:**
	Placement of Pump Inlet (ft		**Sampling Method:** Low Flow
Time: 1435	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):** 50
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 9.92	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** A. Michel
Condition of Well Bottom: soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 87° Partly Cloudy NE 6mph		
Measured Well Depth (ft): 65.20	**Notes:** 40.08 x 0.16 = 6.41 x 3 = 19.23 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm	gal								
1440	10.12	1.0	2	7.36	15.64	.554		-73	0.42	468	cloudy, white
1450	10.14	1.0	12	7.21	16.39	.565		-66	0.00	131	↓
1500	10.14	1.0	22	7.09	16.05	.585		-59	0.00	52	↓
1505	10.14	0.1	22.5	7.09	16.21	.580		-59	0.00	31	~~Slight~~ Some white sediment
1510	10.08	0.1	23	7.08	16.18	.574		-59	0.00	28	white sediment
1515	10.02	0.1	23.5	7.08	16.06	.565		-58	0.00	27	
1520	10.00	0.1	24	7.08	15.98	.562		-58	0.00	26	
1525 ~~1530~~	10.00	0.1	24.5	7.08	15.82	.563		-58	0.00	24	
Sampled @ 1530											

OBSERVATIONS (color/odor): Some white sediment

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA0573-103	Location		Project Name:
Date: 7/27/23	Project #:		Type of Pump:
	Placement of Pump Inlet (ft		Sampling Method:
Time: 0910	Screen interval FTOC (ft):		Installed Well Depth (ft):
	Well Diameter (in): 2		DTP Top (ft):
DTW (ft TOC): 10.02	MP Ht. Above Ground Surface (ft):		Sampler(s): A. Michel
Condition of Well Bottom: Soft	Weather (sun/clear, overcast/rain, wind direction, ambient temp):		
Measured Well Depth (ft): 103.4	Notes: 45 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
0925	10.24	1.0	5	5.80	18.10	.581		267	1.62	672	white, cloudy
0935	10.38	0.8	13	7.07	15.02	.646		-69	0.00	126	
0950	10.12	0.8	25	———	Bottom of pump fell out, replaced pump						
1155	10.11	0.8	26	7.18	19.76	.572		-78	0.00	35	
1210	10.11	0.8	36	7.19	18.73	.570		-73	0.00	22	
1220	10.12	0.8	46	6.97	18.77	.564		-63	0.00	24	
1225	10.12	0.1	46.5	6.98	18.89	.560		-64	0.00	25	
1230	10.12	0.1	47	6.98	19.26	.560		-64	0.00	22	
1235	10.11	0.1	47.5	6.98	19.14	.561		-65	0.00	23	
Sampled @ 1240											

OBSERVATIONS (color/odor): None, some white sediment

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any): bottom of pump piece not aggrade, could not recover Lots of thick bentonite at bottom of well, suggest redevelopment

Signed / Sampler(s)

Wed 7/26

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA05 150-180	**Location** KEMA		**Project Name:** NPS
Date: 7/27/23	**Project #:** E2302X		**Type of Pump:** Ready Flow
	Placement of Pump Inlet (ft 170		**Sampling Method:** Low Flow
Time: 9:10	**Screen interval FTOC (ft):** 150-180		**Installed Well Depth (ft):** 180
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 9.31	**MP Ht. Above Ground Surface (ft):** 0 ft		**Sampler(s):** Y. Kane
Condition of Well Bottom: soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 83° Partly Cloudy NE 11 mph		
Measured Well Depth (ft): 181.90	**Notes:** 170.69 x 0.16 = 27.31 x 3 = 81.93 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
940		1	0	Started purging							
1010	12.89	1	~~30~~	7.50	15.77		0.369	145	0.0	21.0	
1030	1	1	~~60~~		15.28		0.395	89	0.0	28.2	
1050	13.31	1	~~90~~	7.45	15.69		0.372	87	0.0	19.9	
1100	10.89	0.5	~~80~~ 340	7.38	17.52		0.368	82	0.0	11.4	~~mL~~/min
1105	10.79	0.5	~~85~~	7.30	17.85		0.367	69	0.0	~~7.01~~	~~mL~~/min
1110	10.78	0.5	~~90~~	7.28	17.96		0.369	63	0.0	5.36	~~mL~~/min
1115			sampled	NPS_EPA-05_150-180_0723							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: MW-27S	**Location**		**Project Name:**
Date: 7/27/23	**Project #:**		**Type of Pump:** Geosub
	Placement of Pump Inlet (ft 47		**Sampling Method:** Low flow
Time: 1000	**Screen interval FTOC (ft):** 40-55		**Installed Well Depth (ft):**
	Well Diameter (in): 2		**DTP Top (ft):** N/A
DTW (ft TOC): 14.91'	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** M. Grob
Condition of Well Bottom: Solid	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** Overcast 80s °f		
Measured Well Depth (ft): 52.10'	**Notes:** 26.4 Gallon Purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (mL/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1015	14.92	1		6.60	23.21	0.878		-19	0.81	70.0	White tint
1045	15.15	15		7.09	19.54	0.873		-46	1.29	81.3	cloudy recharge
1130	15.43	20		7.22	21.54	0.838		-94	1.42	56.5	Clear
1140	15.42	~~25~~ 25		7.17	22.40	0.823		-28	2.03	15.4	Clear
1145	15.43	26.5		7.29	18.23	0.841		-16	0.79	11.6	"
1150	15.43	27		7.17	18.04	0.844		-12	0.71	7.8	"
1155	15.43	27.5		7.17	17.95	0.845		-9	0.64	6.0	"
				Sample @ 1200							
				Dup-01-20230727				tint			

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

Dup-01 tint

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: 5D Power Test Well	Location		Project Name:
Date: 7/27/23	Project #:		Type of Pump:
	Placement of Pump Inlet (ft		Sampling Method:
Time: 1350	Screen interval FTOC (ft):		Installed Well Depth (ft):
	Well Diameter (in):		DTP Top (ft):
DTW (ft TOC): 20.34	MP Ht. Above Ground Surface (ft):		Sampler(s): A. Mabel
Condition of Well Bottom: hard	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 95° Sunny		
Measured Well Depth (ft): 73.85	Notes: 25 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1400	20.53	0.5	1	6.82	18.75	1.02		253	2.45	22	
1410	20.56	0.5	5.5	6.60	18.76	1.01		223	1.93	3.4	
1420	20.59	0.5	10	6.53	18.64	1.01		204	1.91	1.2	
1430	20.60	0.5	15	6.52	18.79	1.01		200	1.90	2.5	
1440	20.60	0.5	20	6.52	18.68	1.01		200	1.84	3.2	
1450	20.60	0.5	25	6.51	18.67	1.01		~~199~~ 198	1.83	2.1	
1455	20.54	0.1	25.5	6.52	18.78	1.00		198	1.81	0.8	
1500	20.52	0.1	~~30~~26	6.52	18.72	1.00		196	1.80	1.1	
1505	20.51	0.1	26.5	6.52	18.69	0.999		196	1.80	0.7	
1510	20.51	0.1	27	6.52	18.86	0.999		194	1.81	0.5	
Sampled @ 1515											

OBSERVATIONS (color/odor): Clear, none

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-335	Location		Project Name:
Date: 7.27.23	Project #:		Type of Pump: Geotub
	Placement of Pump Inlet (ft	38'	Sampling Method: Low flow
Time: 1400	Screen interval FTOC (ft):	33-43	Installed Well Depth (ft): 43'
	Well Diameter (in):	2	DTP Top (ft):
DTW (ft TOC): 12.97	MP Ht. Above Ground Surface (ft):		Sampler(s): M. Grab
Condition of Well Bottom: Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): Ovrcast 90's +		
Measured Well Depth (ft): 42.80'	Notes: 21 gallon purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1430	13.26	0.5	1	7.16	23.03	0.863		-54	7.35	33.6	Clear
1445	16.02	0.5	7.5	6.20	24.84	0.901		-27	6.15	33.4	"
1500	16.27	0.5	15	6.24	20.08	0.928		-19	0.85	10.3	"
1530	16.32	0.5	30	6.32	20.23	0.977		-7	0.05	0.3	Clear
1535	16.33	0.1	30.5	6.31	20.50	0.981		2	0.08	0.2	"
1540	16.33	0.1	31.0	6.29	20.46	0.982		4	0.11	0.2	"
1543	16.33	0.1	31.5	6.28	20.35	0.982		3	0.15	0.2	"
					Sample @		1550				

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA04-30-40	**Location** Farm Field	**Project Name:** NPS
Date: 7/28/23	**Project #:** IE2302X	**Type of Pump:** Geosub
	Placement of Pump Inlet (ft	**Sampling Method:** Low Flow
Time: 900	**Screen interval FTOC (ft):** 30-40	**Installed Well Depth (ft):** 40
	Well Diameter (in): 2	**DTP Top (ft):**
DTW (ft TOC): 18.71	**MP Ht. Above Ground Surface (ft):** 4	**Sampler(s):** R. Wagner
Condition of Well Bottom: Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 82° Sunny SE 3mph	
Measured Well Depth (ft): 43.05	**Notes:** 21.29 x 0.16 = 3.40 x 3 = 10.21	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
0930	19.31	0.5	2.5	6.14	14.95	1.19	—	130	5.82	304	clear
0935	19.05	0.25	7.0	6.51	15.03	1.21	—	0.28	4.02	51.2	clear
0940	19.03	0.25	18.0	6.73	17.26	1.21	—	-52	0.00	9.38	clear
0945	18.94	0.25	18.25	6.78	18.05	1.18	—	-63	0.00	8.53	clear
0950	18.90	0.25	12.5	6.76	19.20	1.17	—	-60	0.00	7.66	"
0955	18.89	0.25	13.75	6.74	20.95	1.17	—	-58	0.00	4.69	"
1000											
			955 Sample								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH kit 25700 # 4890540

Hach 34 USE #102505T

Signed / Sampler(s)

Roy Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA04-288-313	Location		Project Name:
Date: 7/28/23	Project #:		Type of Pump:
	Placement of Pump Inlet (ft		Sampling Method:
Time: 0910	Screen interval FTOC (ft):		Installed Well Depth (ft):
	Well Diameter (in):		DTP Top (ft):
DTW (ft TOC): 12.35	MP Ht. Above Ground Surface (ft):		Sampler(s): A. Michel
Condition of Well Bottom:	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 92° Sunny		
Measured Well Depth (ft): 300+	Notes: 136 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm	gal								
0920	12.52	0.5	3	6.83	17.38	1.29		241	12.05	123	
0925	14.02	1.5	10	6.57	15.10	1.31		139	0.00	52	
0945	15.57	1.5	40	6.56	14.74	1.24		54	0.00	3.4	
1000	15.60	1.7	65	6.60	14.96	1.32		18	0.00	2.7	
1015	15.68	1.7	90	6.59	14.75	1.33		8	0.00	1.4	
1030	16.70	1.7	116	6.58	14.76	1.33		4	0.00	1.0	
1045	16.71	1.7	141	6.65	14.67	1.34		-13	0.00	0.56	
1050	16.65	0.1	141.5	6.66	14.73	1.34		-14	0.00	0.43	
1055	16.54	0.1	142	6.66	14.76	1.34		-14	0.00	0.39	
1100	16.42	0.1	142.5	6.67	14.75	1.34		-14	0.00	0.46	
Sampled @ 1105											

OBSERVATIONS (color/odor): Clear, None

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA04_355-400	**Location**		**Project Name:** NPS
Date: 7-28-23	**Project #:** E2302X		**Type of Pump:** Geo Tech
	Placement of Pump Inlet (ft		**Sampling Method:** Conv.
Time: 1000	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):** 400'
	Well Diameter (in): 2"		**DTP Top (ft):**
DTW (ft TOC): 7.82	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** Roy Wagner
Condition of Well Bottom: NA	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 86 (HI 102°F) NW 2mph		
Measured Well Depth (ft): NA	**Notes:** 390.18 400 x 0.16 = 64 (3) 187.28		(Purge 190)

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/MN									
10.30	15.39	1.0		7.36	1630	0.424	—	-99	0.00	206	Cloudy
11.00	15.96	1.0	30	7.29	16.38	0.417	—	-64	0.00	4.69	clear
1130	15.85	1.0	60	7.44	16.75	0.419	—	-93	0.00	2.40	clear
1200	14.50	1.0	90	7.55	17.92	0.419	—	-147	0.00	1.94	"
1230	15.50	1.0	120	7.31	16.75	0.417	—	-137	0.00	1.89	"
1300	15.60	1.0	150	7.28	17.11	0.416	—	-136	0.00	1.48	"
1330	1580	1.0	180	7.23	16.78	0.415	—	-135	0.00	1.62	"
1340	16.00	1.0	190	7.24	15.88	0.416	—	-135	0.00	1.46	"
											"
1345	14.50	350		7.24	16.63	0.418	—	-136	0.00	0.95	clear
1350	14.96	350		7.24	16.90	0.415	—	-136	0.00	0.98	clear
1355	14.40	350		7.24	18.90	0.416	—	-137	0.00	0.62	clear
			Sampled @			1355					

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH CL1 98703 #4890540
HORIBA U52 #1025050

Signed / Sampler(s)

RJWagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

196915.45 1967 89.73 125.72

GROUNDWATER SAMPLING DATA SHEET

Well No: RT-33F	Location	Project Name:	
Date: 7/28/23	Project #:	Type of Pump: Grotech	
	Placement of Pump Inlet (ft 95	Sampling Method: Low flow	
Time: 1000	Screen interval FTOC (ft): 91-101	Installed Well Depth (ft):	
	Well Diameter (in): 2	DTP Top (ft): N/A	
DTW (ft TOC): 12.93	MP Ht. Above Ground Surface (ft):	Sampler(s): M. Gab	
Condition of Well Bottom: Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): Sunny 90s° f		
Measured Well Depth (ft): [illegible]	Notes: 50 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1000	16.20	1	10	7.93	23.86	0.322		86	6.28	28.2	Clear
1015		1	25	8.06	24.26	0.309		79	3.58	30.2	Clear
1025		1		8.11	24.09	0.310		73	3.09	101	clear
1035				7.89	23.42	0.437		-45	2.37	140	White tint
1053				7.76	23.60	0.525		-88	1.34	111	Clear
1115				7.20	24.54	0.918		-88	0.77	12.1	Clear
1130			30	~~7.38~~ 2.16	24.74	0.986		-82	0.61	4.0	"
1145				7.15	23.40	1.02		-87	0.28	27	"
1153				7.13	22.42	1.18		-87	0.93	14.4	"
1200				7.07	23.02	1.20		-83	0.91	3.8	"
1205				7.10	23.17	1.21		-86	0.97	5.4	"
1210			55	7.08	23.32	1.21		-82	0.92	3.6	"
				Sample @		1215					

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

55

Well No: Power test well	**Location**	**Project Name:**	
Date: 7/28/23	**Project #:**	**Type of Pump:**	
	Placement of Pump Inlet (ft	**Sampling Method:**	
Time: 1225	**Screen interval FTOC (ft):**	**Installed Well Depth (ft):**	
	Well Diameter (in):	**DTP Top (ft):**	
DTW (ft TOC): 20.98	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** A. Michel	
Condition of Well Bottom: hard	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 98° Sunny		
Measured Well Depth (ft): 51.26	**Notes:** 15 gal purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1235	24.21	0.5	3	6.86	19.02	3.22		277	0.43	21.5	
1240	24.03	0.2	6	6.85	20.03	3.26		266	0.22	10.4	
1255	23.91	0.2	9	6.51	22.55	3.79		181	0.00	2.7	
1310	23.90	0.2	12	6.40	22.89	3.81		172	0.00	3.8	
1325	23.90	0.2	15	6.31	23.04	3.82		166	0.00	7.4	
1330	23.84	0.1	15.5	6.32	22.86	3.81		166	0.00	2.9	
1335	23.82	0.1	16	6.30	22.97	3.82		165	0.00	3.5	
1340	23.81	0.1	16.5	6.30	23.14	3.83		165	0.00	2.8	
1345	23.81	0.1	17	6.29	23.28	3.83		166	0.00	1.9	

OBSERVATIONS (color/odor): None, clear

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed: Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RT-415	**Location**		**Project Name:**
Date: 7/31/23	**Project #:**		**Type of Pump:** Grosh
	Placement of Pump Inlet (ft 62		**Sampling Method:** Low flow
Time: 1030	**Screen interval FTOC (ft):** 52-72		**Installed Well Depth (ft):** 72
	Well Diameter (in): 2		**DTP Top (ft):** N/A
DTW (ft TOC): 15.38'	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** M. Grosh
Condition of Well Bottom: Good - Silty	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** Sunny 80°F		
Measured Well Depth (ft): 72.34	**Notes:** 35 gallon purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1030	15.42	0.5	1	6.32	22.56	0.499		191	1.18	38.2	Clear
1100	15.97	0.5	5	7.13	20.96	0.421		166	1.59	34.1	"
1130	17.56	0.5	15	7.82	20.87	0.421		110	2.82	1.5	"
1200	18.23	0.5	25	7.84	18.07	0.434		110	2.00	1.2	"
1230	18.78	0.5	35	7.72	19.56	0.439		109	1.59	0.2	"
1235	15.81	0.1	35.5	7.67	19.83	0.450		108	1.24	0.2	"
1240	15.76	0.1	36	7.72	19.92	0.444		100	1.16	0.2	"
1243	15.75	0.1	36.5	7.72	19.97	0.448		98	1.18	0.2	"

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-41D	**Location**		**Project Name:**
Date: 7/31 + 8/1	**Project #:**		**Type of Pump:** Grosub + Bladder
	Placement of Pump Inlet (ft 239-259		**Sampling Method:** Low Flow
Time: 1330	**Screen interval FTOC (ft):**		**Installed Well Depth (ft):** 259
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 8.30	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** M Grab
Condition of Well Bottom: Solid	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** Sunny 80s °F		
Measured Well Depth (ft): ~259.86	**Notes:** ~~Sol~~ 130 soil purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
Grosub @ 150'											
1330	8.51	1	5	7.98	20.13	0.356		33	0.92	30.0	Clear
1400	39.17	1	30	8.03	17.54	0.360		-13	0.74	21.3	"
1430	46.42	1	40	7.97	16.76	0.362		-46	0.93	17.4	"
1500	57.23	1	70	8.02	20.08	0.353		-98	5.23	5.6	"
1530	75.22	1	105	8.03	20.75	0.349		-98	1.88	3.2	"
1600	76.41	1	135	7.78	18.90	0.356		-83	2.52	1.6	"
Bladder @ 249											
1630	53.47	0.5	150	6.17	18.66	0.452		-26	1.66	468	red tint
1700	41.65	0.5	165	6.62	17.56	0.381		-23	2.02	731	"
1730	33.17										
Pause until resume 8/1											
0900	14.89	0.5	170	7.94	20.49	0.349		-124	2.59	152	red tint
0930	14.91	0.5	185	7.96	18.25	0.355		-126	1.91	102	red tint
1000	14.90	0.25	190	7.66	19.29	0.351		-121	0.90	104	Red tint
1030	14.87	0.1	195	7.55	18.49	0.354		-104	1.10	34.6	Clear
1035	14.88	0.1	195.5	7.53	18.39	0.355		-105	1.05	37.5	"
1040	14.87	0.1	196	7.53	18.35	0.355		-102	1.09	35.3	"
1045	14.85	0.1	196.5	7.52	18.28	0.355		-105	1.04	34.7	"
				Sample @ 1045							

Start 8/1

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-35I	**Location** NPS		**Project Name:** NPS
Date: 7/31/23	**Project #:** E2302X		**Type of Pump:** Ready Flow
	Placement of Pump Inlet (ft 45		**Sampling Method:** Low Flow
Time: 13 40	**Screen interval FTOC (ft):** 40-50		**Installed Well Depth (ft):** 50
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 12.23	**MP Ht. Above Ground Surface (ft):** -0.25		**Sampler(s):** Y. Kone
Condition of Well Bottom: Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 81° Partly Cloudy E 5mph		
Measured Well Depth (ft): 49.90	**Notes:** 37.77 x 0.16 = 6.04 x 3 = 18.12 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1400		1	0	started purging							
1405	20.89	1	5	6.79	16.91		0.742	-125	1.14	41.2	
1410	20.78	1	10	6.43	17.20		0.797	-44	1.66	15.6	
1420	20.74	1	20	6.51	16.98		0.827	-29	0.43	17.0	
			purged 3 well volumes								
1425	15.00	0.1	25	6.33	16.71		0.851	-17	0.0	6.3	
1430	14.97	0.1	25.5	6.29	16.80		0.859	-12	0.0	0.4	
1435	14.82	0.1	26	6.29	16.85		0.861	-13	0.0	0.2	
1440			Sampled NPS_RI-35I_0723								

OBSERVATIONS (color/odor): rotten egg odor

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-34I	**Location** NPS	**Project Name:** NPS
Date: 8.1.2023	**Project #:** E2302X 40.03.01	**Type of Pump:** GEO Pump
	Placement of Pump Inlet (ft 94-104	**Sampling Method:** Convection
Time: 0910	**Screen interval FTOC (ft):**	**Installed Well Depth (ft):** 104
	Well Diameter (in): 2"	**DTP Top (ft):** ~
DTW (ft TOC): 12.63	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** Ray WAGner
Condition of Well Bottom: Soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 69-73 N3mph 60% Humidity	
Measured Well Depth (ft): 103.85	**Notes:** 91.37 x 0.16 = 14.6 (3) 43.8 (45)	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/MN									
0935	16.48	0.75	5.0	7.08	13.82	0.750	—	-1	0.00	4.19	clear
0940	16.48	0.75	8.75	7.09	13.77	0.751	—	-1	0.00	3.60	"
1000	16.48	0.75	23.75	7.13	13.69	0.820	~	-37	0.00	1.36	"
1020	16.38	0.75	32.5	7.40	13.71	0.841	~	-56	0.00	1.16	"
1040 ~~1030~~	16.37	0.75	41.25	7.32	13.74	0.861	~	-51	0.00	1.24	"
1045 ~~1035~~	16.35	0.75	45.0	7.29	13.79	0.866	~	-49	0.00	1.20	
—	—	ML/MN	—								
1050	13.80	350		7.28	14.34	0.877	~	-52	0.00	0.84	clear
1055	13.70	350		7.28	14.32	0.874	—	-51	0.00	1.05	"
1100	13.60	350		7.27	14.37	0.823	—	-51	0.00	1.0	"
				SAMPLED @ 1100							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH - # 4850540
HORIBA U52 - # 4104296

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: MW-8	**Location**		**Project Name:** NPS
Date: 8-1-23	**Project #:** E2303X 40.03.01		**Type of Pump:** Geo Tech
	Placement of Pump Inlet (ft		**Sampling Method:** Conventional
Time: 1145/1230	**Screen interval FTOC (ft):** 15-33		**Installed Well Depth (ft):**
	Well Diameter (in): 4"		**DTP Top (ft):**
DTW (ft TOC): 6.25	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** Roy WAGNER
	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):		
Condition of Well Bottom: Soft	75 N 3 MPH		
Measured Well Depth (ft): 29.50	**Notes:** 26.75 x 0.65 = 15.2 (3) 58.1 (60) Gallons purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/MIN									
1240	6.25	1.0	5	6.32	13.51	0.519	—	171	1.24	1.08	clear
1200	6.75	1.0	25	5.84	13.54	0.522	—	190	0.00	5.60	"
1320	6.75	1.0	45	5.88	13.79	0.524	—	195	0.00	3.11	"
1325	6.75	1.0	60	5.90	13.87	0.524	—	195	0.00	1.86	"
		mL/MIN									
1340	6.35			5.89	14.82	0.525	—	191	0.00	1.37	clear
1345	6.38			5.90	14.79	0.525	—	191	0.00	1.83	"
1350	6.36			5.90	14.81	0.524	—	192	0.00	0.94	"
				Sampled @ 1350							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH #4 89054X
HOMBA U52 # G140296X

Signed / Sampler(s)

Roy Wagner

DUP Taken @ THIS well

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

RI-35 DI

Well No: ~~RI-35I~~	**Location**		**Project Name:**
Date: 8-1-23	**Project #:**		**Type of Pump:** Geotech
	Placement of Pump Inlet (ft 131		**Sampling Method:** Low Flow
Time: 1300	**Screen interval FTOC (ft):** ~~40-50~~ 121-141		**Installed Well Depth (ft):** 141
	Well Diameter (in): 2		**DTP Top (ft):** n/a
DTW (ft TOC): 7.31	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):** M. Groh
Condition of Well Bottom: Solid	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** Sunny, 80s °F		
Measured Well Depth (ft):	**Notes:** 68 gallon purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm).	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
Dup 0131											
1300	20.16	0.5	5	7.47	21.26	0.475		-240	4.15	7.6	Clear
1330	23.57	0.5	20	7.02	22.72	0.810		-157	0.36	5.7	"
1400	26.92	0.5	35	7.11	18.29	0.883		-160	0.75	8.2	"
1430	29.41	0.5	50	7.00	16.87	0.900		-157	1.13	4.1	"
1500	31.17	0.5	65	6.84	16.68	0.900		-150	0.45	3.6	"
1530	31.22	0.1	80	6.78	16.55	0.909		-144	0.41	3.5	"
1535	27.23	0.1	80.5	6.73	16.63	0.911		-145	0.48	3.1	"
1540	26.87	0.1	81	6.72	16.66	0.908		-141	0.42	2.9	"
1545	26.84	0.1	81.5	6.72	16.73	0.908		-140	0.39	2.7	"
					Sample @ 1550						

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

Dup02_20230801 collected

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-38I	Location NPS		Project Name: NPS
Date: 8/1/23	Project #: E2302X		Type of Pump: Rady Flow
	Placement of Pump Inlet (ft 114		Sampling Method: Low Flow
Time: 1415	Screen interval FTOC (ft): 104-124		Installed Well Depth (ft): 124
	Well Diameter (in): 2		DTP Top (ft):
DTW (ft TOC): 15.81	MP Ht. Above Ground Surface (ft):		Sampler(s): Y. Kane
	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 78° Partly Cloudy 6 mph S		
Condition of Well Bottom: Soft			
Measured Well Depth (ft): 123.60	Notes: 108.19 x0.16 = 17.31 x 3 = 51.93 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
1440		1	0	started purging							
1500	33.16	1	20	6.86	19.83		0.962	-52	0.18	12.2	
1520	33.10	1	40	7.13	18.67		0.980	-62	0.0	4.3	
1535	32.79	1	54	7.06	18.79		0.982	-60	0.0	1.0	
			purged 3 well volumes								
1540	21.60	0.1	59	7.04	18.83		0.947	-80	0.0	5.4	
1545	21.41	0.1	59.5	7.03	18.55		0.996	-69	0.0	0.0	
1550	21.35	0.1	60	7.01	18.17		0.999	-64	0.0	0.0	
1555				Sampled NPS_RI-38I_0723							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

3 Sample I

GROUNDWATER SAMPLING DATA SHEET

Well No:	RW-SR_175-190	**Location**	CAES	**Project Name:**	NPS
Date:	8/2/23	**Project #:**	E2302X	**Type of Pump:**	Ready Flow
		Placement of Pump Inlet (ft	180	**Sampling Method:**	Low Flow
Time:	9:10	**Screen interval FTOC (ft):**	175-190	**Installed Well Depth (ft):**	190
		Well Diameter (in):	2	**DTP Top (ft):**	
DTW (ft TOC):	12.98	**MP Ht. Above Ground Surface (ft):**	0	**Sampler(s):**	Y. Fong
Condition of Well Bottom:	soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):**	70° Mostly Sunny SW 4mph		
Measured Well Depth (ft):	191.20	**Notes:**	177.02 x0.16 = 28.32 x 3 = 84.96 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
950		1	0	started purging							
1020	14.65	1	30	6.35	20.33		0.724	107	0.98	0.0	
1040	14.67	1.25	60	7.15	17.94		0.706	-85	0.0	0.0	
1050	14.68	3	90	7.09	17.07		0.719	-84	0.0	0.0	
				purged	3 well volumes						
1055	13.50	0.1	105	7.06	17.19		0.747	-70	0.0	0.0	
1100	13.34	0.1	105.5	7.09	17.50		0.761	-54	0.0	0.0	
1105	13.31	0.1	106	7.05	17.37		0.750	-53	0.0	0.0	
1025				Sampled NPS_RW-SR_175-190_A							
1045				Sampled NPS_RW-SR_175_190_B							
1110				Sampled NPS_RW-SR_175-190_C							

OBSERVATIONS (color/odor): rotten egg

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

RW5R_175_190_A C
RW5R_175_190 B C
RW5R_175_190 C C

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

3 Sunk

GROUNDWATER SAMPLING DATA SHEET

320-345 ID

Well No: RW-5R-~~320~~	**Location** CAES		**Project Name:** NPS
Date: 8/12/23	**Project #:** E2302K		**Type of Pump:** Ready Flow
	Placement of Pump Inlet (ft 335		**Sampling Method:** Low Flow
Time: 1220	**Screen interval FTOC (ft):** 320-345		**Installed Well Depth (ft):** 345
	Well Diameter (in): 2		**DTP Top (ft):**
DTW (ft TOC): 13.09	**MP Ht. Above Ground Surface (ft):** 0		**Sampler(s):** Y Kore, P. Wagner
Condition of Well Bottom: soft	**Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):** 77° Mostly Sunny N 2mph		
Measured Well Depth (ft): 347.32	**Notes:** 331.91 x 0.16 = 53.10 x 3 = 159.31 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1225	14.45	1	0	started purging							
1320	14.90	1	55	7.50	27.07		0.687	-75	0.14	3.6	
1415	14.85	1	110	7.40	20.36		0.697	-77	0.0	0.0	
1510	14.89	1	165	7.30	19.50		0.698	-74	0.0	0.0	
				purged 3 well volumes							
1515	13.35	0.1	170	7.18	18.79		0.735	-70	0.0	0.0	
1520	13.28	0.1	170.5	7.21	17.63		0.741	-57	0.0	0.0	
1525	13.28	0.1	171	7.16	17.24		0.746	-58	0.0	0.0	
1											
1325				Sampled NPS_RW-5R_320-345_A							
1420				Sampled NPS_RW-5R_320-345_B							
1530				Sampled NPS-RW-5R_320-345_C							

OBSERVATIONS (color/odor): Rotten egg

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RT-38D	Location Our property	Project Name: WPS	
Date: 7/20/23	Project #: G23072	Type of Pump:	
	Placement of Pump Inlet (ft	Sampling Method:	
Time: 1425	Screen interval FTOC (ft): 321-333	Installed Well Depth (ft): 333	
	Well Diameter (in):	DTP Top (ft):	
DTW (ft TOC): 14.8	MP Ht. Above Ground Surface (ft):	Sampler(s):	
Condition of Well Bottom: 336.6	Weather (sun/clear, overcast/rain, wind direction, ambient temp):		
Measured Well Depth (ft):	Notes: 333-14 = 319 x 0.16 = 319 x 3 = 51.04 x 3 = 153		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume ~~(L)~~ gal/m	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
start 1020		2.25									
1030	14.83	2.25	22g	6.83	20.19	0.642		69	0	26	
1045	14.9	2	52g	7.34	17.8	0.705		-101	0	18	
1105	@	2	112	7.38	18.5	0.695		-83	0	11	
1140		2.25	168	7.48	17.6	0.707		-94	0	12	
switch pumps, bladder pump for low flow drop tube set @ 325.											
1405		200ml/m		7.76	28.5	0.59		-77	0	14.7	
1412		200ml		7.57	23.1	0.647		-103	0	17.5	
1415	13.63	200ml		7.57	22.8	0.645		-105	0	6.9	
1420				7.54	22.2	0.645		-104	0	2.9	
				Sample 1425							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

@ sharing water level meter

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-16D	Location: Farm field	Project Name: NPS
Date: 7-20-2023	Project #: E2302X	Type of Pump: GEO TECH
	Placement of Pump Inlet (ft): 138'	Sampling Method: Copy
Time: 0919	Screen interval FTOC (ft): 130-150	Installed Well Depth (ft): 150
	Well Diameter (in): 2"	DTP Top (ft):
DTW (ft TOC): 7.10	MP Ht. Above Ground Surface (ft):	Sampler(s): Roy WAGNER
Condition of Well Bottom: Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 75 (feel feel 89) NNE 1mph 86% Humidity (72.0) Gallons	
Measured Well Depth (ft): 152.75	Notes: 24 gallons 150 x 0.16 = 24 (3) 72.0	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/min									
0945	13.19	0.5		6.32	14.86	.603	—	-12	9.44	66.2	cloudy
1000	20.0	0.5	8.0	6.71	14.03	0.614	—	-25	5.64	12.4	clearing
1020	20.47	0.5	18.0	7.02	14.38	0.613	—	-47	0.85	45.8	clear
1040	20.49	0.5	28.0	6.89	14.42	0.615	—	-41	0.00	16.4	"
1100	20.50	0.5	38.0	7.02	14.61	0.614	—	-41	0.00	9.41	"
1120	20.50	0.5	48.0	7.13	14.56	0.614	—	-42	0.00	4.76	"
1140	20.50	0.5	58.0	7.31	14.28	0.620	—	-42	0.00	3.00	"
1200	20.51	0.5	68.0		M-SIED		—				"
1208	20.50	0.5	72.0	7.34	14.77	0.619	—	-39	0.00	2.28	"
~~1210~~		MAX									
1210	17.90	2.00		7.34	14.84	0.618	—	-38	0.00	1.56	clear
1215	16.60	2.00		7.33	15.94	0.623	—	-39	0.00	1.58	"
1220	15.	2.00		7.34	17.57	0.620	—	-40	0.00		—
		SAMPLED @	12:20								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Hach HI 98703 #453850X
Horiba U52 #G104296X

Signed / Sampler(s)

Roy Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RW~~06~~ 60	Location CAES property	Project Name: NPS	
Date: 7/20	Project #: 623027	Type of Pump: Geosub + Bladder	
	Placement of Pump Inlet (ft	Sampling Method: Geosub + Bladder Pump	
Time: 0915	Screen interval FTOC (ft): 150 - 300	Installed Well Depth (ft): 300 Low flow	
	Well Diameter (in): 2	DTP Top (ft):	
DTW (ft TOC): 0.0	MP Ht. Above Ground Surface (ft):	Sampler(s): M Gas	
Condition of Well Bottom: Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):		
Measured Well Depth (ft): 289.05	Notes: 144 gal purge	Geosub @ 150'	Bladder @ 285'

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L/min~~) L/min	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
0915	3.52	~~1~~ 1	10	6.60	19.00	0.472		-50	1.60	0.4	Clear
0945	5.21	1	40	7.22	16.93	0.406		-102	4.16	0.7	"
1015	5.43	1	80	7.63	16.92	0.398		-100	1.38	0.7	"
1045	5.40	1	120	7.79	16.96	0.402		-78	2.05	0.3	"
1115	5.36	1	150	7.72	16.94	0.404		-100	1.86	0.5	"
1140	0.72	0.3 L/m	155	7.80	23.67	0.402		-36	1.80	2.4	"
1145	0.82		157	7.85	23.52	0.401		-49	1.71	5.2	Clear
1150	0.79		160	7.78	23.01	0.404		-50	1.43	72	White tint
1155	0.80		162	7.73	23.17	0.403		-42	1.08	70	"
1200	0.81		165	7.83		0.42		-78	1.84	51.2	Clear
~~1250~~	~~0.~~	~~Sampl~~	~~@ 1300~~								
1255	0.82		168	7.84		0.402		-78	1.91	461	Clear
1300	0.82		170	7.85		0.403		-76	1.82	41	Clear
	Sampl @ 1300										

Switch to Bladder @ 285'

OBSERVATIONS (color/odor): Sulfur odor

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-161	Location: Farm field	Project Name: NPS	
Date: 7-20-2023	Project #: E23027	Type of Pump: GEO TECH	
	Placement of Pump Inlet (ft): 68'	Sampling Method:	
Time: 1240	Screen interval FTOC (ft): 64-74	Installed Well Depth (ft): 69	
	Well Diameter (in): 2"	DTP Top (ft): 0	
DTW (ft TOC): 14.80	MP Ht. Above Ground Surface (ft):	Sampler(s): Roy WAGner	
	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):		
Condition of Well Bottom: Soft	85°F (RF 94) E. 2mph 60% humidity		
Measured Well Depth (ft): 81.45	Notes: 79 x 0.16 = 12.64 (3) 37.92	40.0 Gallons	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		Bay MKN									
1250	15.20	0.25		7.44	16.41	0.520	—	-75	4.16	427	cloudy
1300	15.90	0.5	5.5	7.27	15.10	0.732	—	58	2.83	138.	cloudy
1310	16.20	1.0	15.5	7.20	14.45	0.766	—	55	0.00	10.5	clearing
1320	16.29	1.0	25.5	7.19	14.35	0.771	—	56	0.00	3.29	clear
1330	16.30	1.0	35.5	7.21	14.54	0.772	—	57	0.00	1.60	clear
1335	16.29	1.0	40.0	7.21	14.60	0.771	—	59	0.00	1.24	clear
		ML/MIN									
1340	15.80	300		7.21	15.21	0.773	—	58	0.00	1.07	clear
1345	15.45	300		7.22	16.41	0.773	—	55	0.00	0.81	"
1350	15.22	300		7.21	16.97	0.772	—	55	0.00	0.67	"
		Sampled @ 13:50									

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 # 0153890X
HORIBA U52 # 41042966

Signed / Sampler(s)

Roy Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-16S	Location: Farm field	Project Name: NPS	
Date: 7.20.23	Project #: E2302x	Type of Pump: GEO Tech	
	Placement of Pump Inlet (ft): 20'	Sampling Method: Conventional	
Time: 1400	Screen interval FTOC (ft): 18-38	Installed Well Depth (ft): 38	
	Well Diameter (in): 2"	DTP Top (ft):	
DTW (ft TOC): 13.97	MP Ht. Above Ground Surface (ft):	Sampler(s): Ray Wagner	
Condition of Well Bottom: firm	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): Sc (RF 98°F)		
Measured Well Depth (ft): 40.18	Notes: 38 × 0.16 = 6.08 (3) 18.24 Purged 20.0 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/MIN									
1405	14.50	0.5		7.25	16.74	0.531	—	95	6.44	512	cloudy Pale green
1415	14.68	0.5	5.0	7.17	16.45	0.531	—	95	4.90	481	"
1425	14.69	0.5	10.0	7.16	16.91	0.551	—	94	5.42	~~468~~	" (16S)
1435	14.69	0.5	15.0	7.16	16.17	0.552	—	94	1.90	399	clearing
1445	14.69	0.5	20.0	7.15	16.40	0.556	—	95	0.96	18.9	clear
		ML/MN									
1450	14.25	300		7.18	20.63	0.557	—	97	1.07	17.1	clear
1455	14.21	300	1500	7.09	21.04	0.546	—	101	0.76	17.8	clear
1500	14.20	300	3000	7.08	20.85	0.547	—	102	0.74	16.2	clear
			SAMPLED @ 15:00								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 #453590X
HORIBA U52 # U104296X

Signed / Sampler(s)

Ray Wagner

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA09_30-50	Location CAES		Project Name: NPS
Date: 7.20	Project #: E2302X		Type of Pump: Grosub
	Placement of Pump Inlet (ft 44'		Sampling Method: Grosub, low flow
Time: 1500	Screen interval FTOC (ft): 30-50		Installed Well Depth (ft): 49.87
	Well Diameter (in): 2		DTP Top (ft): N/A
DTW (ft TOC): 10.31	MP Ht. Above Ground Surface (ft):		Sampler(s): M. Grob
Condition of Well Bottom: Hard	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):		
Measured Well Depth (ft): 49.87	Notes: 50x0.16 = 8 x 3 = 24 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L~~/min) gal/m	Total Volume ~~(L)~~ G	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1500	10.56	0.5	10	7.00	23.61	0.404		-91	1.17	219	White tint
1530	11.32	0.5	25	6.72	20.69	0.400		-74	1.00	199	white tint
1545	11.46	0.5	32	6.60	18.45	0.405		-65	1.09	157	"
1600	11.43	0.1	35	6.14	19.95	0.444		-46	0.74	33.6	Clear
1605	11.21	0.1	35.5	6.40	21.09	0.454		-49	1.07	26.2	"
1610	11.17	0.1	36	6.37	21.13	0.451		-50	0.89	25.1	"
1615	11.14	0.1	36.5	6.34	21.11	0.450		-49	0.92	23.9	"
				Sample @ 1615							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

Y

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-345	Location OU2 property	Project Name: NPS	
Date: 7/21/23	Project #: E2302X	Type of Pump: Geosub	
	Placement of Pump Inlet (ft 34	Sampling Method: Low Flow	
Time: 8:45	Screen Interval FTOC (ft): 28-38	Installed Well Depth (ft): 38	
	Well Diameter (in): 2	DTP Top (ft):	
DTW (ft TOC): 11.58	MP Ht. Above Ground Surface (ft):	Sampler(s): Y. Kone	
Condition of Well Bottom: SOFT	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 69° Mostly cloudy SE 2mph		
Measured Well Depth (ft): 38.15	Notes: 38 x 0.16 = 6.08 x 3 = 18.24		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
			gal	±0.1	±0.5°		±3%	±10	±10%	<50 ±10%	
9:35		1	0	Started purging							
9:40	13.83	1	~~5~~	5.64	14.07		0.665	14	4.24	65.9	
9:00	13.93	1	~~6~~	5.70	14.13		0.670	1	0.48	23.7	6 gal
10:30	13.96		~~20~~	5.86	14.28		0.683	-12	0.0	7.85	25 gal
				Purge 3 well volumes							
10:40	12.84	0.5	27	5.94	15.22		0.690	-18	0.0	8.64	
10:45	12.91	0.5		5.92	14.80		0.686	-17	0.0	8.32	
10:00	12.89	0.5		5.91	15.03		0.685	-16	0.0	9.01	
10:55			Sampled NPS_RI-345_0723								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: R1-27D	Location OU2 property		Project Name: NPS
Date: 7/20/23	Project #: E23024		Type of Pump: Geosub, Bladder
	Placement of Pump Inlet (ft TOC): 300 / 305		Sampling Method: Low Flow
Time: 08:55	Screen interval FTOC (ft): 303-308		Installed Well Depth (ft): 308
	Well Diameter (in): 2		DTP Top (ft):
DTW (ft TOC): 15.10	MP Ht. Above Ground Surface (ft): -0.25		Sampler(s): Y. Kone
	~~Weather~~ Notes (sun/clear, ovrcast/rain, wind direction, ambient temp): 308 x 0.16 = 44.28 x 3 = 147.84		
Condition of Well Bottom: Soft			
Measured Well Depth (ft): 309	Weather Notes: 76° Partly Cloudy SW 3mph		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L/min~~)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal	±0.1	±0.5°		±3%	±10	±10%	<50 or ±10%	
9:10	15.10	1	0	started purging							
10:45	16.15	0.5	50	6.74	28.63		0.554	-6	0.80	34.7	
11:25	19.68	2.25	100	7.56	21.89		0.493	-57	1.17	6.69	
11:50		2.25	150	7.06	19.63		0.515	-66	0.82	6.59	
				purged 3 well volumes							107 ft tbg
1325	15.32	0.2	150	7.14	16.81		0.517	-69	0.46	31.5	
1330	15.33	0.2	151	6.92	15.78		0.546	-74	0.0	3.12	
1335	15.23	0.2	152	6.75	15.35		0.540	-71	0.0	2.35	
1340		sampled NPS_				R1-27D_		0723			

OBSERVATIONS (color/odor): rotten egg odor

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

R GROUNDWATER SAMPLING DATA SHEET

Well No: EPA01S-~~82~~ 59-82	Location Whistlestop	Project Name: NPS	
Date: 7.21-2023	Project #: E2302F	Type of Pump: 70 GeoTech	
	Placement of Pump Inlet (ft 70'	Sampling Method: Grundfos	
Time: 08:40	Screen interval FTOC (ft): 59-82	Installed Well Depth (ft):	
	Well Diameter (in): 2"	DTP Top (ft): 0	
DTW (ft TOC): 12.60	MP Ht. Above Ground Surface (ft):	Sampler(s): Roy WAGNER	
Condition of Well Bottom: soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 68°F (Rain overnight) Humid. 86% WNW 4 mph		
Measured Well Depth (ft): 81.88	Notes: 82×0.16 = 13.12 (3) 39.36 (40 Gallons)		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GAL/MIN									
0850	12.60	0.5		6.36	13.52	0.457	—	181	7.73	119	cloudy
0910	13.63	0.5	10	6.58	13.39	0.458	—	51	3.77	21.3	clear
0930	14.09	0.75	25	6.74	13.44	0.457	—	-9	0.73	3.72	clear
0950	14.10	0.75	40	6.83	13.04	0.457	—	-19	0.00	1.43	clear
		ML/MIN									
0955	13.34	300		6.84	13.75	0.455	—	-21	0.00	1.51	clear
1000	13.30	300		6.85	13.81	0.455	—	-22	0.00	1.52	"
1005	13.25	300		6.85	13.59	0.455	—	-23	0.00	1.31	"
			SAMPLED @	1005							

OBSERVATIONS (color/odor): No color or odor

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 # 45389085
HORIBA U52 # 41404965

Signed / Sampler(s)

Roy J Wagner

NO TUBING left in Well

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

R140S

Well No:	R140_30-75	Location	OU2 property	Project Name:	NPS
Date:	7.21.2023	Project #:	E23024	Type of Pump:	GeoTech
		Placement of Pump Inlet (ft	44.5	Sampling Method:	Conv.
Time:	1055	Screen interval FTOC (ft):	30-75	Installed Well Depth (ft):	75'
		Well Diameter (in):	2"	DTP Top (ft):	0
DTW (ft TOC):	11.55	MP Ht. Above Ground Surface (ft):		Sampler(s):	Ray Wagner
Condition of Well Bottom:	Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp):			
		84°F (92°F AC) WNW 1mph 86% humidity			
Measured Well Depth (ft):	75.40	Notes:	75 x 0.16 = 12 (3) 36 (40 gallons)		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		Gal/MN									
1058	11.56										
1110	1265	1.0		5.61	13.53	0.439	—	66	7.24	"OVR"	cloudy Grey
1130	14.48	1.0	20.	5.17	13.23	0.415	—	73	3.57	8.6.0	clearing
1145	14.70	1.0	35	5.13	13.20	0.421	—	68	1.88	16.6	clear
~~1205~~	~~—~~	~~1.0~~	~~—~~								
1150	14.75	1.0	40.	5.16	13.21	0.424	—	64	1.41	12.7	Clear
		ML/MN								5.36	
11 55	1265	300		5.28	14.20	0.460	—	51	1.01	[illegible]	clear
12 00	1250	300		5.30	14.24	0.399	—	56	0.76	3.18	clear
12 05	1245	300		5.36	14.40	0.402	—	52	0.48	2.92	clear
			Sampled @ 1205								

OBSERVATIONS (color/odor): NO Color / NO ODOR

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI U538940x
HORIBA U52 & U1404560x

Signed / Sampler(s)

Ray Wagner

* Pump would not lower past 44.5' WL meter went down with no problem

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RW-61	Location CAES property	Project Name: NPS	
Date: 7/19	Project #: 62302F	Type of Pump: Grundfos @ 145'	
	Placement of Pump Inlet (ft	Sampling Method:	
Time: 1400	Screen interval FTOC (ft): 50-150	Installed Well Depth (ft): 150	
	Well Diameter (in): 2	DTP Top (ft):	
DTW (ft TOC): 7.60	MP Ht. Above Ground Surface (ft):	Sampler(s): M. Gross	
Condition of Well Bottom: Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): Overcast 70s		
Measured Well Depth (ft): 149.18	Notes: 68 gallons to purge		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L~~/min)	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		g/min									
1400	7.93	0.5	5	6.71	23.20	0.401		-93	10.55	15.8	Clear
1430	7.62	0.5	~~20~~	6.72	19.76	0.395		-96	10.87	51.1	White tint
1445	7.51	0.5	~~35~~	6.56	19.04	0.411		-86	4.67	77.0	"
1500	7.48	0.5	50	6.57	17.84	0.419		-88	3.92	74.3	"
1515	7.45	0.5	65	6.95	18.43	0.379		-105	3.16	18.0	Clear
1525	7.46	0.5	70	6.94	18.60	0.401		-106	2.91	10.7	Clear
1540	7.46	0.5	85	6.90	18.62	0.401		-104	2.93	11.9	Clear
				Sample @		1545					

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA02D	Location: Whistlestop	Project Name: NPS	
Date: 07/18/2025	Project #: E2302x	Type of Pump: Geotech	
	Placement of Pump Inlet (ft	Sampling Method: Low Flow	
Time: 09:28	Screen interval FTOC (ft): 104-144	Installed Well Depth (ft): 144	
	Well Diameter (in): 2"	DTP Top (ft): 0	
DTW (ft TOC): 5.98	MP Ht. Above Ground Surface (ft):	Sampler(s): Roy NACHOL	
Condition of Well Bottom: SOFT	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 75°F Calm Humid		
Measured Well Depth (ft): 143.90	Notes: 144×0.16 = 23 gallons × 3 = 69 gallons		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GALLONS per/min			Purge 3 VOL						
1000	7.20	2.5	2.0								
1015	7.28	2.5	25								
1030	7.30	2.5	47.5								
1045	7.32	1.5	70.0								
			Low Flow								
		ML/MIN									
1050	6.32	200		7.67	20.33	0.309		-107	1.80	4.44	clear
1055	6.20	200		7.41	18.91	0.319		-116	0.01	4.16	" "
1100	6.20	200		7.31	18.29	0.319		-118	0.00	4.19	" "

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any): HANNA Turb HI98703 # 453870x

Hach 2100 Q # 41042960x

Roy J Wagner
Signed / Sampler(s)

Sampled @ 11:00

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA025	Location: Whistlestop	Project Name: NPS	
Date: 7-18-2023	Project #: E2302X	Type of Pump: GEO TECH	
	Placement of Pump Inlet (ft): 49'	Sampling Method:	
Time: 1120	Screen interval FTOC (ft): 30-66	Installed Well Depth (ft): 66	
	Well Diameter (in): 2"	DTP Top (ft): 0	
DTW (ft TOC): 5.90	MP Ht. Above Ground Surface (ft):	Sampler(s): Ray WAGNER	
Condition of Well Bottom:	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 80 Humid		
Measured Well Depth (ft): 65.85	Notes: 66 x 0.16 = 10.56 x 3 = 32.0		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		0.25 L/min = 0.06 Gal/min	Gal 5 min								
1132	5.90	0.25	1.25								
1140	5.99	0.50	3.75								
1200	5.99	0.50	13.75								
1220	5.99	0.50	23.75								
1240	5.99	0.50	33.75								
		L/MN		Low	Flow	to Stabilize					
1245	5.95	200		6.98	21.60	0.294	—	-97	0.00	2.75	clear
1250	5.91	"		6.75	19.54	0.304	—	-90	0.00	2.74	"
1255	5.90	"		6.73	18.70	0.310	—	-86	0.00	3.62	"
1300	5.90	"		6.71	18.40	0.314	—	-85	0.00	2.25	"

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI 98703 # 453890X
Horiba U52 # 41042866X

Ray Wagner
Signed / Sampler(s)

Sampled @ 13:00

Decon pump before setting into EPA 025

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-19BS	Location CAFS property	Project Name: NPS	
Date: 7.18.2023	Project #: E23024	Type of Pump:	
	Placement of Pump Inlet (ft	Sampling Method:	
Time: 14:10	Screen interval FTOC (ft): 46-56	Installed Well Depth (ft): 56	
	Well Diameter (in):	DTP Top (ft):	
DTW (ft TOC): 4.90	MP Ht. Above Ground Surface (ft):	Sampler(s):	
Condition of Well Bottom: Solid	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 91% CALM HUMID		
Measured Well Depth (ft): 56	Notes: 56 x 0.16 = 8.96 x 3 = 26.88		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate ~~(L/min)~~ Gal min	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1418	4.90	0.75	3.75								
1438	5.10	0.75	18.75								
1450	5.10	0.75	27.75								
—	—	ML/min 200									
1455	5.0	~~0.75~~		6.69	16.21	0.521	—	-87	1.44	0.48	Clear
1500	4.90	200		6.62	16.99	0.519	—	-84	0.00	0.25	"
1505	4.90	200		6.58	17.61	0.510	—	-82	0.00	0.20	"
1510	4.90	200		6.58	17.75	0.508	—	-80	0.00	0.22	"
	Sampled @		1510								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI98703 # 453890X
Horiba U52 # 41042562

Roy J Wagner
Signed (Sampler(s))

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No:	RI-19D	Location	CAES	Project Name:	NAS
Date:	7.19.2023	Project #:	E23024	Type of Pump:	GEO TECH
		Placement of Pump Inlet (ft	75'	Sampling Method:	Conventional
Time:	09:20	Screen interval FTOC (ft):	85-95	Installed Well Depth (ft):	95
		Well Diameter (in):	2"	DTP Top (ft):	0
DTW (ft TOC):	5.0	MP Ht. Above Ground Surface (ft):		Sampler(s):	Roy Wagner
Condition of Well Bottom:	firm	Weather (sun/clear, overcast/rain, wind direction, ambient temp):	72°F Calm NE 2mph 88% humidity		
Measured Well Depth (ft):	80'	Notes:	95 x 0.16 = 15.2 x 3 = 45.6		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		1.5 GAL/min									
0933	7.2	1.5	2	5.19	14.29	.497	—	131	1.26	3.16	clear
0945	8.61	1.5	16	5.53	14.01	.552	—	-17	0.16	0.98	" 16 gallons
0955	8.54	1.5	31	5.97	13.66	.557	—	-58	0.05	0.67	"
1005	8.30	1.5	46	6.09	13.62	.556	—	-63	0.00	0.51	"
		ML/MN									
1015	5.11	200		6.12	17.41	0.559	—	-63	0.00	0.94	clear
1020	5.01	200		6.20	15.07	0.554	—	-69	0.00	0.46	clear
1025	5.03	200		6.25	15.13	0.557	—	-74	0.00	0.52	"
1030	5.03	200		6.26	15.18	0.553	—	-75	0.00	0.55	"
		Sampled @ 1030									

OBSERVATIONS (color/odor): clear NO ODOR/color

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI
HORIBA U52 # 01

Roy Wagner
Signed / Sampler(s)

Left tubing in well

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RW-65	Location OU1 Property	Project Name: NPS	
Date: 7/19	Project #: E2302x	Type of Pump: Grundfos	
	Placement of Pump Inlet (ft	Sampling Method: Low Flow	
Time: 1015	Screen interval FTOC (ft): ~~39-49~~ 20-50	Installed Well Depth (ft): 50	
	Well Diameter (in): 6"	DTP Top (ft): 5	
DTW (ft TOC): 7.63	MP Ht. Above Ground Surface (ft):	Sampler(s): M. Grab	
Condition of Well Bottom: Very Soft	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): Overcast - 70, pump @ 40.0'		
Measured Well Depth (ft): 42.21	Notes: ~~Total 90~~ 156 Purge Volume		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate ~~(L/min)~~ gal/min	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
1015	9.92	1	5	6.29	23.00	0.437		-76	2.20	279	Brown tint
1045	10.86	1	35	6.48	18.53	0.399		-83	7.37	197	"
1115	11.32	1	65	6.50	16.47	0.393		-83	1.14	172	"
1145	11.16	1	95	6.29	16.08	0.388		-59	1.48	150	"
1215		1	125	5.94	15.95	0.330		29	1.56	38.7	Clear
1230		1	135	5.73	15.98	0.333		47	1.38	37.8	"
1245		1	145	5.67	16.01	0.337		49	1.23	37.1	"
1300		1	155	5.65	15.97	0.340		47	1.37	33.1	"

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

Sample @ 1300

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: W-6	Location: CAES property	Project Name: NPS
Date: 7/19/23	Project #: E23026	Type of Pump: GeoSub
	Placement of Pump Inlet (ft): 18	Sampling Method: Low Flow
Time: 13:30	Screen interval FTOC (ft): 10-36	Installed Well Depth (ft):
	Well Diameter (in): 2.5	DTP Top (ft): 36
DTW (ft TOC): 8.83	MP Ht. Above Ground Surface (ft):	Sampler(s): Y. Kane
Condition of Well Bottom: Soft	Weather (sun/clear, overcast/rain, wind direction, ambient temp): 76° ~~85~~ y.r. overcast W 4mph	
Measured Well Depth (ft): 32.94	Notes: 36x0.16=5.76x3=17.28	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
			gal	±0.1	±0.5°		±3%	±10	±10%	<50 or ±10%	
1400	11.71	3	5 gal	5.44	13.20		0.797	311	15.45	0.0	PID 0.5
1405	12.53	3	10	5.09	13.09		0.849	324	12.74	0.0	
1410	12.43	3	19	4.79	13.07		0.853	338	11.50	242	
				purged	3 well volumes						
1415	10.18	0.5	20	4.92	14.41		0.854	332	9.22	227	
1420	9.90	0.5	22.5	5.09	16.36		0.803	327	8.45	212	
1425	9.81	0.5	25	4.40	17.50		0.664	361	7.55	180	
1430	9.83	0.5	~~30~~	4.13	18.22		0.317	371	7.25	121	27.5 gal
1435	9.79	0.5	30	3.77	18.72		0.8[illegible]	388	8.88	287	0.00 m³/m
1440			sampled	NPS_W-6_0723							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any): Horiba turbidity malfunction, turbidity meter low battery

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

187-210

Well No: EPA09D	Location		Project Name:
Date: 7.19.2023	Project #: E2302X		Type of Pump: GEO TECH
	Placement of Pump Inlet (ft 195'		Sampling Method: CONV.
Time: 1130	Screen interval FTOC (ft): 187-210		Installed Well Depth (ft): 210
	Well Diameter (in): 2"		DTP Top (ft): 0
DTW (ft TOC): 13.40	MP Ht. Above Ground Surface (ft):		Sampler(s): Roy Wagner
Condition of Well Bottom: 2* NA	Weather (sun/clear, ovrcast/rain, wind direction, ambient temp): 72°F E 1 MPH, 89% HUMIDITY		
Measured Well Depth (ft): ? * NA	Notes: pump @ 195 for sample		210 x 0.16 = 33.6 (2) 100.8

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (L/min)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		GPM/MIN									
1130	NA	1.0		6.65	13.26	0.613	—	-109	0.11	10.7	clear
1200	51.90	1.0	10	6.85	13.70	0.658	—	-128	0.00	2.02	"
1230	53.10	0.5	25	6.95	13.48	0.655	—	-119	0.00	0.83	"
* 1300	65.90	0.5/1.0	50	7.01	13.55	0.623	-	-124	0.00	1.78	"
1335	67.01	0.5 to 1.0	80	7.17	13.70	0.608	-	-122	0.00	2.86	(65) SO GALLONS
1405	70.90	0.5	80	7.27	13.74	0.599	—	-125	0.00	2.97	clear
1435	75.30	0.5	96	7.32	13.67	0.594	—	-126	0.00	1.91	"
1441	76.0	0.5	101	7.33	13.91	0.595		-125	0.00	1.92	"
		ML/MIN 2000									
1445	70.07	200		7.33	14.91	0.596		-126	0.00	0.96	clear
1450	67.0	200		7.34	14.22	0.607		-125	0.00	0.34	"
1455	62.30	200		7.33	14.98	0.614		-123	0.00	0.12	"
1500	53.20	200		7.33	15.50	0.613		-123	0.00	0.13	"
		SAMPLED @	15:00								

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

HACH HI
HORIBA U52

Roy Wagner
Signed / Sampler(s)

*NA WL @ 200.' total length
NA WL not working properly / changed out @ 12:10

* Adjust Rate

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI-18D	Location: OU2 property	Project Name: NPS
Date: 7/19/23	Project #: E2302x	Type of Pump: geosub
	Placement of Pump Inlet (ft 87'	Sampling Method:
Time: 1145	Screen interval FTOC (ft):	Installed Well Depth (ft): 95
	Well Diameter (in): 2"	DTP Top (ft):
DTW (ft TOC): 7.43	MP Ht. Above Ground Surface (ft):	Sampler(s): MK
Condition of Well Bottom:	Weather (sun/clear, overcast/rain, Wind direction, ambient temp): 80°, humid, cloudy	
Measured Well Depth (ft): 90.1	Notes: 95 x 0.16 = 15.2 x 3 = 45.6	

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L/min~~)	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/m									
955	7.43	~~0.5~~	~~25~~								turbid, brown
1010		0.5	7.5								pump issues
1030	8.01	0.5	12g								Very turbid
1040	7.95	0.5	17g	6.86	20.47	0.635		-44	0	600	Pump at 45'
1050	7.95	0.5	22g	6.57	19.8	0.635		-28	0	340	clear
1100	7.8	0.5	27g	6.47	18.9	0.639		-17	0	220	
1120	7.2	0.5	37g	6.42	20.1	0.637		-18	0	64	
Start low flow - lower pump to 87'											
1125	7.6	200ml/m		6.38	20.6	0.638		-17	0		
1130	7.5	200ml		6.34	19.5	0.639		-14	0	28.7	
1135	7.5	200ml		6.35	19.3	0.636		-15	0	19.2	
1140	7.5	200ml		6.33	19.7	0.640		-14	0	13	
			Sample @ 1145								

1vol

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No:	EPA035	**Location**	Whistlestop	**Project Name:**	NPS
Date:	7/18/23	**Project #:**	E2302x	**Type of Pump:**	Geosub
		Placement of Pump Inlet (ft		**Sampling Method:**	3 volumes low flow
Time:		**Screen interval FTOC (ft):**	55-95	**Installed Well Depth (ft):**	95
		Well Diameter (in):		**DTP Top (ft):**	
DTW (ft TOC):	4.09	**MP Ht. Above Ground Surface (ft):**		**Sampler(s):**	MK
Condition of Well Bottom:	solid	**Weather** (sun/clear, ovrcast/rain, wind direction, ambient temp):			
Measured Well Depth (ft):	95.3	**Notes:**	91 x 0.16 = 14.6 x 3 = 43.68		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate ~~(L/min)~~	Total Volume ~~(L)~~	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
Start @ 1415											
1420	12.3	1.5gpm	6 gal	7.16	29.4	0.170		25	0	546	pump @ 45'
1430	5.45	1gpm	14gal	7.67	29.1	0.364		76	0		1 vol.
1450		0.75	29.9	8.08	23.6	0.419		56	0	108	2 vol
1500		0.759	36gal								
1507	4.01	0.75	~~225~~ 51								
Start		low flow						lower pump to 75'			
1510	4.01	purge issues		-		no flow		trouble shoot			
1535		300ml/m 43		7.59	23.6	0.418		43	6.2		pump @ 70'
1540	4.12	300		7.61	21.4	0.419		27	5.4	911	
1545	4.11	300ml		7.58	23.10	0.419		22	4.7	874	
1550	4.12	300		7.57	23.3	0.414		21	4.2	922	
				Sample @ 1555							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: EPA03D	Location: Whistlestop	Project Name: NPS	
Date: 7/18/23	Project #: E2302X	Type of Pump: geosub	
	Placement of Pump Inlet (ft): 165'	Sampling Method: grab low flow	
Time:	Screen interval FTOC (ft): 137-189	Installed Well Depth (ft): + 3 well vol	
	Well Diameter (in): 2"	DTP Top (ft): ↳ 189ft	
DTW (ft TOC): 4.16	MP Ht. Above Ground Surface (ft):	Sampler(s):	
Condition of Well Bottom: soft	Weather (sun) clear, ovrcast/rain, wind direction, ambient temp): humid 82°		
Measured Well Depth (ft): 188.8	Notes: 184 x 0.16 = 29.6 x 3 = 88.8 PID 1.4 ppm		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate ~~(L/min)~~	Total Volume (L)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gpm									
1005	4.36	1.5gpm									Pump at 90'
1020	4.25	1gpm	22	6.27	25.36	0.523		-98	3.4	77.8	gray
1 vol 1030	stop	30 g total	stop	check tubing ✓							Pump @ 52'
1035		1.5gpm									
1040		1.5gpm	45gal	7.03	21.8	0.379		-136	0	51.2	
1050	stop	→ 50.1	manifests								
~~2 vol~~ 1110	start	1.5gpm	~~60g~~								
2 vol 1120	4.5	1.5gpm	60g	7.04	21.5	0.349		-125	0	11.2	clear
3 vol 1140	4.55	1.5	90gal	start low flow							
low	flow										
1145	4.5	400 ml/m	90g.	7.56	21.37	0.350		-118	0	11.6	clear
1155	4.5	400ml		7.50	21.89	0.349		-119	0		
1200	4.5	400ml		7.44	23.10	0.344		-115	0	11.1	
1205	4.5	400ml		7.37	23.5	0.358		-114	0		
1210	4.5	400ml		7.37	23.8	0.355		-119	0	11.7	
				Sample @ 1215							

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

GROUNDWATER SAMPLING DATA SHEET

Well No: RI BS	**Location** 642 Property	**Project Name:** NPS	
Date: 7/19/23	**Project #:** E2302e	**Type of Pump:** geosub	
	Placement of Pump Inlet (ft 54	**Sampling Method:**	
Time:	**Screen interval FTOC (ft):** 44-64	**Installed Well Depth (ft):** 64	
	Well Diameter (in): 2"	**DTP Top (ft):**	
DTW (ft TOC): 7.4	**MP Ht. Above Ground Surface (ft):**	**Sampler(s):** MW	
Condition of Well Bottom:	**Weather (sun/clear, overcast/rain, wind direction, ambient temp):** hum. d, 85°, cloudy		
Measured Well Depth (ft): 63.6	**Notes:** 64×0.16 = 10.24×3 = 30.72		

Field Parameters and Stabilization Values

Time	Depth to Water (ft)	Flow Rate (~~L/min~~)	Total Volume (~~L~~)	pH	Temp (deg C)	Cond (umhos/cm)	Sp. Cond (umhos/cm)	ORP (mV)	DO (mg/L)	Turb (NTU)	Notes/ Type, Size, and Amount of Sediment Discharged
		gal/min	gal								
205	Start										
1410	⊗	0.5	2.5gal	6.09	18.6	1.42		100	0		very turbid, brown
1420	flow rate		problems								
1430			8gal	5.65	18.8	1.41		160	0	710	
1440		0.5	12gal	5.6	17.6	1.41		153	0	400	
1450		0.5	17gal	5.49	17.2	1.38		169		100	
1500	0.75	~~0.5~~	24gal	5.47	16.6	1.36		154		52	
1505	1gpm	~~0.75~~	29gal	5.42	17.4	1.31		221			
low	flow										
1510	300ml/m			5.44	17.9	1.30		233	0	51	
1515				5.52	19.8	1.27		234	0	45.8	
1520			30gal	5.54	20.7	1.26		226	0	40.0	
1525	7.2			5.54	20.6	1.26		224	0	44.8	
	sample @ 1530			collect		Duplicate					

OBSERVATIONS (color/odor):

HACH Alkalinity:		mg/L methyl orange as $CaCO_3$
HACH Sulfide:		mg/L
HACH Sulfate:		mg/L
HACH Manganese:		mg/L
HACH Ferrous Iron:		mg/L

REQUIRED MAINTENANCE (if any):

Signed / Sampler(s)

⊗ WL meter not working

DTP = Depth to Product MP = Measuring Point NA = Not Applicable DTW = Depth to Water TOC = Top of Casing

ATTACHMENT 8

PFAS IDW SAMPLE RESULTS

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Andrea Fletcher
HydroGeoLogic Inc
6340 Glenwood, Suite 200
Building #7
Overland Park, Kansas 66202

Generated 7/24/2023 7:22:23 AM

JOB DESCRIPTION

North Penn 5

JOB NUMBER

410-128639-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
7/24/2023 7:22:23 AM

Authorized for release by
Vanessa Badman, Project Manager
Vanessa.Badman@et.eurofinsus.com
(717)556-9762

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Client: HydroGeoLogic Inc
Job ID: 410-128639-1
Project/Site: North Penn 5

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-128639-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-128639-1

Receipt

The samples were received on 5/31/2023 11:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

PFAS

Method PFC_IDA: The recovery for target analyte Perfluorohexanoic acid is outside the QC acceptance limits in the opening continuing calibration verification standard. Since the result is high and target Perfluorohexanoic acid is not detected in the following sample: NP5-IDW_FB_ (410-128639-1), the data is reported.

Method PFC_IDA: Reporting limits were raised for the following sample: NP5-IDW10_A579 (410-128639-2) due to limited sample volume.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Client Sample ID: NP5-IDW_FB_ — Lab Sample ID: 410-128639-1

No Detections.

Client Sample ID: NP5-IDW10_A579 — Lab Sample ID: 410-128639-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	1.4	J cn	2.2	0.22	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	1.1	J cn	2.2	0.33	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	2.9	cn	2.2	0.33	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	0.26	J cn	2.2	0.22	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	0.40	J cn	2.2	0.33	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	0.89	J cn	2.2	0.22	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	4.3	cn	2.2	0.55	ng/L	1		T-WI14355 r14	Total/NA

Client Sample ID: NP5-IDW11_A2280 — Lab Sample ID: 410-128639-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	4.8		1.9	0.19	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	2.2		1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	6.1		1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	0.72	J	1.9	0.19	ng/L	1		T-WI14355 r14	Total/NA
Perfluorodecanoic acid	0.39	J	1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	1.5	J	1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	15		1.9	0.19	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	38		1.9	0.48	ng/L	1		T-WI14355 r14	Total/NA
NMeFOSAA	0.42	J	1.9	0.39	ng/L	1		T-WI14355 r14	Total/NA

Client Sample ID: NP5-IDW15_A1017 — Lab Sample ID: 410-128639-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	1.5	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	1.5	J	2.0	0.30	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	3.6		2.0	0.30	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	0.57	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	0.53	J	2.0	0.30	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	1.5	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	3.2		2.0	0.50	ng/L	1		T-WI14355 r14	Total/NA

Client Sample ID: NP5-IDW1-A2937 — Lab Sample ID: 410-128639-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	1.6	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	1.3	J	2.0	0.30	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	2.4		2.0	0.30	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	0.58	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	0.33	J	2.0	0.30	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	1.7	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	25		2.0	0.50	ng/L	1		T-WI14355 r14	Total/NA

Client Sample ID: NP5-IDW3_A1956 — Lab Sample ID: 410-128639-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	14		1.9	0.19	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	19		1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	42		1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	23		1.9	0.19	ng/L	1		T-WI14355 r14	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: NP5-IDW3_A1956 (Continued)

Lab Sample ID: 410-128639-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid	20		1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	1.4	J	1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	5.2		1.9	0.19	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	160		1.9	0.48	ng/L	1		T-WI14355 r14	Total/NA
HFPODA	0.88	J	1.9	0.38	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroundecanoic acid	1.8	J	1.9	0.29	ng/L	1		T-WI14355 r14	Total/NA

Client Sample ID: NP5-IDW5_A392

Lab Sample ID: 410-128639-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	1.2	J	1.7	0.17	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	1.0	J	1.7	0.25	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	3.0		1.7	0.25	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	0.30	J	1.7	0.17	ng/L	1		T-WI14355 r14	Total/NA
Perfluorodecanoic acid	0.28	J	1.7	0.25	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	0.63	J	1.7	0.25	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	7.4		1.7	0.17	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	22		1.7	0.42	ng/L	1		T-WI14355 r14	Total/NA
NMeFOSAA	2.5		1.7	0.34	ng/L	1		T-WI14355 r14	Total/NA

Client Sample ID: NP5-IDW7_A1964

Lab Sample ID: 410-128639-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	3.5		2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluoroheptanoic acid	1.7	J	2.0	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanoic acid	2.7		2.0	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorononanoic acid	0.46	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluorodecanoic acid	0.29	J I	2.0	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorobutanesulfonic acid	0.53	J	2.0	0.29	ng/L	1		T-WI14355 r14	Total/NA
Perfluorohexanesulfonic acid	1.0	J	2.0	0.20	ng/L	1		T-WI14355 r14	Total/NA
Perfluorooctanesulfonic acid	4.8	I	2.0	0.49	ng/L	1		T-WI14355 r14	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: NP5-IDW_FB_

Date Collected: 05/25/23 15:00
Date Received: 05/31/23 11:11

Lab Sample ID: 410-128639-1
Matrix: Water

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND	cn	1.7	0.17	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluoroheptanoic acid	ND		1.7	0.26	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorooctanoic acid	ND		1.7	0.26	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorononanoic acid	ND		1.7	0.17	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorodecanoic acid	ND		1.7	0.26	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorotridecanoic acid	ND		1.7	0.35	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorotetradecanoic acid	ND		1.7	0.35	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorobutanesulfonic acid	ND		1.7	0.26	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorohexanesulfonic acid	ND		1.7	0.17	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorooctanesulfonic acid	ND		1.7	0.44	ng/L		06/22/23 08:47	06/29/23 01:25	1
NEtFOSAA	ND		1.7	0.44	ng/L		06/22/23 08:47	06/29/23 01:25	1
NMeFOSAA	ND		1.7	0.35	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluorododecanoic acid	ND		1.7	0.35	ng/L		06/22/23 08:47	06/29/23 01:25	1
HFPODA	ND		1.7	0.35	ng/L		06/22/23 08:47	06/29/23 01:25	1
9Cl-PF3ONS	ND		1.7	0.44	ng/L		06/22/23 08:47	06/29/23 01:25	1
11Cl-PF3OUdS	ND		1.7	0.44	ng/L		06/22/23 08:47	06/29/23 01:25	1
DONA	ND		1.7	0.44	ng/L		06/22/23 08:47	06/29/23 01:25	1
Perfluoroundecanoic acid	ND		1.7	0.26	ng/L		06/22/23 08:47	06/29/23 01:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFHxA	*113*		*24 - 179*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C4 PFHpA	*116*		*31 - 182*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C8 PFOA	*110*		*48 - 162*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C9 PFNA	*118*		*51 - 167*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C6 PFDA	*103*		*49 - 163*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C2-PFDoDA	*114*		*17 - 176*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C2 PFTeDA	*122*		*10 - 179*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C3 PFBS	*113*		*16 - 200*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C3 PFHxS	*120*		*28 - 188*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C8 PFOS	*113*		*51 - 159*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
d3-NMeFOSAA	*113*		*31 - 174*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
d5-NEtFOSAA	*115*		*29 - 195*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C3 HFPO-DA	*115*		*17 - 185*	*06/22/23 08:47*	*06/29/23 01:25*	*1*
13C7 PFUnA	*105*		*34 - 174*	*06/22/23 08:47*	*06/29/23 01:25*	*1*

Client Sample ID: NP5-IDW10_A579

Date Collected: 05/25/23 13:40
Date Received: 05/31/23 11:11

Lab Sample ID: 410-128639-2
Matrix: Water

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**1.4**	**J cn**	2.2	0.22	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluoroheptanoic acid	**1.1**	**J cn**	2.2	0.33	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorooctanoic acid	**2.9**	**cn**	2.2	0.33	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorononanoic acid	**0.26**	**J cn**	2.2	0.22	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorodecanoic acid	ND	cn	2.2	0.33	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorotridecanoic acid	ND	cn	2.2	0.44	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorotetradecanoic acid	ND	cn	2.2	0.44	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorobutanesulfonic acid	**0.40**	**J cn**	2.2	0.33	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorohexanesulfonic acid	**0.89**	**J cn**	2.2	0.22	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorooctanesulfonic acid	**4.3**	**cn**	2.2	0.55	ng/L		06/22/23 08:47	06/30/23 11:49	1

Client Sample ID: NP5-IDW10_A579

Lab Sample ID: 410-128639-2

Date Collected: 05/25/23 13:40

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND	cn	2.2	0.55	ng/L		06/22/23 08:47	06/30/23 11:49	1
NMeFOSAA	ND	cn	2.2	0.44	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluorododecanoic acid	ND	cn	2.2	0.44	ng/L		06/22/23 08:47	06/30/23 11:49	1
HFPODA	ND	cn	2.2	0.44	ng/L		06/22/23 08:47	06/30/23 11:49	1
9Cl-PF3ONS	ND	cn	2.2	0.55	ng/L		06/22/23 08:47	06/30/23 11:49	1
11Cl-PF3OUdS	ND	cn	2.2	0.55	ng/L		06/22/23 08:47	06/30/23 11:49	1
DONA	ND	cn	2.2	0.55	ng/L		06/22/23 08:47	06/30/23 11:49	1
Perfluoroundecanoic acid	ND	cn	2.2	0.33	ng/L		06/22/23 08:47	06/30/23 11:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFHxA	*98*	*cn*	*24 - 179*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C4 PFHpA	*115*	*cn*	*31 - 182*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C8 PFOA	*103*	*cn*	*48 - 162*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C9 PFNA	*112*	*cn*	*51 - 167*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C6 PFDA	*88*	*cn*	*49 - 163*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C2-PFDoDA	*94*	*cn*	*17 - 176*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C2 PFTeDA	*100*	*cn*	*10 - 179*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C3 PFBS	*123*	*cn*	*16 - 200*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C3 PFHxS	*118*	*cn*	*28 - 188*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C8 PFOS	*105*	*cn*	*51 - 159*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
d3-NMeFOSAA	*108*	*cn*	*31 - 174*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
d5-NEtFOSAA	*95*	*cn*	*29 - 195*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C3 HFPO-DA	*113*	*cn*	*17 - 185*	*06/22/23 08:47*	*06/30/23 11:49*	*1*
13C7 PFUnA	*84*	*cn*	*34 - 174*	*06/22/23 08:47*	*06/30/23 11:49*	*1*

Client Sample ID: NP5-IDW11_A2280

Lab Sample ID: 410-128639-3

Date Collected: 05/25/23 13:50

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**4.8**		1.9	0.19	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluoroheptanoic acid	**2.2**		1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorooctanoic acid	**6.1**		1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorononanoic acid	**0.72**	**J**	1.9	0.19	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorodecanoic acid	**0.39**	**J**	1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorotridecanoic acid	ND		1.9	0.39	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorotetradecanoic acid	ND		1.9	0.39	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorobutanesulfonic acid	**1.5**	**J**	1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorohexanesulfonic acid	**15**		1.9	0.19	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorooctanesulfonic acid	**38**		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:02	1
NEtFOSAA	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:02	1
NMeFOSAA	**0.42**	**J**	1.9	0.39	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluorododecanoic acid	ND		1.9	0.39	ng/L		06/22/23 08:47	06/30/23 12:02	1
HFPODA	ND		1.9	0.39	ng/L		06/22/23 08:47	06/30/23 12:02	1
9Cl-PF3ONS	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:02	1
11Cl-PF3OUdS	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:02	1
DONA	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:02	1
Perfluoroundecanoic acid	ND		1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:02	1

Client Sample ID: NP5-IDW11_A2280

Lab Sample ID: 410-128639-3

Date Collected: 05/25/23 13:50

Matrix: Water

Date Received: 05/31/23 11:11

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	131		24 - 179	06/22/23 08:47	06/30/23 12:02	1
13C4 PFHpA	97		31 - 182	06/22/23 08:47	06/30/23 12:02	1
13C8 PFOA	102		48 - 162	06/22/23 08:47	06/30/23 12:02	1
13C9 PFNA	115		51 - 167	06/22/23 08:47	06/30/23 12:02	1
13C6 PFDA	101		49 - 163	06/22/23 08:47	06/30/23 12:02	1
13C2-PFDoDA	101		17 - 176	06/22/23 08:47	06/30/23 12:02	1
13C2 PFTeDA	92		10 - 179	06/22/23 08:47	06/30/23 12:02	1
13C3 PFBS	121		16 - 200	06/22/23 08:47	06/30/23 12:02	1
13C3 PFHxS	119		28 - 188	06/22/23 08:47	06/30/23 12:02	1
13C8 PFOS	107		51 - 159	06/22/23 08:47	06/30/23 12:02	1
d3-NMeFOSAA	115		31 - 174	06/22/23 08:47	06/30/23 12:02	1
d5-NEtFOSAA	103		29 - 195	06/22/23 08:47	06/30/23 12:02	1
13C3 HFPO-DA	131		17 - 185	06/22/23 08:47	06/30/23 12:02	1
13C7 PFUnA	102		34 - 174	06/22/23 08:47	06/30/23 12:02	1

Client Sample ID: NP5-IDW15_A1017

Lab Sample ID: 410-128639-4

Date Collected: 05/25/23 14:10

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**1.5**	**J**	2.0	0.20	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluoroheptanoic acid	**1.5**	**J**	2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorooctanoic acid	**3.6**		2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorononanoic acid	**0.57**	**J**	2.0	0.20	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorodecanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorotridecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorotetradecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorobutanesulfonic acid	**0.53**	**J**	2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorohexanesulfonic acid	**1.5**	**J**	2.0	0.20	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorooctanesulfonic acid	**3.2**		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:14	1
NEtFOSAA	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:14	1
NMeFOSAA	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluorododecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:14	1
HFPODA	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:14	1
9Cl-PF3ONS	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:14	1
11Cl-PF3OUdS	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:14	1
DONA	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:14	1
Perfluoroundecanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	129		24 - 179	06/22/23 08:47	06/30/23 12:14	1
13C4 PFHpA	111		31 - 182	06/22/23 08:47	06/30/23 12:14	1
13C8 PFOA	99		48 - 162	06/22/23 08:47	06/30/23 12:14	1
13C9 PFNA	112		51 - 167	06/22/23 08:47	06/30/23 12:14	1
13C6 PFDA	96		49 - 163	06/22/23 08:47	06/30/23 12:14	1
13C2-PFDoDA	85		17 - 176	06/22/23 08:47	06/30/23 12:14	1
13C2 PFTeDA	80		10 - 179	06/22/23 08:47	06/30/23 12:14	1
13C3 PFBS	102		16 - 200	06/22/23 08:47	06/30/23 12:14	1
13C3 PFHxS	124		28 - 188	06/22/23 08:47	06/30/23 12:14	1
13C8 PFOS	117		51 - 159	06/22/23 08:47	06/30/23 12:14	1
d3-NMeFOSAA	108		31 - 174	06/22/23 08:47	06/30/23 12:14	1

Client Sample ID: NP5-IDW15_A1017
Lab Sample ID: 410-128639-4
Date Collected: 05/25/23 14:10
Matrix: Water
Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14 (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	99		29 - 195	06/22/23 08:47	06/30/23 12:14	1
13C3 HFPO-DA	99		17 - 185	06/22/23 08:47	06/30/23 12:14	1
13C7 PFUnA	88		34 - 174	06/22/23 08:47	06/30/23 12:14	1

Client Sample ID: NP5-IDW1-A2937
Lab Sample ID: 410-128639-5
Date Collected: 05/25/23 13:00
Matrix: Water
Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**1.6**	**J**	2.0	0.20	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluoroheptanoic acid	**1.3**	**J**	2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorooctanoic acid	**2.4**		2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorononanoic acid	**0.58**	**J**	2.0	0.20	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorodecanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorotridecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorotetradecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorobutanesulfonic acid	**0.33**	**J**	2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorohexanesulfonic acid	**1.7**	**J**	2.0	0.20	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorooctanesulfonic acid	**25**		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:27	1
NEtFOSAA	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:27	1
NMeFOSAA	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluorododecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:27	1
HFPODA	ND		2.0	0.40	ng/L		06/22/23 08:47	06/30/23 12:27	1
9Cl-PF3ONS	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:27	1
11Cl-PF3OUdS	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:27	1
DONA	ND		2.0	0.50	ng/L		06/22/23 08:47	06/30/23 12:27	1
Perfluoroundecanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/30/23 12:27	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	115		24 - 179	06/22/23 08:47	06/30/23 12:27	1
13C4 PFHpA	96		31 - 182	06/22/23 08:47	06/30/23 12:27	1
13C8 PFOA	90		48 - 162	06/22/23 08:47	06/30/23 12:27	1
13C9 PFNA	88		51 - 167	06/22/23 08:47	06/30/23 12:27	1
13C6 PFDA	75		49 - 163	06/22/23 08:47	06/30/23 12:27	1
13C2-PFDoDA	74		17 - 176	06/22/23 08:47	06/30/23 12:27	1
13C2 PFTeDA	76		10 - 179	06/22/23 08:47	06/30/23 12:27	1
13C3 PFBS	102		16 - 200	06/22/23 08:47	06/30/23 12:27	1
13C3 PFHxS	111		28 - 188	06/22/23 08:47	06/30/23 12:27	1
13C8 PFOS	95		51 - 159	06/22/23 08:47	06/30/23 12:27	1
d3-NMeFOSAA	78		31 - 174	06/22/23 08:47	06/30/23 12:27	1
d5-NEtFOSAA	80		29 - 195	06/22/23 08:47	06/30/23 12:27	1
13C3 HFPO-DA	123		17 - 185	06/22/23 08:47	06/30/23 12:27	1
13C7 PFUnA	74		34 - 174	06/22/23 08:47	06/30/23 12:27	1

Client Sample ID: NP5-IDW3_A1956

Lab Sample ID: 410-128639-6

Date Collected: 05/25/23 13:10

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	14		1.9	0.19	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluoroheptanoic acid	19		1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorooctanoic acid	42		1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorononanoic acid	23		1.9	0.19	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorodecanoic acid	20		1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorotridecanoic acid	ND		1.9	0.38	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorotetradecanoic acid	ND		1.9	0.38	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorobutanesulfonic acid	1.4	J	1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorohexanesulfonic acid	5.2		1.9	0.19	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorooctanesulfonic acid	160		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:39	1
NEtFOSAA	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:39	1
NMeFOSAA	ND		1.9	0.38	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluorododecanoic acid	ND		1.9	0.38	ng/L		06/22/23 08:47	06/30/23 12:39	1
HFPODA	0.88	J	1.9	0.38	ng/L		06/22/23 08:47	06/30/23 12:39	1
9Cl-PF3ONS	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:39	1
11Cl-PF3OUdS	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:39	1
DONA	ND		1.9	0.48	ng/L		06/22/23 08:47	06/30/23 12:39	1
Perfluoroundecanoic acid	1.8	J	1.9	0.29	ng/L		06/22/23 08:47	06/30/23 12:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFHxA	*131*		*24 - 179*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C4 PFHpA	*113*		*31 - 182*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C8 PFOA	*111*		*48 - 162*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C9 PFNA	*128*		*51 - 167*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C6 PFDA	*118*		*49 - 163*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C2-PFDoDA	*90*		*17 - 176*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C2 PFTeDA	*81*		*10 - 179*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C3 PFBS	*107*		*16 - 200*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C3 PFHxS	*119*		*28 - 188*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C8 PFOS	*125*		*51 - 159*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
d3-NMeFOSAA	*111*		*31 - 174*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
d5-NEtFOSAA	*109*		*29 - 195*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C3 HFPO-DA	*126*		*17 - 185*	*06/22/23 08:47*	*06/30/23 12:39*	*1*
13C7 PFUnA	*100*		*34 - 174*	*06/22/23 08:47*	*06/30/23 12:39*	*1*

Client Sample ID: NP5-IDW5_A392

Lab Sample ID: 410-128639-7

Date Collected: 05/25/23 13:20

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.2	J	1.7	0.17	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluoroheptanoic acid	1.0	J	1.7	0.25	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorooctanoic acid	3.0		1.7	0.25	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorononanoic acid	0.30	J	1.7	0.17	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorodecanoic acid	0.28	J	1.7	0.25	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorotridecanoic acid	ND		1.7	0.34	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorotetradecanoic acid	ND		1.7	0.34	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorobutanesulfonic acid	0.63	J	1.7	0.25	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorohexanesulfonic acid	7.4		1.7	0.17	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorooctanesulfonic acid	22		1.7	0.42	ng/L		06/22/23 08:47	07/06/23 14:52	1

Client Sample ID: NP5-IDW5_A392

Lab Sample ID: 410-128639-7

Date Collected: 05/25/23 13:20

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.7	0.42	ng/L		06/22/23 08:47	07/06/23 14:52	1
NMeFOSAA	**2.5**		1.7	0.34	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluorododecanoic acid	ND		1.7	0.34	ng/L		06/22/23 08:47	07/06/23 14:52	1
HFPODA	ND		1.7	0.34	ng/L		06/22/23 08:47	07/06/23 14:52	1
9Cl-PF3ONS	ND		1.7	0.42	ng/L		06/22/23 08:47	07/06/23 14:52	1
11Cl-PF3OUdS	ND		1.7	0.42	ng/L		06/22/23 08:47	07/06/23 14:52	1
DONA	ND		1.7	0.42	ng/L		06/22/23 08:47	07/06/23 14:52	1
Perfluoroundecanoic acid	ND		1.7	0.25	ng/L		06/22/23 08:47	07/06/23 14:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFHxA	*114*		*24 - 179*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C4 PFHpA	*104*		*31 - 182*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C8 PFOA	*99*		*48 - 162*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C9 PFNA	*107*		*51 - 167*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C6 PFDA	*126*		*49 - 163*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C2-PFDoDA	*90*		*17 - 176*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C2 PFTeDA	*106*		*10 - 179*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C3 PFBS	*124*		*16 - 200*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C3 PFHxS	*118*		*28 - 188*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C8 PFOS	*111*		*51 - 159*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
d3-NMeFOSAA	*127*		*31 - 174*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
d5-NEtFOSAA	*105*		*29 - 195*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C3 HFPO-DA	*148*		*17 - 185*	*06/22/23 08:47*	*07/06/23 14:52*	*1*
13C7 PFUnA	*115*		*34 - 174*	*06/22/23 08:47*	*07/06/23 14:52*	*1*

Client Sample ID: NP5-IDW7_A1964

Lab Sample ID: 410-128639-8

Date Collected: 05/25/23 13:30

Matrix: Water

Date Received: 05/31/23 11:11

Method: ELLE - Lancaster T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**3.5**		2.0	0.20	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluoroheptanoic acid	**1.7**	**J**	2.0	0.29	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorooctanoic acid	**2.7**		2.0	0.29	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorononanoic acid	**0.46**	**J**	2.0	0.20	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorodecanoic acid	**0.29**	**J I**	2.0	0.29	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorotridecanoic acid	ND		2.0	0.39	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorotetradecanoic acid	ND		2.0	0.39	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorobutanesulfonic acid	**0.53**	**J**	2.0	0.29	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorohexanesulfonic acid	**1.0**	**J**	2.0	0.20	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorooctanesulfonic acid	**4.8**	**I**	2.0	0.49	ng/L		06/22/23 08:47	07/06/23 15:04	1
NEtFOSAA	ND		2.0	0.49	ng/L		06/22/23 08:47	07/06/23 15:04	1
NMeFOSAA	ND		2.0	0.39	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluorododecanoic acid	ND		2.0	0.39	ng/L		06/22/23 08:47	07/06/23 15:04	1
HFPODA	ND		2.0	0.39	ng/L		06/22/23 08:47	07/06/23 15:04	1
9Cl-PF3ONS	ND		2.0	0.49	ng/L		06/22/23 08:47	07/06/23 15:04	1
11Cl-PF3OUdS	ND		2.0	0.49	ng/L		06/22/23 08:47	07/06/23 15:04	1
DONA	ND		2.0	0.49	ng/L		06/22/23 08:47	07/06/23 15:04	1
Perfluoroundecanoic acid	ND		2.0	0.29	ng/L		06/22/23 08:47	07/06/23 15:04	1

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Client Sample ID: NP5-IDW7_A1964
Date Collected: 05/25/23 13:30
Date Received: 05/31/23 11:11

Lab Sample ID: 410-128639-8
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	106		24 - 179	06/22/23 08:47	07/06/23 15:04	1
13C4 PFHpA	107		31 - 182	06/22/23 08:47	07/06/23 15:04	1
13C8 PFOA	106		48 - 162	06/22/23 08:47	07/06/23 15:04	1
13C9 PFNA	133		51 - 167	06/22/23 08:47	07/06/23 15:04	1
13C6 PFDA	107		49 - 163	06/22/23 08:47	07/06/23 15:04	1
13C2-PFDoDA	92		17 - 176	06/22/23 08:47	07/06/23 15:04	1
13C2 PFTeDA	75		10 - 179	06/22/23 08:47	07/06/23 15:04	1
13C3 PFBS	123		16 - 200	06/22/23 08:47	07/06/23 15:04	1
13C3 PFHxS	116		28 - 188	06/22/23 08:47	07/06/23 15:04	1
13C8 PFOS	120		51 - 159	06/22/23 08:47	07/06/23 15:04	1
d3-NMeFOSAA	111		31 - 174	06/22/23 08:47	07/06/23 15:04	1
d5-NEtFOSAA	102		29 - 195	06/22/23 08:47	07/06/23 15:04	1
13C3 HFPO-DA	147		17 - 185	06/22/23 08:47	07/06/23 15:04	1
13C7 PFUnA	92		34 - 174	06/22/23 08:47	07/06/23 15:04	1

Isotope Dilution Summary

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Method: T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	PFDoDA	PFTDA	C3PFBS
Lab Sample ID	Client Sample ID	(24-179)	(31-182)	(48-162)	(51-167)	(49-163)	(17-176)	(10-179)	(16-200)
410-128639-1	NP5-IDW_FB_	113	116	110	118	103	114	122	113
410-128639-2	NP5-IDW10_A579	98 cn	115 cn	103 cn	112 cn	88 cn	94 cn	100 cn	123 cn
410-128639-3	NP5-IDW11_A2280	131	97	102	115	101	101	92	121
410-128639-4	NP5-IDW15_A1017	129	111	99	112	96	85	80	102
410-128639-5	NP5-IDW1-A2937	115	96	90	88	75	74	76	102
410-128639-6	NP5-IDW3_A1956	131	113	111	128	118	90	81	107
410-128639-7	NP5-IDW5_A392	114	104	99	107	126	90	106	124
410-128639-8	NP5-IDW7_A1964	106	107	106	133	107	92	75	123
LCS 410-389585/2-A	Lab Control Sample	111	121	113	94	102	106	111	125
LCSD 410-389585/3-A	Lab Control Sample Dup	120	116	110	111	106	108	107	130
MB 410-389585/1-A	Method Blank	112	103	100	91	98	95	95	106

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		C3PFHS	C8PFOS	d3NMFOS	d5NEFOS	HFPODA	13C7PUA		
Lab Sample ID	Client Sample ID	(28-188)	(51-159)	(31-174)	(29-195)	(17-185)	(34-174)		
410-128639-1	NP5-IDW_FB_	120	113	113	115	115	105		
410-128639-2	NP5-IDW10_A579	118 cn	105 cn	108 cn	95 cn	113 cn	84 cn		
410-128639-3	NP5-IDW11_A2280	119	107	115	103	131	102		
410-128639-4	NP5-IDW15_A1017	124	117	108	99	99	88		
410-128639-5	NP5-IDW1-A2937	111	95	78	80	123	74		
410-128639-6	NP5-IDW3_A1956	119	125	111	109	126	100		
410-128639-7	NP5-IDW5_A392	118	111	127	105	148	115		
410-128639-8	NP5-IDW7_A1964	116	120	111	102	147	92		
LCS 410-389585/2-A	Lab Control Sample	131	104	104	113	110	112		
LCSD 410-389585/3-A	Lab Control Sample Dup	121	124	106	117	104	107		
MB 410-389585/1-A	Method Blank	109	105	101	105	81	94		

Surrogate Legend

13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
HFPODA = 13C3 HFPO-DA
13C7PUA = 13C7 PFUnA

Method: T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14

Lab Sample ID: MB 410-389585/1-A
Matrix: Water
Analysis Batch: 391599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.0	0.20	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluoroheptanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorooctanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorononanoic acid	ND		2.0	0.20	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorodecanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorotridecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorotetradecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorobutanesulfonic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorohexanesulfonic acid	ND		2.0	0.20	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		06/22/23 08:47	06/28/23 22:30	1
NEtFOSAA	ND		2.0	0.50	ng/L		06/22/23 08:47	06/28/23 22:30	1
NMeFOSAA	ND		2.0	0.40	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluorododecanoic acid	ND		2.0	0.40	ng/L		06/22/23 08:47	06/28/23 22:30	1
HFPODA	ND		2.0	0.40	ng/L		06/22/23 08:47	06/28/23 22:30	1
9Cl-PF3ONS	ND		2.0	0.50	ng/L		06/22/23 08:47	06/28/23 22:30	1
11Cl-PF3OUdS	ND		2.0	0.50	ng/L		06/22/23 08:47	06/28/23 22:30	1
DONA	ND		2.0	0.50	ng/L		06/22/23 08:47	06/28/23 22:30	1
Perfluoroundecanoic acid	ND		2.0	0.30	ng/L		06/22/23 08:47	06/28/23 22:30	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFHxA	*112*		*24 - 179*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C4 PFHpA	*103*		*31 - 182*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C8 PFOA	*100*		*48 - 162*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C9 PFNA	*91*		*51 - 167*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C6 PFDA	*98*		*49 - 163*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C2-PFDoDA	*95*		*17 - 176*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C2 PFTeDA	*95*		*10 - 179*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C3 PFBS	*106*		*16 - 200*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C3 PFHxS	*109*		*28 - 188*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C8 PFOS	*105*		*51 - 159*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
d3-NMeFOSAA	*101*		*31 - 174*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
d5-NEtFOSAA	*105*		*29 - 195*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C3 HFPO-DA	*81*		*17 - 185*	*06/22/23 08:47*	*06/28/23 22:30*	*1*
13C7 PFUnA	*94*		*34 - 174*	*06/22/23 08:47*	*06/28/23 22:30*	*1*

Lab Sample ID: LCS 410-389585/2-A
Matrix: Water
Analysis Batch: 391599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	25.6	30.6		ng/L		120	58 - 139
Perfluoroheptanoic acid	25.6	25.9		ng/L		101	59 - 145
Perfluorooctanoic acid	25.6	25.8		ng/L		101	51 - 145
Perfluorononanoic acid	25.6	34.6		ng/L		135	61 - 139
Perfluorodecanoic acid	25.6	29.3		ng/L		115	56 - 138
Perfluorotridecanoic acid	25.6	26.6		ng/L		104	58 - 146
Perfluorotetradecanoic acid	25.6	24.2		ng/L		95	62 - 139
Perfluorobutanesulfonic acid	22.7	20.3		ng/L		90	53 - 138
Perfluorohexanesulfonic acid	23.3	22.5		ng/L		96	58 - 134

Method: T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14 (Continued)

Lab Sample ID: LCS 410-389585/2-A
Matrix: Water
Analysis Batch: 391599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389585

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorooctanesulfonic acid			23.7	24.4		ng/L		103	45 - 150		
NEtFOSAA			25.6	23.6		ng/L		92	55 - 134		
NMeFOSAA			25.6	27.0		ng/L		105	59 - 140		
Perfluorododecanoic acid			25.6	25.3		ng/L		99	59 - 143		
HFPODA			25.6	20.2		ng/L		79	50 - 135		
9Cl-PF3ONS			23.8	24.1		ng/L		101	59 - 135		
11Cl-PF3OUdS			23.8	24.2		ng/L		102	53 - 139		
DONA			24.2	23.7		ng/L		98	55 - 143		
Perfluoroundecanoic acid			25.6	24.3		ng/L		95	60 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C5 PFHxA	*111*		*24 - 179*
13C4 PFHpA	*121*		*31 - 182*
13C8 PFOA	*113*		*48 - 162*
13C9 PFNA	*94*		*51 - 167*
13C6 PFDA	*102*		*49 - 163*
13C2-PFDoDA	*106*		*17 - 176*
13C2 PFTeDA	*111*		*10 - 179*
13C3 PFBS	*125*		*16 - 200*
13C3 PFHxS	*131*		*28 - 188*
13C8 PFOS	*104*		*51 - 159*
d3-NMeFOSAA	*104*		*31 - 174*
d5-NEtFOSAA	*113*		*29 - 195*
13C3 HFPO-DA	*110*		*17 - 185*
13C7 PFUnA	*112*		*34 - 174*

Lab Sample ID: LCSD 410-389585/3-A
Matrix: Water
Analysis Batch: 391599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 389585

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid			25.6	25.5		ng/L		100	58 - 139	18	30
Perfluoroheptanoic acid			25.6	28.8		ng/L		112	59 - 145	10	30
Perfluorooctanoic acid			25.6	30.1		ng/L		118	51 - 145	16	30
Perfluorononanoic acid			25.6	31.1		ng/L		121	61 - 139	11	30
Perfluorodecanoic acid			25.6	26.4		ng/L		103	56 - 138	11	30
Perfluorotridecanoic acid			25.6	23.1		ng/L		90	58 - 146	14	30
Perfluorotetradecanoic acid			25.6	29.3		ng/L		114	62 - 139	19	30
Perfluorobutanesulfonic acid			22.7	22.6		ng/L		100	53 - 138	10	30
Perfluorohexanesulfonic acid			23.3	24.9		ng/L		107	58 - 134	10	30
Perfluorooctanesulfonic acid			23.7	23.0		ng/L		97	45 - 150	6	30
NEtFOSAA			25.6	24.3		ng/L		95	55 - 134	3	30
NMeFOSAA			25.6	26.4		ng/L		103	59 - 140	2	30
Perfluorododecanoic acid			25.6	28.6		ng/L		112	59 - 143	12	30
HFPODA			25.6	23.5		ng/L		92	50 - 135	15	30
9Cl-PF3ONS			23.8	24.3		ng/L		102	59 - 135	0	30
11Cl-PF3OUdS			23.8	24.9		ng/L		105	53 - 139	3	30
DONA			24.2	25.4		ng/L		105	55 - 143	7	30
Perfluoroundecanoic acid			25.6	26.9		ng/L		105	60 - 141	10	30

Method: T-WI14355 r14 - SOP(00037) T-PFAS-WI14355 Rev.14 (Continued)

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C5 PFHxA	120		24 - 179
13C4 PFHpA	116		31 - 182
13C8 PFOA	110		48 - 162
13C9 PFNA	111		51 - 167
13C6 PFDA	106		49 - 163
13C2-PFDoDA	108		17 - 176
13C2 PFTeDA	107		10 - 179
13C3 PFBS	130		16 - 200
13C3 PFHxS	121		28 - 188
13C8 PFOS	124		51 - 159
d3-NMeFOSAA	106		31 - 174
d5-NEtFOSAA	117		29 - 195
13C3 HFPO-DA	104		17 - 185
13C7 PFUnA	107		34 - 174

LCMS

Prep Batch: 389585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-128639-1	NP5-IDW_FB_	Total/NA	Water	SPE	
410-128639-2	NP5-IDW10_A579	Total/NA	Water	SPE	
410-128639-3	NP5-IDW11_A2280	Total/NA	Water	SPE	
410-128639-4	NP5-IDW15_A1017	Total/NA	Water	SPE	
410-128639-5	NP5-IDW1-A2937	Total/NA	Water	SPE	
410-128639-6	NP5-IDW3_A1956	Total/NA	Water	SPE	
410-128639-7	NP5-IDW5_A392	Total/NA	Water	SPE	
410-128639-8	NP5-IDW7_A1964	Total/NA	Water	SPE	
MB 410-389585/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-389585/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-389585/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 391599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-128639-1	NP5-IDW_FB_	Total/NA	Water	T-WI14355 r14	389585
MB 410-389585/1-A	Method Blank	Total/NA	Water	T-WI14355 r14	389585
LCS 410-389585/2-A	Lab Control Sample	Total/NA	Water	T-WI14355 r14	389585
LCSD 410-389585/3-A	Lab Control Sample Dup	Total/NA	Water	T-WI14355 r14	389585

Analysis Batch: 392626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-128639-2	NP5-IDW10_A579	Total/NA	Water	T-WI14355 r14	389585
410-128639-3	NP5-IDW11_A2280	Total/NA	Water	T-WI14355 r14	389585
410-128639-4	NP5-IDW15_A1017	Total/NA	Water	T-WI14355 r14	389585
410-128639-5	NP5-IDW1-A2937	Total/NA	Water	T-WI14355 r14	389585
410-128639-6	NP5-IDW3_A1956	Total/NA	Water	T-WI14355 r14	389585

Analysis Batch: 394083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-128639-7	NP5-IDW5_A392	Total/NA	Water	T-WI14355 r14	389585
410-128639-8	NP5-IDW7_A1964	Total/NA	Water	T-WI14355 r14	389585

Lab Chronicle

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Client Sample ID: NP5-IDW_FB_ — Lab Sample ID: 410-128639-1

Date Collected: 05/25/23 15:00 — **Matrix: Water**
Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	391599	QD9Y	ELLE	06/29/23 01:25

Client Sample ID: NP5-IDW10_A579 — Lab Sample ID: 410-128639-2

Date Collected: 05/25/23 13:40 — **Matrix: Water**
Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	392626	JVK6	ELLE	06/30/23 11:49

Client Sample ID: NP5-IDW11_A2280 — Lab Sample ID: 410-128639-3

Date Collected: 05/25/23 13:50 — **Matrix: Water**
Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	392626	JVK6	ELLE	06/30/23 12:02

Client Sample ID: NP5-IDW15_A1017 — Lab Sample ID: 410-128639-4

Date Collected: 05/25/23 14:10 — **Matrix: Water**
Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	392626	JVK6	ELLE	06/30/23 12:14

Client Sample ID: NP5-IDW1-A2937 — Lab Sample ID: 410-128639-5

Date Collected: 05/25/23 13:00 — **Matrix: Water**
Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	392626	JVK6	ELLE	06/30/23 12:27

Client Sample ID: NP5-IDW3_A1956 — Lab Sample ID: 410-128639-6

Date Collected: 05/25/23 13:10 — **Matrix: Water**
Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	392626	JVK6	ELLE	06/30/23 12:39

Lab Chronicle

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Client Sample ID: NP5-IDW5_A392

Lab Sample ID: 410-128639-7

Date Collected: 05/25/23 13:20

Matrix: Water

Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	394083	UUV6	ELLE	07/06/23 14:52

Client Sample ID: NP5-IDW7_A1964

Lab Sample ID: 410-128639-8

Date Collected: 05/25/23 13:30

Matrix: Water

Date Received: 05/31/23 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			389585	K3UG	ELLE	06/22/23 08:47
Total/NA	Analysis	T-WI14355 r14		1	394083	UUV6	ELLE	07/06/23 15:04

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
T-WI14355 r14	SPE	Water	11Cl-PF3OUdS
T-WI14355 r14	SPE	Water	9Cl-PF3ONS
T-WI14355 r14	SPE	Water	DONA
T-WI14355 r14	SPE	Water	HFPODA
T-WI14355 r14	SPE	Water	NEtFOSAA
T-WI14355 r14	SPE	Water	NMeFOSAA
T-WI14355 r14	SPE	Water	Perfluorobutanesulfonic acid
T-WI14355 r14	SPE	Water	Perfluorodecanoic acid
T-WI14355 r14	SPE	Water	Perfluorododecanoic acid
T-WI14355 r14	SPE	Water	Perfluoroheptanoic acid
T-WI14355 r14	SPE	Water	Perfluorohexanesulfonic acid
T-WI14355 r14	SPE	Water	Perfluorohexanoic acid
T-WI14355 r14	SPE	Water	Perfluorononanoic acid
T-WI14355 r14	SPE	Water	Perfluorooctanesulfonic acid
T-WI14355 r14	SPE	Water	Perfluorooctanoic acid
T-WI14355 r14	SPE	Water	Perfluorotetradecanoic acid
T-WI14355 r14	SPE	Water	Perfluorotridecanoic acid
T-WI14355 r14	SPE	Water	Perfluoroundecanoic acid

Method Summary

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Method	Method Description	Protocol	Laboratory
T-WI14355 r14	SOP(00037) T-PFAS-WI14355 Rev.14	ELLE - Lancaster	ELLE

Protocol References:

ELLE - Lancaster = Eurofins Lancaster, Facility Standard Operating Procedure.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: HydroGeoLogic Inc
Project/Site: North Penn 5

Job ID: 410-128639-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-128639-1	NP5-IDW_FB_	Water	05/25/23 15:00	05/31/23 11:11
410-128639-2	NP5-IDW10_A579	Water	05/25/23 13:40	05/31/23 11:11
410-128639-3	NP5-IDW11_A2280	Water	05/25/23 13:50	05/31/23 11:11
410-128639-4	NP5-IDW15_A1017	Water	05/25/23 14:10	05/31/23 11:11
410-128639-5	NP5-IDW1-A2937	Water	05/25/23 13:00	05/31/23 11:11
410-128639-6	NP5-IDW3_A1956	Water	05/25/23 13:10	05/31/23 11:11
410-128639-7	NP5-IDW5_A392	Water	05/25/23 13:20	05/31/23 11:11
410-128639-8	NP5-IDW7_A1964	Water	05/25/23 13:30	05/31/23 11:11

USEPA CLP COC (LAB COPY)
DateShipped: 5/30/2023
CarrierName: FedEx
AirbillNo: 7722 8885 5673

410-128639 Chain of Custody

N OF CUSTODY RECORD

DAS R36431
Cooler #:

Hydro GeoLogic, Inc.

Contact:
HGL
Andrea Fletcher
913-647-2537

No: 3-053023-134247-0002
Lab: Eurofins Lancaster Lab
Lab Contact: Vanessa Badman
Lab Phone: 717-556-9762

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
NP5-IDW_FB_		Blank/ HGL		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	Field Blank	05/25/2023 15:00	
NP5-IDW10_A579		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A579	05/25/2023 13:40	
NP5-IDW11_A2280		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A2280	05/25/2023 13:50	
NP5-IDW15_A1017		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A1017	05/25/2023 14:10	
NP5-IDW1-A2937		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A2937	05/25/2023 13:00	
NP5-IDW3_A1956		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A1956	05/25/2023 13:10	
NP5-IDW5_A392		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A392	05/25/2023 13:20	
NP5-IDW7_A1964		Water/ HGL/MKAUFFMAN		PFAS(21)	A (TRIZMA), B (TRIZMA) (2)	A1964	05/25/2023 13:30	

Special Instructions: Send results to: Misty Kauffman mkauffman@hgl.com 913-647-2537
Andrea Fletcher: afletcher@hgl.com

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Analysis Key: PFAS=PFAS 537

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Misty Kauffman HGL	5/30/23 1500			
			[signature] UNT	5/31/23 1111	

Temp
Raw: 0.2
Corr: 5.5

Login Sample Receipt Checklist

Client: HydroGeoLogic Inc

Job Number: 410-128639-1

Login Number: 128639
List Number: 1
Creator: McBeth, Jessica

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

pennsylvania
OFFICE OF OPEN RECORDS

Standard Right-to-Know Law Request Form

Good communication is vital in the RTKL process. Complete this form thoroughly and retain a copy; it may be required if an appeal is filed. You have 15 business days to appeal after a request is denied or deemed denied.

SUBMITTED TO AGENCY NAME: New Britain Township (Attn: AORO)

Date of Request: 6/16/2025 Submitted via: ☒ Email ☐ U.S. Mail ☐ Fax ☐ In Person

PERSON MAKING REQUEST:

Name: Alex Frayer Company (if applicable): The Vertex Companies

Mailing Address: 2501 Seaport Drive, Suite BH110

City: Chester State: PA Zip: 19013 Email: afrayer@vertexeng.com

Telephone: 610-860-6852 Fax: _____

How do you prefer to be contacted if the agency has questions? ☐ Telephone ☒ Email ☐ U.S. Mail

RECORDS REQUESTED: *Be clear and concise. Provide as much specific detail as possible, ideally including subject matter, time frame, and type of record or party names. RTKL requests should seek records, not ask questions. Requesters are not required to explain why the records are sought or the intended use of the records unless otherwise required by law. Use additional pages if necessary.*

ADDRESS: 54-56 Walnut Street (Farm property consisting of Parcels 26-001-099, 26-001-099-001, 26-001-099-002, and 26-001-099-003)

Information Requested:
Building Code/Zoning Records (building permits, site plans, inspections, violations), Fire Department Records (storage tank registration, hazardous material storage, fire incident records), and Water & Sewer Services Records (sewer installation/connection date, and water service installation/connection date, if applicable)

DO YOU WANT COPIES? ☐ Yes, printed copies (*default if none are checked*)
☒ Yes, electronic copies preferred if available
☐ No, in-person inspection of records preferred (*may request copies later*)

Do you want certified copies? ☐ Yes (*may be subject to additional costs*) ☐ No

RTKL requests may require payment or prepayment of fees. See the Official RTKL Fee Schedule for more details.

Please notify me if fees associated with this request will be more than ☐ $100 (or) ☐ $_____.

ITEMS BELOW THIS LINE FOR AGENCY USE ONLY

Tracking: _____ Date Received: _____ Response Due (5 bus. days): _____

30-Day Ext.? ☐ Yes ☐ No (If Yes, Final Due Date: _____) Actual Response Date: _____

Request was: ☐ Granted ☐ Partially Granted & Denied ☐ Denied Cost to Requester: $_____

☐ Appropriate third parties notified and given an opportunity to object to the release of requested records.

NOTE: In most cases, a completed RTKL request form is a public record.
More information about the RTKL is available at https://www.openrecords.pa.gov

Form updated Feb. 3, 2020

APPENDIX C

CITY DIRECTORIES

Farm Property
54 Walnut Street
Chalfont, PA 18914

Inquiry Number: 8005966.5
June 05, 2025

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1987	☐	☑	Cole Criss-Cross Directory
1982	☐	☑	Cole Criss-Cross Directory
1976	☐	☑	Cole Criss-Cross Directory
1972	☐	☑	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

54 Walnut Street
Chalfont, PA 18914

Year	*CD Image*	*Source*	
WALNUT ST			
2020	pg A11	EDR Digital Archive	
2017	pg A18	Cole Information	
2014	pg A25	Cole Information	
2010	pg A32	Cole Information	
2005	pg A39	Cole Information	
2000	pg A45	Cole Information	
1995	pg A51	Cole Information	
1992	pg A56	Cole Information	
1987	-	Cole Criss-Cross Directory	Street not listed in Source
1982	-	Cole Criss-Cross Directory	Street not listed in Source
1976	-	Cole Criss-Cross Directory	Street not listed in Source
1972	-	Cole Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
COUNTY LINE RD		
2020	pg. A2	EDR Digital Archive
2017	pg. A12	Cole Information
2014	pg. A19	Cole Information
2010	pg. A26	Cole Information
2005	pg. A33	Cole Information
2000	pg. A40	Cole Information
1995	pg. A46	Cole Information
1992	pg. A52	Cole Information
1987	pg. A57	Cole Criss-Cross Directory
1987	pg. A58	Cole Criss-Cross Directory
1982	pg. A61	Cole Criss-Cross Directory
1976	pg. A64	Cole Criss-Cross Directory
1972	pg. A67	Cole Criss-Cross Directory
E WALNUT ST		
2020	pg. A4	EDR Digital Archive
2017	pg. A14	Cole Information
2014	pg. A21	Cole Information
2010	pg. A28	Cole Information
2005	pg. A35	Cole Information
2000	pg. A41	Cole Information
1995	pg. A48	Cole Information
1992	pg. A54	Cole Information
1987	pg. A59	Cole Criss-Cross Directory
1982	pg. A62	Cole Criss-Cross Directory
1976	pg. A65	Cole Criss-Cross Directory
1972	pg. A68	Cole Criss-Cross Directory

FINDINGS

Year	*CD Image*	*Source*	
INDEPENDENCE LN			
2020	pg. A6	EDR Digital Archive	
2017	pg. A15	Cole Information	
2014	pg. A22	Cole Information	
2010	pg. A29	Cole Information	
2005	pg. A36	Cole Information	
2000	pg. A42	Cole Information	
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source
1987	-	Cole Criss-Cross Directory	Street not listed in Source
1982	-	Cole Criss-Cross Directory	Street not listed in Source
1976	-	Cole Criss-Cross Directory	Street not listed in Source
1972	-	Cole Criss-Cross Directory	Street not listed in Source
LIBERTY LN			
2020	pg. A7	EDR Digital Archive	
2017	pg. A16	Cole Information	
2014	pg. A23	Cole Information	
2010	pg. A30	Cole Information	
2005	pg. A37	Cole Information	
2000	pg. A43	Cole Information	
1995	pg. A49	Cole Information	
1992	-	Cole Information	Street not listed in Source
1987	-	Cole Criss-Cross Directory	Street not listed in Source
1982	-	Cole Criss-Cross Directory	Street not listed in Source
1976	-	Cole Criss-Cross Directory	Street not listed in Source
1972	-	Cole Criss-Cross Directory	Street not listed in Source
SCHOOLHOUSE RD			
2020	pg. A8	EDR Digital Archive	
2017	pg. A17	Cole Information	
2014	pg. A24	Cole Information	

FINDINGS

Year	*CD Image*	*Source*	
2010	pg. A31	Cole Information	
2005	pg. A38	Cole Information	
2000	pg. A44	Cole Information	
1995	pg. A50	Cole Information	
1992	pg. A55	Cole Information	
1987	pg. A60	Cole Criss-Cross Directory	
1982	pg. A63	Cole Criss-Cross Directory	
1976	pg. A66	Cole Criss-Cross Directory	
1972	pg. A69	Cole Criss-Cross Directory	

STEWART LN

2020	pg. A10	EDR Digital Archive	
2017	-	Cole Information	Street not listed in Source
2014	-	Cole Information	Street not listed in Source
2010	-	Cole Information	Street not listed in Source
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source
1987	-	Cole Criss-Cross Directory	Street not listed in Source
1982	-	Cole Criss-Cross Directory	Street not listed in Source
1976	-	Cole Criss-Cross Directory	Street not listed in Source
1972	-	Cole Criss-Cross Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

COUNTY LINE RD 2020

4257	M L CAVANAUGH & ASSOC LLC
4275	ABBY LONDON MAGIC & BALLOONS
	AMERICAN VALUATION GROUP
	ANYTIME FITNESS
	ARCFLASH-CRT
	ATM
	BLUE DOG FAMILY TAVERN
	BUSINESS SERVICES OF CHALFONT
	CITIZENS BANK
	COINSTAR
	DOLLAR OUTLET
	FIRE & WATER RESTORATION PROS
	GIANT FOOD STORES
	GIANT FOOD STORES PHARMACY
	GORDON FLORIST
	GOURMET WOK
	GREAT CLIPS
	HACHI
	HAPPY MIXER GLUTEN FREE BAKERY
	JANET CORCORAN
	JOSEPH CORCORAN
	MARINER FINANCE
	MC DONALD'S
	NAILS BY IRINA IN SALON IND
	NATIONWIDE INSURANCE-DREW RVK
	NEW BRITAIN CLEANERS
	PRIMO HOAGIES
	QUAINT OAK INSURANCE AGENCY
	RANDAZZO'S BRICK OVEN PIZZA
	REDBOX
	ROSENBLUTH VACATIONS
	SALON INDUSTRY INC
	SAMANTHA CORCORAN
	SHORETHING COLLECTABLES
	STARBUCKS
	V NAILS
	VILLARI'S SELF DEFENSE
	WELLS FARGO BANK
	WILLOW HEALTH INC
	WINE & SPIRITS STORES
4309	CREAMERY TIRE INC
	LINDA BLISS
	M R JONES DOOR SVC
	PEP BOYS
	RISING STAR MOVING & STORAGE
	TRINITY ROOF-EXTERIOR CLEANING
	WELLNESS WORKS PA
	WILLOW HEALTH FOOD STORE
4315	BENJAMIN DERIVERA
4317	ANN MITCHELL

COUNTY LINE RD 2020 (Cont'd)

4317	EMILY BORRELL
	FAITH BORRELL
	KATHLEEN BORRELL
	STEVEN MITCHELLE
	THEODORE MITCHELL
4319	ERIC ESPINOSA
	PATRICIA ESPINOSA
4321	KORY HANDLY
4323	LE NGUYEN
4325	SOPHEA CHEA
4327	CODY FOY
	KAY YOUNG
	ROBERT STINTSMAN
	WANDA FOY
4329	NORMAN STANTON
4331	GARY TRUMBORE
4335	MICHAEL KUNECK
4337	HARRISON BROWN
	KATHLEEN BROWN
4339	ROBERT MICHNIEWICZ
	STEPHANIE MICHNIEWICZ
4343	DENISE MCHUGH
	MARK MCHUGH
4355	BOB BYERS
	BYERS CHOICE
	DAN & MARLENE COBLE
4359	FIELD OF DREAMS SPORTS CLUB
4365	ANTHONY BORDA
	ANTONIO BOVA
	BOVA FOOD DISTRIBUTORS INC
	FRANK BORDA
	HIGH NOTE CAFE
	MARIA BORDA
	MARIA BOVA
	MARIA MIA INC
	NICK BOVA
	TERESA BORDA
4371	QUAD/GRAPHICS INC
4375	GEORGE ALLEN WASTEWATER MGMT
4377	C P RANKIN INC
	DNV GL
	HERMAN AMELINK
4379	KEMA POWERTEST INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E WALNUT ST 2020

2883	DAVID BUTLER
	JOE GROSS
	KEVIN QUINN
2890	HOM FELICE
2893	AIMEE SMITH
	THOMAS SMITH
2896	EDMUND BUZBY
	JEANNE BUZBY
2897	HENRY LOBO
	WAI LEE
2901	KAREN BEIRNE
	LOIS WOLF
	THERESA HUTNYK
2902	ANDREA MANDES
	ASHLEY MANDES
	BRANDON MANDES
	ELA MANDES
	KENNETH MANDES
	MANDES MANUELA
2906	BARBARA COPE
	MILTON COPE
2907	WALTER DAVIS
2910	PRAFUL PATEL
2913	FERDOUS AKHTER
	KHONDOKER HOSSAIN
2914	ANGELA COTELLESE
	NICHOLAS LEBLANC
2915	GEORGE WILDE
	HELEN SMITH
2917	JAMES MENEFEE
2918	AUDREY LEHMAN
	JASON MCGOWAN
2919	RILEY HOGANS
	SAFWAT SALEEB
2921	CHRISTINA BARAN
2922	NEERAV PATEL
2925	LINDA MOYER
	RICHARD MOYER
2926	ANN MOORE
	HOWARD MOORE
2927	JOSEPH CASHORE
2930	ANDREW CARRIGAN
	BARBARA CARRIGAN
2934	ALVADOR THOMPSON
	MARIN THOMPSON
2935	MICHAEL JACOBS
2938	NICOLE GROVER
2942	ALEX FIGUEIREDO
	HOLLY FIGUEIREDO
	JEANA FIGUEIREDO

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E WALNUT ST 2020 (Cont'd)

2942	MANUEL FIGUEIREDO
2943	CARRA DIRIENZO
	MICHAEL DIRIENZO
2946	NATALIE BROSKY
	TODD BROSKY
	TROY BROSKY
	WENDY BROSKY
	WILLIAM BROSKY
2951	GREGORY ZIMMERMAN
	KATHLEEN ZIMMERMAN
2954	FRANK RIZZO
	MEGAN RIZZO
	SHERRY RIZZO
2958	ANGELA WAGNER
	BRIAN READ
2962	BRIAN CORRIGAN
2966	JEFFREY FINK
2970	JOSEPH BORRAJO
	MARIA FAUNCE
	MARION KOHLER
	THEODORE KOHLER
2974	BRUCE DANNAKER
	LISA DANNAKER
2978	PETE TANO
	RICHARD HECK
2982	DANIEL CHECCHIO
	DANYELLE DUNN
	THOMAS DUNN
3101	THOMAS MILLER & CO
	TOMCAT PROPERTIES LLC
3400	ANDREA GETTY
	ATM
	DORMAN PRODUCTS INC
	LIFT TRUCK TECHNIQUES
	R & B DISTRIBUTION INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

INDEPENDENCE LN 2020

100 SEALING SOLUTIONS
120 DOLI CONSTRUCTION CORP
140 ACCUSYSTEMS CORP
CORE TECHNOLOGY GROUP INC
ROBERT SCHULTZ
ROLL FORMER CORP

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LIBERTY LN 2020

100	FIRST STUDENT INC
101	MATCOR INC
120	DELTRONIC LABS INC
141	GOURMET BAKERY DISTRIBUTORS
145	SKY ZONE TRAMPOLINE PARK

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

SCHOOLHOUSE RD 2020

32	GARRIDO FENCES
	JORDY GARRIDO
	JOSE GARRIDO
	SHARON GARRIDO
36	BECKY HULSHIZER
	JEAN HULSHIZER
	LOIS HULSHIZER
	LOUIS HULSHIZER
	WILLIAM HULSHIZER
48	CASEY CONO
	DONA KOBRZYNSKI
	MICHAEL CONO
	WILLIAM MOKRYNCHUK
54	DANIEL MCAULEY
	JACQUELINE SWOPE
	JACQUELYN RAAB
	KATHLEEN RAAB
	NICOLE COCHRAN
	PENLOPE WEST
58	JEFFREY SCHELL
	JULIE FITZGERALD
	MATTHEW HANN
62	BRIAN BREISH
	SHERI RASSIER
66	DAVID SCHMALZREID
	JACLYN SCHMALZRIED
70	JULIANA DAVIS
	SALLY BURK
	TAMARA DAVIS
74	JULIA SAVINOV
	OLEG SAVINOV
78	CAROL HERCEG
	MICHAEL HERCEG
	PAUL HERCEG
201	DEBORAH STESKAL
	JASON STESKAL
	RONALD STESKAL
	RYAN STESKAL
	TIMOTHY STESKAL
237	CRANE MAN INC
	KELLY KESSLING
	KIMBERLY NIEVES-SOSA
	MELANNIE ALLES
	PETER NIEVES-SOSA
279	CALVIN RUTH
	CATHERINE RUTH
	DORIS RUTH
	LEAH RUTH
	THOMAS RUTH
309	CECILIA KNOTT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

SCHOOLHOUSE RD 2020 (Cont'd)

309	CRAIG KNOTT
314	ANNA CROASDALE
	CATHERINE CROASDALE
	CHRISTINA CROASDALE
	JAMES CROASDALE
	MICHAEL CROASDALE
	MICHELE CROASDALE
	ROBERT CROASDALE
315	MARYANN FEDOCK
	SANDRA LEX
324	CLAUSER TREE CARE
354	MICHAEL VASTA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

STEWART LN 2020

100	PALLETRATER.COM
101	MOSER GROUP
	PABBY'S PET RESORT
	PENN FOREST LLP
102	CURIOUS KIDS INC
	GODDARD SCHOOL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WALNUT ST 2020

5	DAVID MALISCHEWSKI
	STEPHANIE MALISCHEWSKI
7	MARILYN WEIKEL
9	CRYSTAL SACKS
23	DIANNE MARSHALL
	SCOTT MARSHALL
56	DANN ERNEY

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2017

4275	ANYTIME FITNESS
	BLUE DOG TAVERN
	BUSINESS SERVICES OF CHALFONT
	BUTTERFLIES & BULLFROGS
	CARLTON POOLS
	CARTRIDGE WORLD
	CHEEBURGER CHEEBURGER
	CUTTERS MILL
	GIANT FOOD
	GIANT FOOD PHARMACY
	GOLDEN M INVESTMENTS
	GORDON FLORIST
	GOURMET WOK
	GREAT CLIPS
	HACHI
	KMG FITNESS
	MCDONALDS
	NAILS BY IRINA IN SALON INDUSTRY
	NEW BRITAIN CLEANERS
	PRIMOHOAGIES
	RANDAZZOS
	REDBOX
	SALON INDUSTRY INC
	STARBUCKS COFFEE
	THE HAPPY MIXER GLUTEN FREE BAKERY
	TUESDAY MORNING
	V NAILS
	VILLARIS SELF DEFENSE
	WELLS FARGO BANK
	WILLOW HEALTH FOOD & WELLNESS CENTER
	WILLOW HEALTH FOOD STORE
	WINE & SPIRIT STORES
4309	4309 BUSINESS CENTER
	M R JONES DOOR SERVICE
	NAK MUAY GYM CHALFONT
	PEP BOYS
	PEP BOYS CHALFONT
	SCULLY WELDING SUPPLY CORP
	TRINITY ROOF & EXTERIOR CLEANING
	WELLNESS WORKS PA LLC
	WILLOW HEALTH FOOD & WELLNESS CENT
4355	BYERS CHOICE LTD
4359	A E GLOBAL INC
	C P RANKIN INC ROOF MANAGEMENT & CON
	CP RANKIN INC
	SHANE PATRICK ASSOCIATES INC
4365	BOVA FOOD DISTRIBUTERS
	BOVA FOODS
	BOVA FOODS INC
4371	VERTIS

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2017 (Cont'd)

4375 GEORGE ALLEN WASTEWATER MANAGEMENT
4377 DNV KEMA
KEMA USA INC

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 2017

2883	HAMMEL, STEPHEN C
	MCCLENNEN, THOMAS
	QUINN, KEVIN W
2890	MCCLEARY, MARCUS E
2893	SMITH, AIMEE
2897	LEE, WAI C
2901	BEIRNE, JASON
	HUTNYK, THERESA A
2902	MANDES, KENNETH E
2906	COPE, MILTON S
2907	DAVIS, WALTER R
2913	AKHTER, FERDOUS
2914	VANNOY, CHAD A
2915	WILDE, HELEN L
2917	BECHT, ANDREW M
2918	DONNET, JEAN J
2921	KOT, CHRISTOPHER
2922	CROAK, DONALD R
2925	MOYER, RICHARD D
2926	MOORE, ANN W
2927	CASHORE, JOSEPH L
2930	CARRIGAN, ANDREW M
2934	THOMPSON, MARIN M
2935	JACOBS, MICHAEL A
2938	BEIRNE, RICHARD S
2942	FIGUEIREDO, MANUEL J
2943	DIRIENZO, MIKE D
2951	ZIMMERMAN, GREGORY E
2954	RIZZO, FRANK J
2958	READ, BRIAN G
2962	CORRIGAN, BRIAN W
2966	FINK, MICHAEL L
2970	BORRAJO, JOSEPH D
2974	DANNAKER, BRUCE J
2978	HECK, RICHARD H
2982	DUNN, THOMAS M
2986	RUSSELL, STEPHEN G
3101	THOMAS MILLER & COMPANY INC
3150	MCKINNEY DRILLING CO
3400	DORMAN PRODUCTS

Target Street	Cross Street	Source
-	✓	Cole Information

INDEPENDENCE LN 2017

100	TRELLEBORG SEALING SOLUTIONS COLMAR
120	DOLL CONSTRUCTION CORP
121	META BIOMED INC
	NORTH WALES MILLWORK INC
140	ACCUSYSTEMS CORPORATION
	ROLL FORMER CORPORATION

Target Street	Cross Street	Source
-	✓	Cole Information

LIBERTY LN 2017

100	FIRST STUDENT
	RSC EQUIPMENT RENTAL
101	MATCOR
120	DELTRONIC LABS INC
121	SKEE BALL INC
125	CAIRONE CONSTRUCTION

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 2017

32	GARRIDO, SHARON L
36	HULSHIZER, WILLIAM R
54	COCHRAN, NICOLE
	HIERHOLZER, KRISTINA R
	MCAULEY, DANIEL W
	PETERSEN, CHRISTEN
	WILSON, THOMAS
62	BREISH, BRIAN A
66	DOAK, MARIE F
70	BURK, SALLY S
74	SAVINOV, OLEG S
78	HERCEG, MICHAEL T
201	STESKAL, RONALD J
235	SOUTHEASTERN PENNSYLVANIA TRANSPORTA
237	THE CRANE MAN INC
279	RUTH, THOMAS K
309	KNOTT, CRAIG A
314	CROASDALE, MICHAEL
315	FEDOCK, MARYANN A
354	VASTA, MICHAEL D

Target Street	Cross Street	Source
✓	-	Cole Information

WALNUT ST 2017

56 ERNEY, DANN R

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2014

4275	ANYTIME FITNESS
	BLUE DOG TAVERN
	BUSINESS SERVICE OF CHALFONT INC
	BUTTERFLIES & BULLFROGS
	CHEEBURGER CHEEBURGER
	CUTTERS MILL
	FROZEN COW YOGURT
	GIANT FOOD
	GIANT FOOD PHARMACY
	GOLDEN M INVESTMENTS
	GORDON FLORISTS INC
	GOURMET WOK
	GREAT CLIPS
	NAILS BY IRINA IN SALON INDUSTRY
	NATIONWIDE INSURANCE DREW W REVAK
	NERI, VERONICA
	NEW BRITAIN CLEANERS
	ROSENBLUTH VACATIONS
	SCOTT, GARRETT
	SHEPPARD, AARIANN V
	TANTOPIA TANNING CENTERS INC
	THE HAPPY MIXER BAKING COMPANY LLC
	TUESDAY MORNING
	V NAILS
	VILLARIS SELF DEFENSE
	WELLS FARGO
	WELLS FARGO BANK
	WILLOW HEALTH FOOD STORE
	WINE & SPIRIT STORES
4309	ARZT MATTHEW
	ARZT, MATTHEW
	NAKMUAY ACADEMY
	RISING STAR MOVING & STORAGE
	TRINITY ROOF & EXTERIOR CLEANING
	WELLNESS WORKS PA LLC
4315	MOORE, DANIEL A
4317	MITCHELL, ANN M
4319	ESPINOSA, ERIC A
4321	MAHONEY, CHRISTINE A
4323	NGO, QUYEN
4325	OCCUPANT UNKNOWN,
4327	STINTSMAN, ROBERT L
4329	STANTON, NORMAN C
4331	TRUMBORE, GARY L
4335	KUNECK, MICHAEL S
4337	BROWN, ERIC F
4339	BLISS, STEPHANIE
4343	MCHUGH, MARK
4345	IRONS, FRANK E
4355	BYERS CHOICE LTD

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2014 (Cont'd)

4359	CP RANKIN INC
	SHANE PATRICK ASSOCIATES INC
4363	OCCUPANT UNKNOWN,
4365	BOVA FOODS INC
4371	VERTIS
4375	GEORGE ALLEN WASTE WATER MANAGEMENT
	GEORGE ALLEN WASTEWATER MANAGEMENT
4377	DNV KEMA
	KEMA CONSULTING
	KEMA MEDICAL
	KEMA REGISTERED QUALITY
	KEMA USA INC
	MACRO CORPORATION

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 2014

2883	HAMMEL, STEPHEN C
	QUINN, KEVIN W
	SCIOL, ANTHONY S
2884	KING, JONATHAN
2890	MCCLEARY, MARCUS E
2893	BUCHTER, HELEN B
2896	BUZBY, PEGGY J
2897	SHOLLY, MARIA
2901	BEIRNE, JASON
	OCCUPANT UNKNOWN,
2902	MANDES, KENNETH E
2906	COPE, MILTON S
2907	DAVIS, WALTER R
2910	BRUECKS, ANNEMARIE
2913	STUBER, ROBERT L
2914	VANNOY, KENT A
2915	SMITH, HELEN L
2917	BECHT, ANDREW M
2918	DONNET, JEAN J
2919	HOGANS, RILEY F
2921	RHATICAN, MARY S
2922	CROAK, CHARLES R
2925	MOYER, RICHARD D
2926	MOORE, ANN W
2927	MERCADANTE, WILMA M
2930	CARRIGAN, ANDREW M
2934	THOMPSON, MARIN M
2935	JACOBS, MICHAEL A
2938	GROVER, ROBERT C
2942	FIGUEIREDO, MANUEL J
2943	DIRIENZO, MIKE D
2950	STADELMEYER, RONALD S
2951	BELOTT, KATHLEEN A
	ZIMMERMAN, GREGORY E
2954	RIZZO, FRANK J
2958	READ, BRIAN G
2962	CORRIGAN, BRIAN W
2966	OCCUPANT UNKNOWN,
2970	OCCUPANT UNKNOWN,
2974	DANNAKER, BRUCE J
2978	SWEENEY, GINGER S
2982	SELLERS, KATHRYN
2986	RUSSELL, STEPHEN G
3101	THOMAS MILLER & COMPANY INC
3150	MCKINNEY DRILLING CO
3400	DORMAN PRODUCTS

Target Street	Cross Street	Source
-	✓	Cole Information

INDEPENDENCE LN 2014

100	BEST FRIEND PRODUCTS CO
120	DOLI CONSTRUCTION CORP
121	NORTH WALES MILLWORK INC
140	ACCUSYSTEMS CORPORATION
	ROLL FORMER CORPORATION

BOHLER

1515 Market Street, Suite 920
Philadelphia, PA 19102
267.402.3400

VOLUME 4 OF 5

Target Street	Cross Street	Source
-	✓	Cole Information

LIBERTY LN 2014

100	FIRST STUDENT
	RSC EQUIPMENT RENTAL
101	MATCOR
	MATCORP CORP
112	RODGERS, JOYCE
120	DELTRONIC LABS INC
121	SKEE BALL INC
125	CAIRONE CONSTRUCTION

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 2014

32	OCCUPANT UNKNOWN,
36	HULSHIZER, WILLIAM R
46	KREBS, C
48	MOKRYNCHUK, MICHAEL W
54	COCHRAN, NICOLE
	OCCUPANT UNKNOWN,
58	DOLINSKI, STEPHEN J
62	BREISH, BRIAN A
66	DOAK, MARIE F
70	BURK, FRANK D
74	SAVINOV, OLEG S
78	HERCEG, MICHAEL T
84	KIRKPATRICK, KYLE K
201	STESKAL, RONALD J
209	VOLPE, CHARLES
225	MICHAEL F RONCA & SONS
235	SOUTHEASTERN PENNSYLVANIA TRANSPORTA
237	CRANE MAN THE INC
	KESSLING, JEREMY R
279	RUTH, THOMAS K
309	KNOTT, CRAIG A
314	CROASDALE, MICHAEL
315	FEDOCK, MARYANN E
354	VASTA, MICHAEL W

Target Street	Cross Street	Source
✓	-	Cole Information

WALNUT ST 2014

36 NARKOFF, E A
56 ERNEY, DANN R

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2010

4275	AMERICAN VALUATION GROUP
	BLUE DOG FAMILY TAVERN
	BUSINESS SERVICES OF CHALFONT
	BUTTERFLIES & BULLFROGS
	CARLTON POOLS INC
	CARTRIDGE WORLD
	CHEEBURGER CHEEBURGER
	CHEEBURGER, CHEE
	CUTTER, S
	CUTTERS MILLNATURAL PET PLC
	FIRSTRUST BANK
	GENAURDIS PHARMACY
	GENUARDIS
	GOLDEN, M
	GORDON FLORIST
	GOURMET WOK
	GREAT CLIPS
	HEALTH FOOD STORE
	MC DONALDS
	NAILS BY IRINA IN SALON
	NEW BRITTAIN CLEANERS
	ROSENBLUTH VACATIONS
	S & A DOLLAR STORE
	SALON INDUSTRY INC
	STARBUCKS
	STATE LIQUOR STORE
	STERLING KITCHEN SALES INC
	TANTOPIA TANNING CTR INC
	V NAILS
	VILLARIS SELF DEFENSE
	WACHOVIA BANK
4309	ANDERSON, JOHN
	BECK JONATHAN DC
4315	CURTIS, CHERIE A
4317	MITCHELL, STEVEN M
4319	SMYTH, PATRICIA J
4321	HANDLY, KORY B
4323	GOODMAN, WILLIAM
4325	FLUCK, WILLIAM H
4327	STINTSMAN, ROBERT L
4329	STANTON, NORMAN C
4331	TRUMBORE, GARY L
4335	KUNECK, MICHAEL S
4337	BROWN, ERIC F
4339	MICHNIEWICZ, ROBERT J
4343	MCHUGH, DENISE
4359	C P RANKIN LLC ROOF MGMT
4365	BOVA FOOD DISTRIBUTORS INC
4371	VERTIS DIRECT MARKETING SVC
4377	KEMA CONSULTING

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2010 (Cont'd)

4377	KEMA MEDICAL
	KEMA REGISTERED QUALITY
	MACRO CORP
4379	KEMA POWERTEST INC

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 2010

2883	BUTLER, DAVID A
	KRATZ, A
	QUINN, KEVIN
2890	KURASH, CHRIS R
2893	BUCHTER, HELEN B
2896	BUZBY, PEGGY J
2897	LEE, ALEXANDER T
2902	MANDES, KENNETH E
2906	COPE, MILTON S
2907	DAVIS, WALTER R
2913	STUBER, ALICE V
2914	DALEY, MICHAEL R
2915	SMITH, HELEN L
2917	BECHT, ANDREW M
2918	DONNET, JEAN J
2919	HOGANS, RILEY F
2921	RHATICAN, MARY S
2922	CROAK, CHARLES R
2925	MOYER, RICHARD D
2926	MOORE, HAROLD W
2927	CASHORE, JOSEPH L
2930	CARRIGAN, ANDREW M
2934	THOMPSON, MARIN M
2935	JACOBS, MICHAEL A
2938	MOORE, DEBORAH L
2942	FIGUEIREDO, MANUEL J
2943	DIRIENZO, MIKE D
2950	STADELMEYER, RONALD S
2951	BELOTT, KATHY A
	ZIMMERMAN, GREGORY E
2954	RIZZO, FRANK J
2958	SANDERS, NANCY M
2962	CORRIGAN, BRIAN W
2970	KOHLER, THEODORE W
2974	DANNAKER, BRUCE J
2978	SWEENEY, GINGER S
2982	DUNN, THOMAS M
2986	RUSSELL, STEPHEN G
3101	THOMAS MILLER & CO INC

Target Street	Cross Street	Source
-	✓	Cole Information

INDEPENDENCE LN 2010

120	DOLI CONSTRUCTION CORP
121	NORTH WALES MILLWORK INC
140	ROLL FORMER CORP

Target Street	Cross Street	Source
-	✓	Cole Information

LIBERTY LN 2010

100	RSC EQUIPMENT RENTAL
120	DELTRONIC LABS INC
121	SKEE BALL INC

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 2010

32	GARRIDO, CIPRIANO A
36	HULSHIZER, RANDY W
46	SPIEWAK, CAROL R
48	MOKRYNCHUK, MICHAEL W
54	COCHRAN, DWAYNE F
	WEST, PENELOPE A
58	DOLINSKI, STEPHEN
62	BREISH, BRIAN A
66	DOAK, WILLIAM J
70	BURK, FRANK D
74	SAVINOV, OLEG S
75	MCGOWAN, ANDREW G
78	HERCEG, MICHAEL T
84	KIRKPATRICK, KYLE K
201	STESKAL, RONALD J
237	JONES, ALFRED H
279	RUTH, THOMAS K
309	KNOTT, CRAIG A
314	CROASDALE, BOB H
315	STOEHR, MICHAEL A
333	STROH, MARLYN C
354	VASTA, MICHAEL W

Target Street	Cross Street	Source
✓	-	Cole Information

WALNUT ST 2010

36	NARKOFF, E A
50	BURGESS, TERESA
56	ERNEY, DANN R
	STEWART, BLANCHE W

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2005

4275	ABBY LONDON MAGIC & BALLOONS
	BENTLEY GROUP INC
	BLUE DOG FAMILY TAVERN
	BUTTERFLIES AND BULLFROGS
	COMANCHE INDUSTRIES
	COVER YOUR ASSETS HOME INSPECTION
	DYNACARE INC
	FIRST UNION SECURITIES
	FIRSTRUST SAVINGS BANK
	FLEET BANK
	GENUARDIS FAMILY MARKET
	GOLF EXPRESS
	GREAT CLIPS FOR HAIR
	GREENWALD, JAY R
	HARKING TRADING INC
	HOLIDAY 1 HOUR PHOTO
	HOLLYWOOD ENTERTAINMENT
	LIQUOR CONTROL BOARD PA
	MAXINE NELSON JEWELERS
	MAY FOO MOBILE
	MCDONALDS 11608
	NATIONAL ASSN F REMODELING INDST
	NEW BRITAIN CLEANERS
	PRUSS, MARK E
	RANDAZZOS BRICK OVEN PIZZA
	ROSENBLUTH VACATIONS
	SALON INDUSTRY INC
	STERLING KITCHEN SALES
	THE HEALTH FOOD STORE
	TOTAL HEALTH WAREHOUSE INC
	V NAILS
	VILLARIS SELF DEFENSE
	WACHOVIA BANK NATIONAL ASSN
4309	A A A AUTO RENTAL
	AVELLINOS TIRES PLUS TOTAL CAR CARE
	EXOTIC CONCEPTS INC
	KDC ENGINEERING
	SCULLY WELDING SUPPLY CORP
	TIRES PLUS
	WELDON AUTO PARTS INC
4315	MCAFEE, JOANNE R
4317	MITCHELL, STEVEN M
4319	ESPINOSA, ERIC T
4321	HANDLY, KORY B
4323	NIELSON, THERESA L
4325	FLUCK, WILLIAM H
4327	STINTSMAN, ROBERT L
4329	STANTON, NORMAN J
4331	TRUMBORE, GARY L
4335	KUNECK, MICHAEL S

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2005 (Cont'd)

4337	BROWN, ERIC F
4339	MICHNIEWCZ, ROBERT J
4345	ROSE, ROBERT G
4355	BYERS CHOICE LTD
	KINDLE CREATIONS INC
4359	C P RANKIN LLC ROOF MGMT & CONTRACTI
	CP RANKIN LLC
4363	GRIFFITH, DANIEL W
4365	BOVA FOOD DISTRIBUTORS INC
	PHILADELPHIAS SINGING CHEF
4371	VERTIS DIRECT MARKETING INC
	VERTIS INC
	WEBCRAFT LLC
4377	KEMA CONSULTING MACRO CORP
	KEMA INC
	KEMA MEDICAL
	KEMA REGISTERED QUALITY
	MACRO CORP

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 2005

2883	BUTLER, DAVID A
	EMLET, LARRY S
	GRASSE, WARREN L
	KRATZ, A
	WHITESIDE, JASON
	YIM, HELEN H
2884	MARKERT, OTTO
2890	KURASH, CHRIS R
2893	BUCHTER, HELEN B
2896	BUZBY, PEGGY J
2897	NACE, KELLIE
2901	BEIRNE, KAREN D
2906	COPE, MILTON S
2907	DAVIS, WALTER R
2910	HAM, SUM T
2914	ASBURY, PATRICK
2915	SMITH, HELEN L
2917	BECHT, ANDREW M
2918	DONNET, JEAN J
2919	SHERMAN, JOYCE A
2921	KOT, CHRISTOPHER
2922	CROAK, CHARLES R
2925	MOYER, RICHARD D
2926	MOORE, HOWARD M
2927	CASHORE, JOSEPH L
	RKB CONSTRUCTION INC
2930	CARRIGAN, ANDREW M
2934	YOUSSEF, GIDEON B
2938	TASHJIAN, CHRISTIE
2942	FIGUEIREDO, MANUEL J
2943	DIRIENZO, MIKE V
2946	BROSKY, WENDY H
2950	STADELMEYER, RONALD S
2951	ZIMMERMAN, GREGORY
2954	RIZZO, FRANK J
2958	SUSAVAGE, SCOTT
2962	NAJIBI, MOHAMED
2966	LINDENMAYER, IDA M
2970	KOHLER, THEODORE W
2974	DANNAKER, BRUCE J
2982	SNYDER, DAVID L
2986	RUSSELL, STEPHEN G
3150	MCKINNEY DRILLING CO
3400	MOTORMITE MFG CO
	RB MANAGEMENT INC

Target Street	Cross Street	Source
-	✓	Cole Information

INDEPENDENCE LN 2005

140 ROLL FORMER CORP MP

Target Street	Cross Street	Source
-	✓	Cole Information

LIBERTY LN 2005

120 DELTRONIC LABS INC
121 SKEE BALL INC

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 2005

32	WORTHINGTON, DONALD L
36	HULSHIZER, WILLIAM R
48	MOKRYNCHUK, WILLIAM
54	BOUIE, SHELDON
	WEST, PENELOPE A
	WILLIAMS, MARK
62	LOBS, MARY E
66	DOAK, WILLIAM J
70	BURK, FRANK D
74	SAVINOV, OLEG S
78	HERCEG, MICHAEL T
84	KIRKPATRICK, KYLE K
201	STESKAL, RONALD J
237	ATLAS ELECTRIC
	BORGERS, THOMAS
279	RUTH, RODNEY A
309	KNOTT, CRAIG A
314	CROASDALE, BOB A
315	STOEHR, MICHAEL A
354	VASTA, MICHAEL W

Target Street	Cross Street	Source
✓	-	Cole Information

WALNUT ST 2005

56 STEWART, EDWIN P

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 2000

4275	AMERICA U BREW
	CORESTATES BANK
	CVS PHARMACY CHALFONT
	FIRST UNION
	FOUR SEASONS BAKERY
	GERMANTOWN SAVINGS BANK
	HOLLYWOOD VIDEO
	KEE, DONALD
	LEARNING EXPRESS
	MOISHES DELI
	NEW BRITAIN CLEANERS
	PAPER CUTTER
	PET VALU
	THE HEALTH FOOD STORE
	VILLARIS SELF DEFENSE
4309	AAA AUTO RENTAL
	ALLEN, JUNE W
	AVELLINOS TIRE & AUTO SERVICE CENTER
	BASES LOADED BASEBALL ACADEMY INCORPORATED
	GIANT BATTERY
	LANSDALE MEDICAL GROUP CHALFONT OFFICE
	MARATHON ABSTRACT
	PORTNER JEFFREY H MD
	REMAX ACTION REALTY
	SEABOARD AUTOMOTIVE INCORPORATED
	WELDON AUTO PARTS INCORPORATED
4315	CHRISTI, SUSAN
	MCAFEE, JOANNE R
4317	MITCHELL, THEO
4319	ESPINOSA, ERIC
4321	HANDLY, KORY B
4323	NIELSEN, THERESA
4325	FLUCK, WILLIAM
4335	KUNECK, MICHAEL S
4337	BROWN, ERIC F
4339	MICHNIEWICZ, S
4343	HOCKINGS, K
4345	KREWSON, D J
4355	BYERS CHOICE LIMITED
4359	CARTER DONLEVY COMPANY
4365	BOVA, ANTHONY
4371	WEBCRAFT MAIL SYSTEMS INCORPORATED
4379	KEMA POWERTEST INCORPORATED

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 2000

2883	BUBEN, CHRISTI E
	BUTLER, DAVID A
	ENGLER, MARY D
	LEWIS, EARLE
	MOCHAN, RICHARD J
2884	MAERZ, ERICH
	MCINTYRE, JAY
	SENA, MICHAEL L
	SHAW, SHARON
2893	BUCHTER, WILLIAM C
2896	BUZBY, JEANNE C
2897	VANSCIVER, ROBERT
2901	BEIRNE, K
2906	COPE, BARBARA N
2910	HAM, SUM T
2913	STUBER, LUTHER R
2914	TRIPKE, MATTHEW S
2918	CAVE, P J
2922	JENSEN, JOHN E
2925	MOYER, RICHARD D
2926	MOORE, HOWARD W
2927	RKB CONSTRUCTION INCORPORATED
2935	EBLE, C D
2943	DIRIENZO, CARRA
2950	STADELMEYER, RONALD S
2951	WERT MARIE RN
2954	RIZZO, FRANK
2958	ZBYSZINSKI, JOHN J
2962	CLEMENS, M
	CLEMENTS, CHIP
2966	LINDENMAYER, GEORGE W
2974	DANNAKER, BRUCE J
2978	CLUCK, BEVERLY A
2982	SNYDER DAVID L PLUMBING &HEATG
	SNYDER, DAVID L
2986	RUSSELL, STEVEN
3101	MECHANICS TOOL WAREHOUSE
3150	MCKINNEY DRILLING COMPANY
3400	CULINARY CROSSING INCORPORATED
	MOTORMITE MANUFACTURING
	R & B INCORPORATED

Target Street	Cross Street	Source
-	✓	Cole Information

INDEPENDENCE LN 2000

120 DOLI CONSTRUCTION CORPORATION
121 NORTH WALES MILLWORK INCORPORATED

Target Street	Cross Street	Source
-	✓	Cole Information

LIBERTY LN 2000

120 DELTRONIC LABS INCORPORATED
121 SKEE BALL INCORPORATED

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 2000

32	WORTHINGTON, DONALD L
36	HULSHIZER, WILLIAM R
48	MOKRYNCHUK, M W
54	MCMANUS, JOSEPH T
	PRICHARD, G K
58	HANN, MATTHEW
62	LOBS, CHARLES R
66	DOAK, JOSEPH R
70	BURK, FRANK D
74	SAVINOV, OLEG
78	HERCEG, MICHAEL
84	KIRKPATRICK, KYLE K
201	STESKAL, RONALD J
237	HAINES, SAMUEL E
	NIEVES-SOSA, PETER
279	HARLEY, CLAUDE L
	RUTH, RODNEY A
309	KNOTT, CRAIG A
314	CROASDALE, BOB
315	STOEHR, KATHY
324	CROUTHAMEL, C M
	HENOFER RICHD CARPENDER CONTRACTORS FAX
	HENOFER RICHD CARPENTER CONTRACTORS
	SHEEHAN PIPE LINE CONST COMPANY

Target Street	Cross Street	Source
✓	-	Cole Information

WALNUT ST 2000

56 NASE, PAT

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 1995

4251	LOUGHRIDGE, RICH
	NORTH PENN WINDOW CLEANING
	STEINMETZ, BETSY
4275	A Z VIDEO SUPERSTORE
	ART COOP II LTD
	BENTLEY BUSINESS SVC
	BILLIARD CITY GAME TOWN USA
	BONNIES FLOWERS
	CARMINE & CO HAIR SALON
	CVS PHARMACY
	CVS PHARMCY
	ENCORE BOOKS
	ERCOLINO LEATHER
	FOEHNER, JAMES
	FORREST, DAVID
	FOUR SEASONS BAKERY
	GENUARDI SUPER MARKETS
	GERMANTOWN SAVINGS BANK
	GOURMET WOK CHINESE RESTAURANT
	HEALTH FOOD STORE
	HUTSON, KEVIN B
	KISVER, IRA
	MANDEE SHOP
	MC DONALDS
	MERIDIAN BANK
	MOES DELI INC
	PAPER CUTTER
	PET ESSENTIALS
	ROSENBLUTH TRAVEL VACATION CTR
	TAXKETTE
4309	AVELLINO TIRE & AUTO SVC
	J D MORRISSEY INC
	LANSDALE MEDICAL GROUP
	PORTNER, JEFFREY H
	REMAX COUNTY LINE
	SEABRD ATOMTV INC
	SELF OIL HEAT
	WELDON AUTO PARTS INC
4315	CHRISTI, SUSAN
	MCAFEE, J R
4317	MITCHELL, THEO
4319	ESPINOSA, ERIC
4321	OCCUPANT UNKNOWNN
4325	FLUCK, WILLIAM III
4327	OCCUPANT UNKNOWNN
4329	VANPELT, ROBERT C
4331	TRUMBORE, GARY
4335	KUNECK, MICHAEL S
4337	BROWN, ERIC F
4339	MICHNIEWICZ, ROBERT

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 1995 (Cont'd)

4343	BYERS, DENNIS B
4345	DARVILLE, DAVID
4355	OCCUPANT UNKNOWNN
4359	CARTER DONLEVY CO
4365	BOVA FOOD DISTRIBUTORS
	BOVA, ANTHONY
4371	WEBCRAFT MAIL SYST
	WEBCRAFT MAIL SYSTEMS INC
4379	KEMA POWERTEST INC

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 1995

2883	STOUT, MICHAEL B
2901	BEIRNE, RICHARD S
2917	RENNER, KENNETH
2927	RKB CONSTRUCTION INC
2934	STEIN COMPUTER CONSULTANTS
2951	BOARTS, TERRY
2974	DANNAKER, BRUCE
2982	DAVID L SNYDER
3101	MECHANICS TOOL WAREHOUSE
3150	MC KINNEY DRILLING CO
	MCKINNEY DRLNG CO
3400	FMC CORP
	NIMCO AUTO PRODUCT

Target Street	Cross Street	Source
-	✓	Cole Information

LIBERTY LN 1995

120 DELTRONIC LABS INC
121 SKEE BALL INC

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 1995

32	WARMERDAM, JEAN
36	HULSHIZER, WILLIAM R
48	MOKRYNCHUK, WILLIAM
54	BAIR, DENNIS S
	WILSON, JOHN T
58	KRIVACH, MICHAEL E
	TRI COUNTY JANITORIAL SVC
	TRI-CO JANITORL SR
66	DOAK, JOSEPH R
70	BURK, FRANK D
74	SAVINOV, OLEG
78	HERCEG, MICHAEL
84	KIRKPATRICK, KYLE K
201	STESKAL, RONALD J
237	HAINES, SAMUEL E
	NIEVESSOSA, C H
279	HARLEY, CLAUDE L
	RUTH, RODNEY A
309	KNOTT, CRAIG A
314	OCCUPANT UNKNOWNN
315	STOEHR, MICHAEL A
354	VASTA, MICHAEL W

Target Street	Cross Street	Source
✓	-	Cole Information

WALNUT ST 1995

56 NASE, PAT

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 1992

4251	BRADLEY, M A
	CHOYCE, RUSSELL B
	DEBRIGIDA, A L
	DOYLE, E
	GAY, G V
	GENTERT, M A
	GILPIN, CAROL
	GREENWOOD, CHARLES W
	HOLCROFT, EARL T
	HOOD, S
	KAELIN, D
	KUESTNER, JOHN P
	LAUMAKIS, YVONNE
	LEEDOM, THOMAS F
	LITTLE FARM ESTATS
	MCCARTY, J
	MCKINNEY, M
	MICHL, J R
	MICHL, JOSEPH
	NO PENN WNDW CLNG
	POULSON, THOMAS H
	SCHREIBER, R N
	SIMONS, D L
	SPERATH, JOHN A
	SPITZ, GEORGE
	STONG, W
	WILEY, L E
	ZERBE, LEONA E
4275	ART COOP II LTD
	CARMINE&CO HAIR
	CVS PHARMACY
	CVS PHARMCY
	ERCOLINO LEATHER
	GERMANTOWN SAV BNK
	HULTON JEWELERS
	MAKING MEMORIES
	MILLERS COMPUTER
	NW BRTN CLEANERS
	PAPER CUTTER
	THE HLTH FOOD STR
4309	A-AA AUTO RENTAL
	AVELLINO TIRE SRVC
	DR R J MOTLEY
	LANSDALE MEDCL GP
	SEABRD ATOMTV INC
4315	ANTHONY, SAL
4317	MITCHELL, THEO
4319	ESPINOSA, ERIC
4321	BRYANT, CHARLES R
4325	COVELENS, DONALD P

Target Street	Cross Street	Source
-	✓	Cole Information

COUNTY LINE RD 1992 (Cont'd)

4329	FRANKLIN, RITA
4331	TRUMBORE, GARY
4337	BROWN, ERIC F
4339	DWIGHT, ROBERT W
4343	BENNETT, F
4345	LANING, WAYNE
4355	KERNS, SARAH A
4359	CARTER-DONLEVY CO
4365	BOVA FOOD DSTRBTRS
4371	WEBCRAFT MAIL SYS
	WEBCRAFT MAIL SYST
4379	KEMA POWERTEST INC

Target Street	Cross Street	Source
-	✓	Cole Information

E WALNUT ST 1992

2883	BELTZ, D
	LEWIS, EARLE
2884	MARVEL, J
	SCHNEIDER, PAUL E
2893	BUCHTER, WILLIAM C
2896	BUZBY, EDMUND S
2897	VANSCIVER, ROBERT
2901	PRYKAZ, ADAM
2906	COPE, BARBARA N
2907	KWEDER, EDMOND L
2910	LEASE, MICHAEL
2913	STUBER, LUTHER R
2914	FELLMAN, RUSSELL F
2917	RENNER, KENNETH J
2918	CAVE, P J
2925	MOYER, RICHARD D
2926	MOORE, HOWARD W
2927	RKB CONSTRUCTION
2934	FORKER, E K
	SWARTLEY, JAMES R
2935	LANDIS, BRADLEY S
2938	HUEBNER, R
2946	PUGLIESE, VINCENT J
2950	STADELMEYER, RONALD S
2951	WERT, MARIE
2954	MICHENER, EUGENE P
2958	COPE, PAUL
2962	FRETZ, WILBUR R
2966	LINDENMAYER, GEORGE W
2974	REGUL, MATT
2978	CLUCK, WILLIAM C JR
2982	D L SNYDER PBG&HTG
	SNYDER, DAVID L
2986	AUGUSTINOV, SINDY
	RUSSELL, STEVEN
3101	MECHNCS TOOL WRHSE
3150	MCKINNEY DRILLING
	MCKINNEY DRLNG CO
3400	MORTORMITE MFG
	NIMCO AUTO PRODUCT
	R&B INC
28836	INGRAM, GREGORY C

Target Street	Cross Street	Source
-	✓	Cole Information

SCHOOLHOUSE RD 1992

36	HULSHIZER, WILLIAM R
54	WILSON, JOHN T
58	STAGG, ROBERT
	TRI-CO JANITORL SR
66	DOAK, JOSEPH R
70	BURK, FRANK D
74	SAVINOV, OLEG
78	HERCEG, MICHAEL
84	KIRKPATRICK, KYLE K
201	STESKAL, RONALD J
237	HAINES, SAMUEL E
	NIEVESSOSA, C H
279	HARLEY, CLAUDE L
	RUTH, RODNEY A
315	STOEHR, MICHAEL A
324	CROASDALE, BOB
542	HALL, EDWARD P

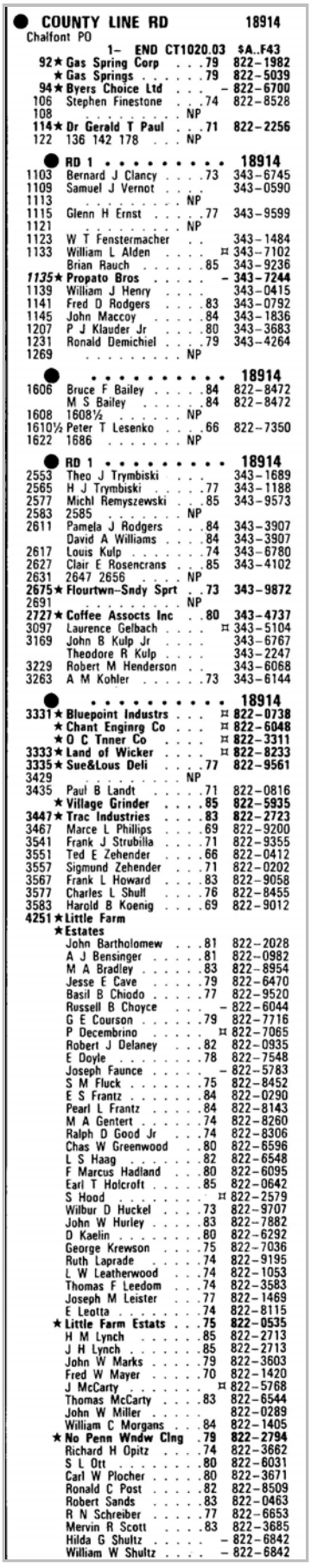
Target Street	Cross Street	Source
✓	-	Cole Information

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56 NASE, PAT

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

COUNTY LINE RD 1987



COUNTY LINE RD 18914
Chalfont PO
1– END CT1020.03 $A..F43
92★ **Gas Spring Corp** 79 822–1982
★ **Gas Springs** 79 822–5039
94★ **Byers Choice Ltd** . . . – 822–6700
106 Stephen Finestone . . .74 822–8528
108 . . . . . NP
114★ **Dr Gerald T Paul** . . .71 822–2256
122 136 142 178 . . . NP

RD 1 18914
1103 Bernard J Clancy 73 343–6745
1109 Samuel J Vernot 343–0590
1113 . . . . . NP
1115 Glenn H Ernst 77 343–9599
1121 . . . . . NP
1123 W T Fenstermacher . . 343–1484
1133 William L Alden . . . . ¤ 343–7102
Brian Rauch 85 343–9236
1135★ **Propato Bros** . . . . . – **343–7244**
1139 William J Henry 343–0415
1141 Fred D Rodgers 83 343–0792
1145 John Maccoy 84 343–1836
1207 P J Klauder Jr 80 343–3683
1231 Ronald Demichiel . . .79 343–4264
1269 . . . . . NP

. 18914
1606 Bruce F Bailey 84 822–8472
M S Bailey 84 822–8472
1608 1608½ . . . . . NP
1610½ Peter T Lesenko . . .66 822–7350
1622 1686 . . . . . NP

RD 1 18914
2553 Theo J Trymbiski . . . 343–1689
2565 H J Trymbiski 77 343–1188
2577 Michl Remyszewski . . .85 343–9573
2583 2585 . . . . . NP
2611 Pamela J Rodgers . . .84 343–3907
David A Williams 84 343–3907
2617 Louis Kulp 74 343–6780
2627 Clair E Rosencrans . . .85 343–4102
2631 2647 2656 . . . . NP
2675★ **Flourtwn–Sndy Sprt** . .73 **343–9872**
2691 . . . . . NP
2727★ **Coffee Assocts Inc** . .80 **343–4737**
3097 Laurence Gelbach . . . . ¤ 343–5104
3169 John B Kulp Jr 343–6767
Theodore R Kulp 343–2247
3229 Robert M Henderson . . 343–6068
3263 A M Kohler 73 343–6144

. 18914
3331★ **Bluepoint Industrs** . . . ¤ **822–0738**
★ **Chant Enginrg Co** . . . ¤ **822–6048**
★ **O C Tnner Co** . . . . ¤ **822–3311**
3333★ **Land of Wicker** . . . . ¤ **822–8233**
3335★ **Sue&Lous Deli** 77 **822–9561**
3429 . . . . . NP
3435 Paul B Landt 71 822–0816
★ **Village Grinder** 85 **822–5935**
3447★ **Trac Industries** 83 **822–2723**
3467 Marce L Phillips 69 822–9200
3541 Frank J Strubilla 71 822–9355
3551 Ted E Zehender 66 822–0412
3557 Sigmund Zehender . . .71 822–0202
3567 Frank L Howard 83 822–9058
3577 Charles L Shull 76 822–8455
3583 Harold B Koenig 69 822–9012
4251★ **Little Farm**
★ **Estates**
John Bartholomew . . .81 822–2028
A J Bensinger 81 822–0982
M A Bradley 83 822–8954
Jesse E Cave 79 822–6470
Basil B Chiodo 77 822–9520
Russell B Choyce . . . – 822–6044
G E Courson 79 822–7716
P Decembrino . . . . . ¤ 822–7065
Robert J Delaney . . .82 822–0935
E Doyle 78 822–7548
Joseph Faunce . . . . . – 822–5783
S M Fluck 75 822–8452
E S Frantz 84 822–0290
Pearl L Frantz 84 822–8143
M A Gentert 74 822–8260
Ralph D Good Jr . . .74 822–8306
Chas W Greenwood . . .80 822–6596
L S Haag 82 822–6548
F Marcus Hadland . . .80 822–6095
Earl T Holcroft 85 822–0642
S Hood . . . . . ¤ 822–2579
Wilbur D Huckel 73 822–9707
John W Hurley 83 822–7882
D Kaelin 80 822–6292
George Krewson 75 822–7036
Ruth Laprade 74 822–9195
L W Leatherwood . . .74 822–1053
Thomas F Leedom . . .74 822–3583
Joseph M Leister . . .77 822–1469
E Leotta 74 822–8115
★ **Little Farm Estats** . . .75 **822–0535**
H M Lynch 85 822–2713
J H Lynch 85 822–2713
John W Marks 79 822–3603
Fred W Mayer 70 822–1420
J McCarty . . . . . ¤ 822–5768
Thomas McCarty 83 822–6544
John W Miller 822–0289
William C Morgans . . .84 822–1405
★ **No Penn Wndw Clng** .79 **822–2794**
Richard H Opitz 74 822–3662
S L Ott 80 822–6031
Carl W Plocher 80 822–3671
Ronald C Post 82 822–8509
Robert Sands 83 822–0463
R N Schreiber 77 822–6653
Mervin R Scott 83 822–3685
Hilda G Shultz . . . . . – 822–6842
William W Shultz . . . . – 822–6842

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

COUNTY LINE RD 1987

COUNTY LINE RD

			18914
4251	E A Smith	83	822-3982
	James M Snell	81	822-0443
	John A Sperath	84	822-6892
	George Spitz	79	822-9442
	H V Stanton	73	822-1767
	Earl W Strouse	76	822-8474
	D Thomas	81	822-0443
	M Trucksess	85	822-1522
	Stella Trzaska	85	822-1035
	I D Vernon	78	822-2269
	Mrs Walter J Wales	72	822-3031
	Edith Walker	81	822-3122
	Ray J Wartman	79	822-1593
	Erik Weikel	82	822-8576
	H J Weikel	82	822-8576
	William A Wright	74	822-0876
4277	William A Andre	71	822-9192
4309	**★ D Carrs Tire&Auto**	**85**	**643-2861**
	★ D Carrs Tire&Auto	**85**	**822-3391**
4315	Sal Anthony	85	822-0183
4317	Theodore Mitchell	76	822-0742
4319	Monty C Wolfinger	79	822-9419
4321	Charles R Bryant	72	822-0359
4325	Donald P Covelens	69	822-0944
4327		NP	
4329	Jeffrey M Franklin	85	822-1498
4331	4333 4335	NP	
4337	James R Hentz Jr	69	822-9626
4339	Robert W Dwight	72	822-2396
4343	Dennis B Byers	79	822-8109
4345	W Laning	85	822-6315
4355	S A Kerns	77	822-2217
4371	**★ Webcraft Mail Syst**	**85**	**822-3200**
4379	**★ Bbc Brown Boveri**	**84**	**822-4231**
NO #	Ernest J Andre	71	368-0696
NO #	Mrs Flor Bailey	73	822-0754
NO #	Howard B Clower	71	822-3466
NO #	Harvey H Craven		343-6644
NO #	Louis Distefano		343-1175
NO #	William B Gelbach		343-0135
NO #	R M Hawthorne Jr		343-0776
NO #	Milton T Henry		343-1544
NO #	A Leon		343-6597
NO #	Thaddeus A Luczak	71	822-9430
NO #	Harry Musselman		343-1881
NO #	**★ Pat Haugh Signs**	**¤**	**343-0169**
NO #	James W Scholes Jr	73	822-9525
NO #	**★ Shawnee Travel**	**¤**	**822-6111**
NO #	**★ St John Nwmn Cmtry**	**82**	**822-0680**
	145 RESIDENCE	23	BUSINESS

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

E WALNUT ST 1987

L Graham 71 352-6387
T Harvey 85 352-0347
William A Huhn . . . 75 352-9231
Tom Kramer . . . . . - 352-6878
Ana Lopez . . . . . ⌗ 352-4197
Mariela Lopez . . . . ⌗ 352-4197
E Milligan . . . . . - 352-9281
Blanche M Morris . . 72 352-4328
V G Morrison 85 352-7268
Ty Oh 83 352-8492
E Papadopoulos . . . 85 352-7493
Levino Razzi 82 352-0608
William Sadler . . . 85 352-1854
F Satterthwaite . . . 85 352-9115
A Smiler . . . . . ⌗ 352-6577
S K Stefens 77 352-8985
★ **Stnhrst Court Apt** . . . **352-1879**
Frank Thomson . . . 83 352-7523
Michael Tiskus . . . 84 352-5976
O M Usas 72 734-1093
7247 Kevin F Thompson . . 84 352-5998
7249 John Daley 83 352-7522
7251 J G Stoinbacher . . 55 352-9146
7253 Robert Gibson Jr . . 82 352-1465
7255 . . . . . NP
7257 ★ **Lubragge Cnstrctn . . 85 352-8664**
7259 P Onesti 82 352-1764
7261 Jim R Thomas Jr . . 85 352-0583
7263 . . . . . NP
7265 Thos McCarney III . . 79 352-2215
7267 George A Dolan . . . 72 352-6151
7269 David Potts . . . . ⌗ 352-5768
7271 Ilias A Bottos . . . 70 352-4502
7273 W S Gordon 55 352-5415
7275 Frank J Mulligan . . 75 352-5989
7277 L L Trial 63 252-6298
7279 J D Nicola 69 734-1999
7281 . . . . . NP
7283 William Fulton . . . 80 734-1831
William P Fulton . . . 80 352-1959
82 RESIDENCE 42 BUSINESS

● WALNUT ST 19464

Stowe
Pottstown PO
200- 599 CT2092.02 $D..H37

209 David L Dutton . . . 80 326-4124
213 William Burkett . . . 77 326-7184
224 J M Edinger 85 326-5859
225 Neil T Hipszer . . . 69 326-0318
226 F V Johnson . . . . ⌗ 327-9405
5 RESIDENCE

● WALNUT ST 19372

Thorndale
Downingtown PO
3100- 3399 CT3042.01 $B..F27

3260 Richard E Halsey . . 83 383-7474
3261 . . . . . NP
3262 Edward Cloud . . . 73 384-7539
3265 . . . . . NP
3308 Michael Horan . . . . - 384-6576
3310 Henry L Finck . . . 78 383-5544
3312 Nicholas Dimattei . . 77 384-2291
7 RESIDENCE

● WALNUT ST 19390

West Grove PO
100- 299 CT3063 $C..E24

100 C Sumner Massey . . . 869-9330
Charles A Massey . . 85 869-9345
102 ★ W Grv Fire Ambulnc . 79 869-3539
★ West Grove Fire . . 79 869-9326
114 William Norton . . . . - 869-9408
116 Richard L Connell . . 79 869-9536
120 Mrs Lillian Morton . . 69 869-2632
121 . . . . . NP
122 L W Gill 69 869-9050
Missie Gill 83 869-3990
124 Gary C Taylor . . . ⌗ 869-2721
144 . . . . . NP
200 George L Anderson . . 59 869-9427
201 Mrs R W Lord . . . 57 889-2814
202 . . . . . NP
203 John L Porter IV . . . 80 869-3729
205 L H Diflippo . . . 75 869-2141
206 E A Bove . . . . . ⌗ 869-3695
Bob S Brown 85 869-8349
Roger J Duvall . . . 72 869-3474
207 Peter Grossweiler . . . 85 869-8830
209 Michael P Ford . . . 78 869-9671
210 M W Ewing 79 869-9674
F H Ward 78 869-9254
213 Clyde W Reynolds . . 54 869-9004
NO # ★ W Grove Knittg Ml . . . 869-2416
NO # ★ W Grove Knittg Ml . . ⌗ 869-2545
23 RESIDENCE 4 BUSINESS

● WALNUT ST E 19320

Coatesville PO
800- 1099 CT3057 $C..B23

823 Alex Pulinka 73 384-8934
1 RESIDENCE

● WALNUT ST E 18915

Colmar PO
1- 199 CT2007.03 $B..C34

101 102 104 108 . . . NP
108 110 . . . . . NP
111 William Buchter . . 68 822-9590
112 . . . . . NP
113 Robert Vansciver . . 74 822-2353
114 Russell Fellman . . 69 822-0385
115 116 . . . . . NP
117 Edmond Kweder . . . 74 822-2123
118 Charles Croak . . . 74 822-9023
119 120 121 122 . . . NP
123 . . . . . NP
124 James R Swartley . . 77 822-8308
126 127 128 129 . . . NP
130 131 132 . . . . . NP
134 Eugene P Michener . . 67 822-9085
Marion R Michener . . 74 822-9085
135 136 . . . . . NP
138 W R Fretz 74 822-2891
139 Paul D Elston . . . 81 822-3035
141 . . . . . NP
142 Theodore W Kohler . . 74 822-7463
144 . . . . . NP
146 W Cluck Jr 71 822-2335
148 . . . . . NP
150 Robert S Kinsey . . . 85 822-0574

● **HWY CONTRACT 1 . . . 18915**
2974 Matt Regul . . . . . ⌗ 822-9415
3150 ★ McKinney Dring Co . . 82 643-0238

NO # M L Fretz 71 822-9031
NO # Mrs O Markert Sr . . 74 822-2373
NO # B J Weigner 68 822-7008
43 RESIDENCE 1 BUSINESS

● WALNUT ST E 19454

North Wales PO
100- 799 CT2011 $B..D34
800- 1299 CT2010.03 $A..D34

6½ ★ Dougs Auto Body . . 84 699-8183
103 ★ Old No Wales Mrkt . . 81 699-8323
108 . . . . . NP
110 ★ G Stanbridge Assoc . . 85 699-7181
111 112 115 126 . . . NP
2 & ★ Tex-Mex Connection . . ⌗ 699-9552
★ Wales Junction . . . 83 699-9552
201 206 . . . . . NP
207 Bob Belson 84 699-7680
208 209 . . . . . NP
213 ★ M A Gambino Ins . . . - 699-8858
215 . . . . . NP
216 H B Singer 78 699-4134
Mildred K Stanley . . 83 699-5040
217 ★ Surprise Pckgs . . . ⌗ 699-7217
305 . . . . . NP
309 J A Dague . . . . . ⌗ 699-7178
J L Dague . . . . . ⌗ 699-7178
Esther P Thorp . . . 72 699-9489
George J Thorp Jr . . 64 699-9489
318 . . . . . NP
402 John K Geyer . . . 66 699-5561
403 ★ Colonial Rstrtn Pr . . ⌗ 699-3133
★ Impress Printing . . . ⌗ 699-8486
405 ★ Just Jumps 80 699-7865
H Schuster 71 699-5491
★ Terence L Brown . . . ⌗ 699-7751
412 James H Gross . . . 85 699-9377
Effie Patrick 64 699-4633
L A Shannon 85 699-5785
414 Daniel Frone Jr . . . 83 699-7611
★ North Wales News . . 84 699-3236
N A Pelham 84 699-5252
425 436 . . . . . NP
499 ★ Harrington Textils . . 83 699-4413
5 & ★ Prince Wales Tvrn . 74 699-7288
6 & ★ Nrth Wales Ser Ctr . . 699-3120
★ Reno Construction . 81 699-7447
★ Reno Construction . 82 699-9040
★ Western Wall Sys . . ⌗ 699-2220
601 L A Bowser 85 699-8283
605 . . . . . NP
607 Rudy Kadlecik . . . 83 699-9686
617 P Barnes 84 699-4704
619 Dean Shannon . . . 85 699-3789
620 Ray W Moyer . . . . ⌗ 699-7569
623 Eugene O Behn Jr . . 85 699-2451
625 John A Rinker . . . 65 699-3962
700 ★ Battle Zone Inc . . . ⌗ 699-8469
C K Jones 85 699-2482
★ Kellners Lawn&Leis . 81 699-9586
★ Kellners Lawn&Leis . 81 699-8469
Earl W Wampole . . 82 699-4601
701 N Marshall 80 699-4624
703 C Gwin . . . . . ⌗ 699-5840
705 Michael Bitto . . . 62 699-3214
706 T C Fredericks Jr . . ⌗ 699-9134
708 . . . . . NP
715 Stephen J Homa . . . 80 699-7977
717 T M Ellis 84 699-9089
E A Iwanowicz . . . 78 699-5694
719 A R Geesaman . . . 62 699-3466
801 A N Weaver 75 699-5462
803 W J McWilliams . . . 77 699-7917
805 George H Rea . . . 64 699-9142
807 Charles F Randik . . 76 699-4697
809 R L Frescatore . . . 62 699-4934
811 . . . . . NP
815 C Lloyd Radcliff . . 62 699-8178
917 W V McCartney . . . 72 699-7119
921 Chas J Barshinger . . 73 699-7250
10 & Raymond Matthews . . . 699-3162
1201 ★ Pennbrk Mid Schl . . 80 699-9287
★ Pennbrook Midle . . . 699-9287
1280 . . . . . NP
NO # ★ A&M Laundromat . . 80 699-9881
NO # ★ Affordable Auto Sa . 83 699-3136
NO # ★ Bers Corp 85 699-5766
NO # ★ Fitzpatrick Contnr . . . 699-3514
NO # Charles S Graves . . . 74 699-3630
NO # ★ Med-Alert 85 699-5766
NO # ★ Medcl Alert Sytm . . 85 699-5766
59 RESIDENCE 29 BUSINESS

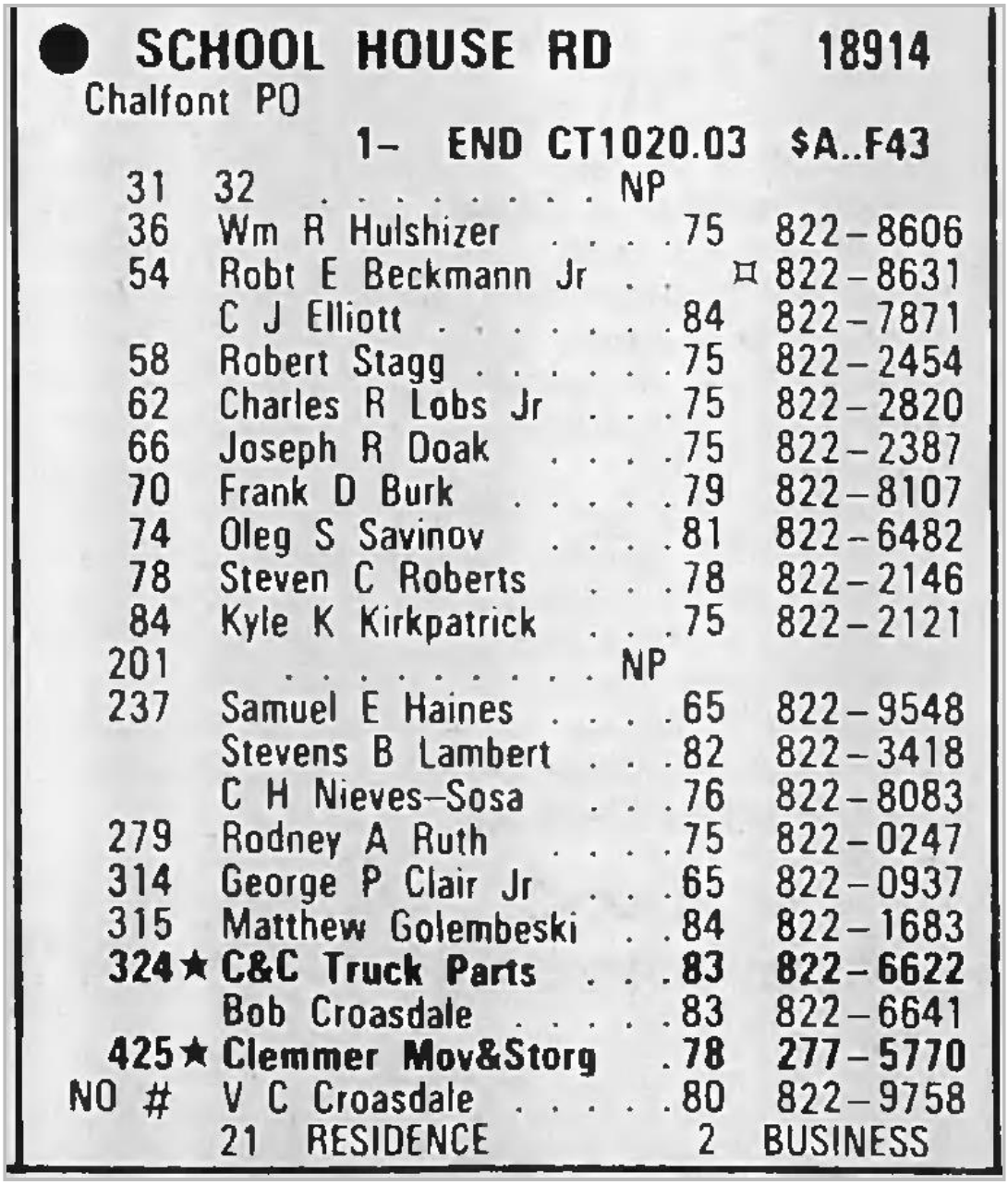
● WALNUT ST E 18944

Perkasie PO
1- END CT1024 $B..E42

7 ★ Lenape Castings . . 84 257-0431
100 ★ G C Weimer Ins . . 85 257-9171
104 R L Hollenbach Jr . . 85 257-6491
Mark A Johnson . . . 84 257-2401
Jas Thomas . . . . . ⌗ 453-0406
108 Aaron Nace 71 257-5379
★ Naces Greenhouses . . 257-6367
125 G Patterson . . . . . ⌗ 453-0398
128 Robert L Bockius . . 65 257-2382
129 Roger Wenhold . . . 74 257-8258
147 Alverna Hager . . . 78 257-2514
203 Robert J Smalley . . . 85 257-0546
204 Stanley H Kline . . . 68 257-9691
206 W Later 69 257-9535
207 William H Beer Jr . . 68 257-7528
208 Dorothy Kulp . . . . - 257-7979
209 W Glenn Freed . . . 69 257-9761
219 Rev Lauren D Rhine . . 77 257-8132
301 Merrill S Alderfer . . 69 257-2189
305 Robert Schrader . . . 77 257-7692
312 William R Searight . . . - 453-1798
313 I Knickerbocker . . . ⌗ 453-0373
316 Marvin Snyder . . . 67 257-7374
317 . . . . . NP
325 S M Dover . . . . . ⌗ 453-1627
Frank S Moyer . . . 64 257-7989
327 Timothy Cash 79 257-1246
330 Henry B Kerver . . . 79 257-5418
331 ★ Kramer Bros 257-3361
Janice M Kramer . . 82 257-1247
★ Robert L Kramer . . . 71 257-3361
334 James F Holnick . . . 74 257-5746
336 Clyde G Beck 72 257-3163
341 C R Lanzetta Jr . . . 84 257-7541
342 Walter Herstine . . . 61 257-2621
350 Thomas E Emig . . . 81 257-5528
401 Lester E Gruver . . . 75 257-7890
410 ★ Champion Pants Mfg . . 257-6845
★ Royal Pants Mfg Co . . 257-6845

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

SCHOOLHOUSE RD 1987



SCHOOL HOUSE RD **18914**

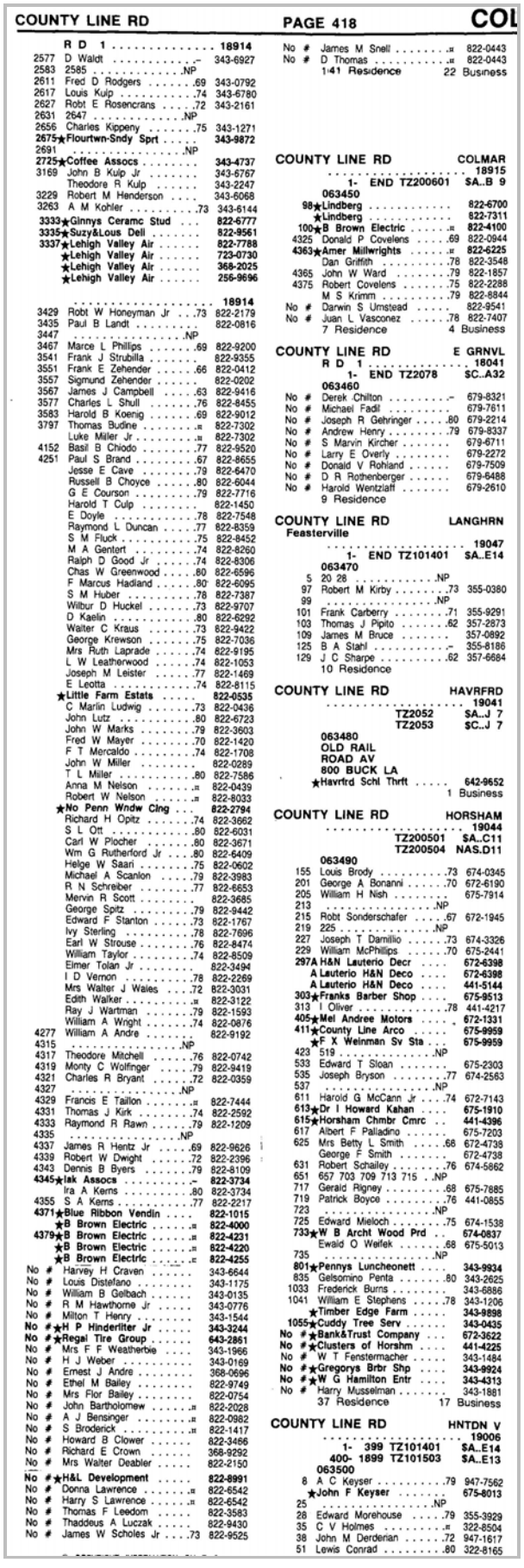
Chalfont PO

1– END CT1020.03 $A..F43

31	32	NP	
36	Wm R Hulshizer . . .	.75	822–8606
54	Robt E Beckmann Jr . .	⌑	822–8631
	C J Elliott	.84	822–7871
58	Robert Stagg	.75	822–2454
62	Charles R Lobs Jr . . .	.75	822–2820
66	Joseph R Doak	.75	822–2387
70	Frank D Burk	.79	822–8107
74	Oleg S Savinov	.81	822–6482
78	Steven C Roberts . . .	.78	822–2146
84	Kyle K Kirkpatrick . . .	.75	822–2121
201	. . . . .	NP	
237	Samuel E Haines	.65	822–9548
	Stevens B Lambert . . .	.82	822–3418
	C H Nieves–Sosa . . .	.76	822–8083
279	Rodney A Ruth	.75	822–0247
314	George P Clair Jr . . .	.65	822–0937
315	Matthew Golembeski . .	.84	822–1683
324★	**C&C Truck Parts . . .**	**.83**	**822–6622**
	Bob Croasdale	.83	822–6641
425★	**Clemmer Mov&Storg**	**.78**	**277–5770**
NO #	V C Croasdale	.80	822–9758
	21 RESIDENCE	2	BUSINESS

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

COUNTY LINE RD 1982



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R D 1 18914
2577 D Waldt . . . . . .- 343-6927
2583 2585 . . . . . .NP
2611 Fred D Rodgers 69 343-0792
2617 Louis Kulp 74 343-6780
2627 Robt E Rosencrans 72 343-2161
2631 2647 . . . . . .NP
2656 Charles Kippeny 75 343-1271
2675★Flourtwn-Sndy Sprt 343-9872
2691 . . . . . .NP
2725★Coffee Assocs 343-4737
3169 John B Kulp Jr 343-6767
Theodore R Kulp 343-2247
3229 Robert M Henderson 343-6068
3263 A M Kohler 73 343-6144
3333★Ginnys Ceramc Stud . . . 822-6777
3335★Suzy&Lous Deli 822-9561
3337★Lehigh Valley Air 822-7788
★Lehigh Valley Air 723-0730
★Lehigh Valley Air 368-2025
★Lehigh Valley Air 256-9696

. 18914
3429 Robt W Honeyman Jr . . .73 822-2179
3435 Paul B Landt 822-0816
3447 . . . . . .NP
3467 Marce L Phillips 69 822-9200
3541 Frank J Strubilla 822-9355
3551 Frank E Zehender 66 822-0412
3557 Sigmund Zehender 822-0202
3567 James J Campbell 63 822-9416
3577 Charles L Shull 76 822-8455
3583 Harold B Koenig 69 822-9012
3797 Thomas Budine . . . . . .R 822-7302
Luke Miller Jr . . . . . .R 822-7302
4152 Basil B Chiodo 77 822-9520
4251 Paul S Brand 67 822-8655
Jesse E Cave 79 822-6470
Russell B Choyce 80 822-6044
G E Courson 79 822-7716
Harold T Culp 822-1450
E Doyle 78 822-7548
Raymond L Duncan 77 822-8359
S M Fluck 75 822-8452
M A Gentert 74 822-8260
Ralph D Good Jr 74 822-8306
Chas W Greenwood 80 822-6596
F Marcus Hadland 80 822-6095
S M Huber 78 822-7387
Wilbur D Huckel 73 822-9707
D Kaelin 80 822-6292
Walter C Kraus 73 822-9422
George Krewson 75 822-7036
Mrs Ruth Laprade 74 822-9195
L W Leatherwood 74 822-1053
Joseph M Leister 77 822-1469
E Leotta 74 822-8115
★Little Farm Estats 822-0535
C Marlin Ludwig 73 822-0436
John Lutz 80 822-6723
John W Marks 79 822-3603
Fred W Mayer 70 822-1420
F T Mercaldo 74 822-1708
John W Miller 822-0289
T L Miller 80 822-7586
Anna M Nelson . . . . . .R 822-0439
Robert W Nelson . . . . . .R 822-8033
★No Penn Wndw Clng . . . 822-2794
Richard H Opitz 74 822-3662
S L Ott 80 822-6031
Carl W Plocher 80 822-3671
Wm G Rutherford Jr 80 822-6409
Helge W Saari 75 822-0602
Michael A Scanlon 79 822-3983
R N Schreiber 77 822-6653
Mervin R Scott 822-3685
George Spitz 79 822-9442
Edward F Stanton 73 822-1767
Ivy Sterling 78 822-7696
Earl W Strouse 76 822-8474
William Taylor 74 822-8509
Elmer Tolan Jr 822-3494
I D Vernon 78 822-2269
Mrs Walter J Wales 72 822-3031
Edith Walker . . . . . .R 822-3122
Ray J Wartman 79 822-1593
William A Wright 74 822-0876
4277 William A Andre 822-9192
4315 . . . . . .NP
4317 Theodore Mitchell 76 822-0742
4319 Monty C Wolfinger 79 822-9419
4321 Charles R Bryant 72 822-0359
4327 . . . . . .NP
4329 Francis E Tallon . . . . . .R 822-7444
4331 Thomas J Kirk 74 822-2592
4333 Raymond R Rawn 79 822-1209
4335 . . . . . .NP
4337 James R Heritz Jr 69 822-9626
4339 Robert W Dwight 72 822-2396
4343 Dennis B Byers 79 822-8109
4345★Iak Assocs . . . . . .- 822-3734
Ira A Kerns 80 822-3734
4355 S A Kerns 77 822-2217
4371★Blue Ribbon Vendin 822-1015
★B Brown Electric . . . . . .R 822-4000
4379★B Brown Electric . . . . . .R 822-4231
★B Brown Electric . . . . . .R 822-4220
★B Brown Electric . . . . . .R 822-4255
No # Harvey H Craven 343-6644
No # Louis Distefano 343-1175
No # William B Gelbach 343-0135
No # R M Hawthorne Jr 343-0776
No # Milton T Henry 343-1544
No #★H P Hinderliter Jr 343-3244
No #★Regal Tire Group 643-2861
No # Mrs F F Weatherbie 343-1966
No # H J Weber 343-0169
No # Ernest J Andre 368-0696
No # Ethel M Bailey 822-9749
No # Mrs Flor Bailey 822-0754
No # John Bartholomew . . . . . .R 822-2028
No # A J Bensinger . . . . . .R 822-0982
No # S Broderick . . . . . .R 822-1417
No # Howard B Clower 822-3486
No # Richard E Crown 368-9292
No # Mrs Walter Deabler 822-2150
No #★H&L Development 822-8991
No # Donna Lawrence . . . . . .R 822-6542
No # Harry S Lawrence . . . . . .R 822-6542
No # Thomas F Leedom 822-3583
No # Thaddeus A Luczak 822-9430
No # James W Scholes Jr 73 822-9525
No # James M Snell . . . . . .R 822-0443
No # D Thomas . . . . . .R 822-0443
1141 Residence 22 Business

COUNTY LINE RD COLMAR
. 18915
1- END TZ200601 $A..B 9
063450
98★Lindberg 822-6700
★Lindberg 822-7311
100★B Brown Electric . . . . . .R 822-4100
4325 Donald P Covelens 69 822-0944
4363★Amer Millwrights . . . . . .R 822-6225
Dan Griffith 78 822-3548
4365 John W Ward 79 822-1857
4375 Robert Covelens 75 822-2288
M S Krimm 79 822-8844
No # Darwin S Umstead 822-9541
No # Juan L Vasconez 78 822-7407
7 Residence 4 Business

COUNTY LINE RD E GRNVL
R D 1 18041
1- END TZ2078 $C..A32
063460
No # Derek Chilton . . . . . .- 679-8321
No # Michael Fadil 679-7611
No # Joseph R Gehringer 80 679-2214
No # Andrew Henry 79 679-8337
No # S Marvin Kircher 679-6711
No # Larry E Overly 679-2272
No # Donald V Rohland 679-7509
No # D R Rothenberger 679-6488
No # Harold Wentzlaff 679-2610
9 Residence

COUNTY LINE RD LANGHRN
Feasterville
. 19047
1- END TZ101401 $A..E14
063470
5 20 28 . . . . . .NP
97 Robert M Kirby 73 355-0380
99 . . . . . .NP
101 Frank Carberry 71 355-9291
103 Thomas J Pipito 62 357-2873
109 James M Bruce 357-0892
125 B A Stahl . . . . . .- 355-8186
129 J C Sharpe 62 357-6684
10 Residence

COUNTY LINE RD HAVRFRD
. 19041
TZ2052 $A..J 7
TZ2053 $C..J 7
063480
OLD RAIL
ROAD AV
800 BUCK LA
★Havrfrd Schl Thrft 642-9652
1 Business

COUNTY LINE RD HORSHAM
. 19044
TZ200501 $A..C11
TZ200504 NAS.D11
063490
155 Louis Brody 73 674-0345
201 George A Bonanni 70 672-6190
205 William H Nish 675-7914
213 . . . . . .NP
215 Robt Sonderschafer 67 672-1945
219 225 . . . . . .NP
227 Joseph T Damillio 73 674-3326
229 William McPhillips 70 675-2441
297A H&N Lauterio Decr 672-6398
A Lauterio H&N Deco 672-6398
A Lauterio H&N Deco 441-5144
303★Franks Barber Shop 675-9513
313 I Oliver 78 441-4217
405★Mel Andree Motors 672-1331
411★County Line Arco 675-9959
★F X Weinman Sv Sta . . . 675-9959
423 519 . . . . . .NP
533 Edward T Sloan 675-2303
535 Joseph Bryson 77 674-2563
537 . . . . . .NP
611 Harold G McCann Jr 74 672-7143
613★Dr I Howard Kahan 675-1910
615★Horsham Chmbr Cmrc . . 441-4396
617 Albert F Palladino 675-7203
625 Mrs Betty L Smith 68 672-4738
George F Smith 672-4738
631 Robert Schailey 76 674-5862
651 657 703 709 713 715 . .NP
717 Gerald Rigney 68 675-7885
719 Patrick Boyce 76 441-0855
723 . . . . . .NP
725 Edward Mieloch 75 674-1538
733★W B Archt Wood Prd . . 674-0837
Ewald O Wefek 68 675-5013
735 . . . . . .NP
801★Pennys Luncheonett 343-9934
835 Gelsomino Penta 80 343-2625
1033 Frederick Burns 343-6886
1041 William E Stephens 78 343-1206
★Timber Edge Farm 343-9898
1055★Cuddy Tree Serv 343-0435
No #★Bank&Trust Company . . . 672-3622
No #★Clusters of Horshm 441-4225
No # W T Fenstermacher 343-1484
No #★Gregorys Brbr Shp 343-9924
No #★W G Hamilton Entr 343-4313
No # Harry Musselman 343-1881
37 Residence 17 Business

COUNTY LINE RD HNTDN V
. 19006
1- 399 TZ101401 $A..E14
400- 1899 TZ101503 $A..E13
063500
8 A C Keyser 79 947-7562
★John F Keyser 675-8013
25 . . . . . .NP
28 Edward Morehouse 79 355-3929
35 C V Holmes . . . . . .R 322-8504
38 John M Derderian 72 947-1617
51 Lewis Conrad 80 322-8165

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

E WALNUT ST 1982

WALNUT ST E COLMAR

. 18915

1- 199 TZ200701 $B..B 8

281860

101	R J Interrante . . . . . ¤	822-7075
102	104 . . . . . .NP	
106	Edmund S Buzby	822-2149
108	Bessie Fabiano 63	822-2463
110	Barbara N Cope 77	822-2141
111	William Buchter 68	822-9590
112	. . . . . .NP	
113	Robert Vansciver	822-2353
114	Russell Fellman 69	822-0385
115	Adam Prykaz	822-0872
116	. . . . . .NP	
117	Edmond Kweder	822-2123
118	Charles Croak	822-9023
119	120 121 . . . . . .NP	
122	William R Floyd 80	822-0628
123	M Renner 63	822-9391
124	James R Swartley 77	822-8308
126	. . . . . .NP	
127	Olena Prymak	822-9631
128	Norman H Dorn	822-2458
129	Richard D Moyer 78	822-1898
130	Mrs J G Leatherman 67	822-3109
131	Timothy Ehst 79	822-6858
132	Ronald Stadelmeyer 65	822-9427
134	Eugene P Michener 67	822-9085
	Marion R Michener	822-9085
135	136 . . . . . .NP	
138	W R Fretz	822-2891
139	Paul D Elston . . . . . ¤	822-3035
141	. . . . . .NP	
142	Theodore W Kohler	822-7463
144	Frank Clarkson 70	822-1229
146	W Cluck Jr 71	822-2335
148	. . . . . .NP	
150	F Kinsey 70	822-0574
154	**★McKinney Drilling . . . . . .**	**822-3328**
	★McKinney Drilling	**643-0238**
No #	M L Fretz 71	822-9031
No #	Mrs O Markert Sr	822-2373
No #	B J Weigner 68	822-7008

42 Residence 2 Business

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

SCHOOLHOUSE RD 1982

SCHOOLHOUSE RD CHALFNT

. 18914

1- END TZ102001 $A..L26

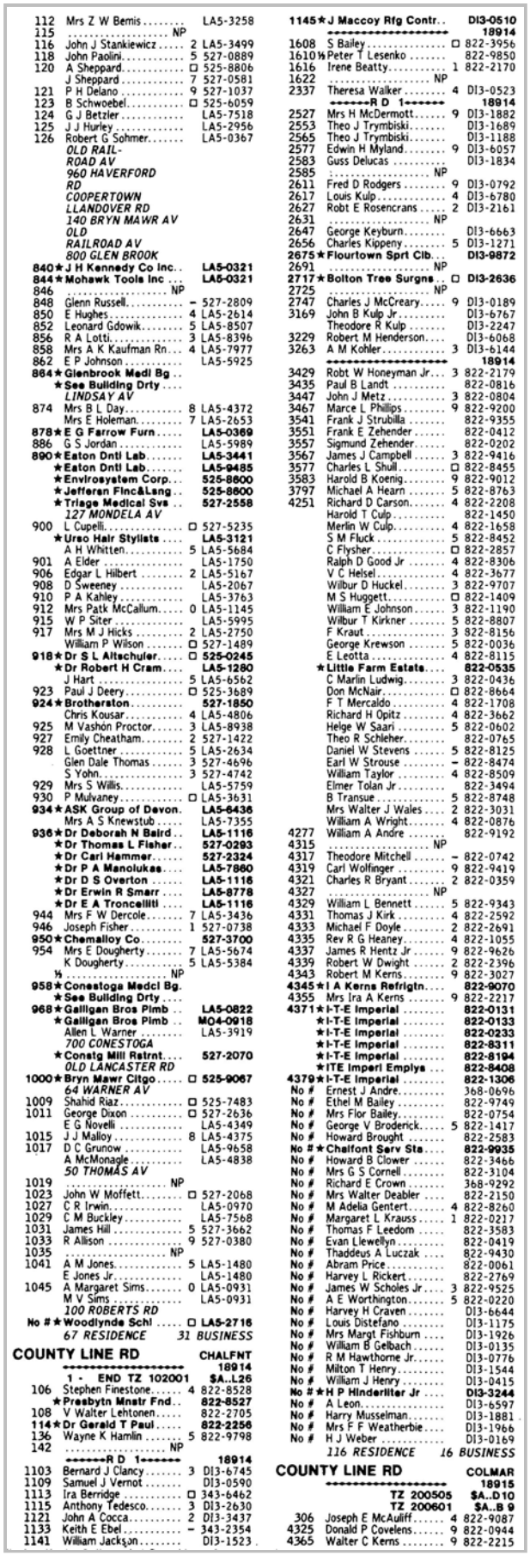
241200

31	. . . . . .NP	
32	Charles E Imbriale 80	822-2654
36	Wm R Hulshizer 75	822-8606
54	Robert Hark 80	822-6694
	D Michael Shaw 79	822-1005
58	Robert Stagg 75	822-2454
62	Charles R Lobs Jr 75	822-2820
66	Joseph R Doak 75	822-2387
70	Frank D Burk 79	822-8107
74	Oleg S Savinov . . . . . .¤	822-6482
78	Steven C Roberts 78	822-2146
84	Kyle K Kirkpatrick 75	822-2121
119	. . . . . .NP	
201	David Weber 80	822-2008
	Hollis Weber 80	822-2008
237	Samuel E Haines	822-9548
	C H Nieves-Sosa 76	822-8083
279	Rodney A Ruth 75	822-0247
	Willard D Ruth 75	822-0617
314	George P Clair Jr	822-0937
324	Robert H Croasdale . . . . .–	822-6137
	Thomas Huf 80	822-3724
425	**★Clemmer Movng&Strg . . .**	**277-5770**
526	528 . . . . . .NP	
532	Margt W Mokrynchuk 71	822-3803
534	540 542 544 546 548 . .NP	
550	554 559 . . . . . .NP	
No #	V C Croasdale 80	822-9758
No #	David L Weber . . . . . .¤	822-1799

36 Residence 1 Business

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

COUNTY LINE RD 1976



112 Mrs Z W Bemis LA5-3258
115 ..... NP
116 John J Stankiewicz 2 LA5-3499
118 John Paolini 5 527-0889
120 A Sheppard ..... □ 525-8806
J Sheppard 7 527-0581
121 P H Delano 9 527-1037
123 B Schwoebel ..... □ 525-6059
124 G J Betzler LA5-7518
125 J J Hurley LA5-2956
126 Robert G Sohmer LA5-0367
OLD RAIL-
ROAD AV
960 HAVERFORD
RD
COOPERTOWN
LLANDOVER RD
140 BRYN MAWR AV
OLD
RAILROAD AV
800 GLEN BROOK
840★J H Kennedy Co Inc.. LA5-0321
844★Mohawk Tools Inc ... LA5-0321
846 ..... NP
848 Glenn Russell ..... – 527-2809
850 E Hughes 4 LA5-2614
852 Leonard Gdowik 5 LA5-8507
856 R A Lotti 3 LA5-8396
858 Mrs A K Kaufman Rn... 4 LA5-7977
862 E P Johnson LA5-5925
864★Glenbrook Medl Bg ..
★See Building Drty ....
LINDSAY AV
874 Mrs B L Day 8 LA5-4372
Mrs E Holeman 7 LA5-2653
878★E G Farrow Furn LA5-0369
886 G S Jordan LA5-5989
890★Eaton Dntl Lab LA5-3441
★Eaton Dntl Lab LA5-9485
★Envirosystem Corp... 525-8600
★Jefferan Finc&Leng .. 525-8600
★Triage Medical Svs .. 527-2558
127 MONDELA AV
900 L Cupelli ..... □ 527-5235
★Urso Hair Stylists LA5-3121
A H Whitten 5 LA5-5684
901 A Elder LA5-1750
906 Edgar L Hilbert 2 LA5-5167
908 D Sweeney LA5-2067
910 P A Kahley LA5-3763
912 Mrs Patk McCallum..... 0 LA5-1145
915 W P Siter LA5-5995
917 Mrs M J Hicks 2 LA5-2750
William P Wilson ..... □ 527-1489
918★Dr S L Altschuler..... □ 525-0245
★Dr Robert H Cram.... LA5-1280
J Hart 5 LA5-6562
923 Paul J Deery ..... □ 525-3689
924★Brotherston 527-1850
Chris Kousar 4 LA5-4806
925 M Vashon Proctor..... 3 LA5-8938
927 Emily Cheatham..... 2 527-1422
928 L Goettner 5 LA5-2634
Glen Dale Thomas 3 527-4696
S Yohn 3 527-4742
929 Mrs S Willis LA5-5759
930 P Mulvaney ..... □ LA5-3631
934★ASK Group of Devon. LA5-6436
Mrs A S Knewstub LA5-7355
936★Dr Deborah N Baird .. LA5-1116
★Dr Thomas L Fisher .. 527-0293
★Dr Carl Hammer 527-2324
★Dr P A Manolukas.... LA5-7860
★Dr D S Overton LA5-1116
★Dr Erwin R Smarr LA5-8778
★Dr E A Troncelliti LA5-1116
944 Mrs F W Dercole..... 7 LA5-3436
946 Joseph Fisher 1 527-0738
950★Chemalloy Co 527-3700
954 Mrs E Dougherty..... 7 LA5-5674
K Dougherty 5 LA5-5384
½ ..... NP
958★Conestoga Medcl Bg.
★See Building Drty ....
968★Galligan Bros Plmb .. LA5-0822
★Galligan Bros Plmb .. MO4-0918
Allen L Warner LA5-3919
700 CONESTOGA
★Constg Mill Retrnt.... 527-2070
OLD LANCASTER RD
1000★Bryn Mawr Citgo..... □ 525-9067
64 WARNER AV
1009 Shahid Riaz ..... □ 525-7483
1011 George Dixon ..... □ 527-2636
E G Novelli LA5-4349
1015 J J Malloy 8 LA5-4375
1017 D C Grunow LA5-9658
A McMonagle LA5-4838
50 THOMAS AV
1019 ..... NP
1023 John W Moffett..... □ 527-2068
1027 C R Irwin LA5-0970
1029 C M Buckley LA5-7568
1031 James Hill 5 527-3662
1033 R Allison 9 527-0380
1035 ..... NP
1041 A M Jones 5 LA5-1480
E Jones Jr LA5-1480
1045 A Margaret Sims..... 0 LA5-0931
M V Sims LA5-0931
100 ROBERTS RD
No #★Woodlynde Schl ..... □ LA5-2716
67 RESIDENCE 31 BUSINESS

COUNTY LINE RD CHALFNT
18914
1 - END TZ 102001 $A..L26
106 Stephen Finestone..... 4 822-8528
★Presbytn Mnstr Fnd.. 822-8527
108 V Walter Lehtonen..... 822-2705
114★Dr Gerald T Paul 822-2256
136 Wayne K Hamlin 5 822-9798
142 ..... NP
18914
1103 Bernard J Clancy..... 3 DI3-6745
1109 Samuel J Vernot DI3-0590
1113 Ira Berridge ..... □ 343-6462
1115 Anthony Tedesco..... 3 DI3-2630
1121 John A Cocca 2 DI3-3437
1133 Keith E Ebel ..... – 343-2354
1141 William Jackson DI3-1523
1145★J Maccoy Rfg Contr.. DI3-0510
18914
1608 S Bailey ..... □ 822-3956
1610½ Peter T Lesenko 822-9850
1616 Irene Beatty 1 822-2170
1622 ..... NP
2337 Theresa Walker 4 DI3-0523
R D 1 18914
2527 Mrs H McDermott..... 9 DI3-1882
2553 Theo J Trymbiski..... DI3-1689
2565 Theo J Trymbiski..... DI3-1188
2577 Edwin H Myland..... 9 DI3-6057
2583 Guss Delucas DI3-1834
2585 ..... NP
2611 Fred D Rodgers 9 DI3-0792
2617 Louis Kulp 4 DI3-6780
2627 Robt E Rosencrans 2 DI3-2161
2631 ..... NP
2647 George Keyburn DI3-6663
2656 Charles Kippeny 5 DI3-1271
2675★Flourtown Sprt Clb... DI3-9872
2691 ..... NP
2717★Bolton Tree Surgns.. □ DI3-2636
2725 ..... NP
2747 Charles J McCreary..... 9 DI3-0189
3169 John B Kulp Jr DI3-6767
Theodore R Kulp DI3-2247
3229 Robert M Henderson.... DI3-6068
3263 A M Kohler 3 DI3-6144
18914
3429 Robt W Honeyman Jr... 3 822-2179
3435 Paul B Landt 822-0816
3447 John J Metz 3 822-0804
3467 Marce L Phillips 9 822-9200
3541 Frank J Strubilla 822-9355
3551 Frank E Zehender 822-0412
3557 Sigmund Zehender..... 822-0202
3567 James J Campbell 3 822-9416
3577 Charles L Shull ..... □ 822-8455
3583 Harold B Koenig..... 9 822-9012
3797 Michael A Hearn 5 822-8763
4251 Richard D Carson..... 4 822-2208
Harold T Culp 822-1450
Merlin W Culp 4 822-1658
S M Fluck 5 822-8452
C Flysher ..... □ 822-2857
Ralph D Good Jr 4 822-8306
V C Helsel 4 822-3677
Wilbur D Huckel..... 3 822-9707
M S Huggett ..... □ 822-1409
William E Johnson..... 3 822-1190
Wilbur T Kirkner 5 822-8807
F Kraut 3 822-8156
George Krewson 5 822-0036
E Leotta 4 822-8115
★Little Farm Estate.... 822-0535
C Marlin Ludwig..... 3 822-0436
Don McNair ..... □ 822-8664
F T Mercaldo 4 822-1708
Richard H Opitz 4 822-3662
Helge W Saari 5 822-0602
Theo R Schleher..... 822-0765
Daniel W Stevens 5 822-8125
Earl W Strouse ..... – 822-8474
William Taylor 4 822-8509
Elmer Tolan Jr 822-3494
B Transue 5 822-8748
Mrs Walter J Wales 2 822-3031
William A Wright..... 4 822-0876
4277 William A Andre 822-9192
4315 ..... NP
4317 Theodore Mitchell ..... – 822-0742
4319 Carl Wolfinger 9 822-9419
4321 Charles R Bryant..... 2 822-0359
4327 ..... NP
4329 William L Bennett..... 5 822-9343
4331 Thomas J Kirk 4 822-2592
4333 Michael F Doyle 2 822-2691
4335 Rev R G Heaney..... 4 822-1055
4337 James R Hentz Jr 9 822-9626
4339 Robert W Dwight 2 822-2396
4343 Robert M Kerns..... 9 822-3027
4345★I A Kerns Refrigtn.... 822-9070
4355 Mrs Ira A Kerns 9 822-2217
4371★I-T-E Imperial 822-0131
★I-T-E Imperial 822-0133
★I-T-E Imperial 822-0233
★I-T-E Imperial 822-8311
★I-T-E Imperial 822-8194
★ITE Imperl Emplys ... 822-8408
4379★I-T-E Imperial 822-1306
No # Ernest J Andre..... 368-0696
No # Ethel M Bailey 822-9749
No # Mrs Flor Bailey..... 822-0754
No # George V Broderick..... 5 822-1417
No # Howard Brought 822-2583
No #★Chalfont Serv Sta.... 822-9935
No # Howard B Clower 822-3466
No # Mrs G S Cornell 822-3104
No # Richard E Crown 368-9292
No # Mrs Walter Deabler 822-2150
No # M Adelia Gentert..... 4 822-8260
No # Margaret L Krauss..... 1 822-0217
No # Thomas F Leedom 822-3583
No # Evan Llewellyn..... 822-0419
No # Thaddeus A Luczak 822-9430
No # Abram Price 822-0061
No # Harvey L Rickert..... 822-2769
No # James W Scholes Jr.... 3 822-9525
No # A E Worthington..... 5 822-0220
No # Harvey H Craven DI3-6644
No # Louis Distefano DI3-1175
No # Mrs Margt Fishburn DI3-1926
No # William B Gelbach DI3-0135
No # R M Hawthorne Jr..... DI3-0776
No # Milton T Henry..... DI3-1544
No # William J Henry DI3-0415
No #★H P Hinderliter Jr DI3-3244
No # A Leon DI3-6597
No # Harry Musselman..... DI3-1881
No # Mrs F F Weatherbie.... DI3-1966
No # H J Weber DI3-0169
116 RESIDENCE 16 BUSINESS

COUNTY LINE RD COLMAR
18915
TZ 200505 $A..D10
TZ 200601 $A..B 9
306 Joseph E McAuliff..... 4 822-9087
4325 Donald P Covelens..... 9 822-0944
4365 Walter C Kerns 9 822-2215

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

E WALNUT ST 1976

WALNUT ST E COLMAR

18915

1 - 199 TZ 200701 $B..B 8

101	Raymond M Rose	5	822-8802
102		NP	
104	G Alexander Jr		822-9219
106	Edmund S Buzby		822-2149
108	Bessie Fabiano	3	822-2463
110		NP	
111	William Buchter	8	822-9590
112	L Rittenhouse	3	822-2451
113	Robert Van Sciver	3	822-2353
114	Russell Fellman	9	822-0385
115	Adam Prykaz		822-0872
116	P J Cave		822-2159
117	Edmond Kweder		822-2123
118	Charles Croak		822-9023
119	Luther R Stuber	3	822-0905
120	Howard W Moore		822-3889
121	Geo A Bergmann Jr	4	822-0249
	★ **Bux-Mont Div**		**822-1188**
122	Russell Rickert		822-0628
123	M Renner	3	822-9391
124	Alfred L Krout		822-9116
126	Joseph Domanico	7	822-2304
127	Olena Prymak		822-9631
128	Norman H Dorn		822-2458
129	L M Fellman	□	822-1898
130	Mrs J G Leatherman	7	822-3109
131	Harold T Thorne	5	822-8157
132	Ronald Stadelmeyer		822-9427
134	Eugene P Michener	7	822-9085
	Marion R Michener		822-9085
135	C E Renner	9	822-2515
136	Mary Sue Cope		822-0095
	Paul Cope	3	822-0095
138	W R Fretz		822-2891
139	Frank G Kulp		822-9506
141	Marie Wert Rn	8	822-0297
142	Theodore W Kohler		822-9863
144	Frank Clarkson	0	822-1229
146	W Cluck Jr	1	822-2335
148	★ **D L Snyder Plumbng**		**822-2886**
150	F Kinsey	0	822-0574
No #	★ **Batavi Caskt Sales**		**822-0551**
No #	M L Fretz	1	822-9031
No #	Spencer S Klock	2	822-2491
No #	Mrs O Markert Sr		822-2373
No #	Catalina R Reyes	5	822-8786
No #	B J Weigner	8	822-0008

44 RESIDENCE *3 BUSINESS*

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

SCHOOLHOUSE RD 1976

SCHOOLHOUSE RD **CHALFNT**

18914

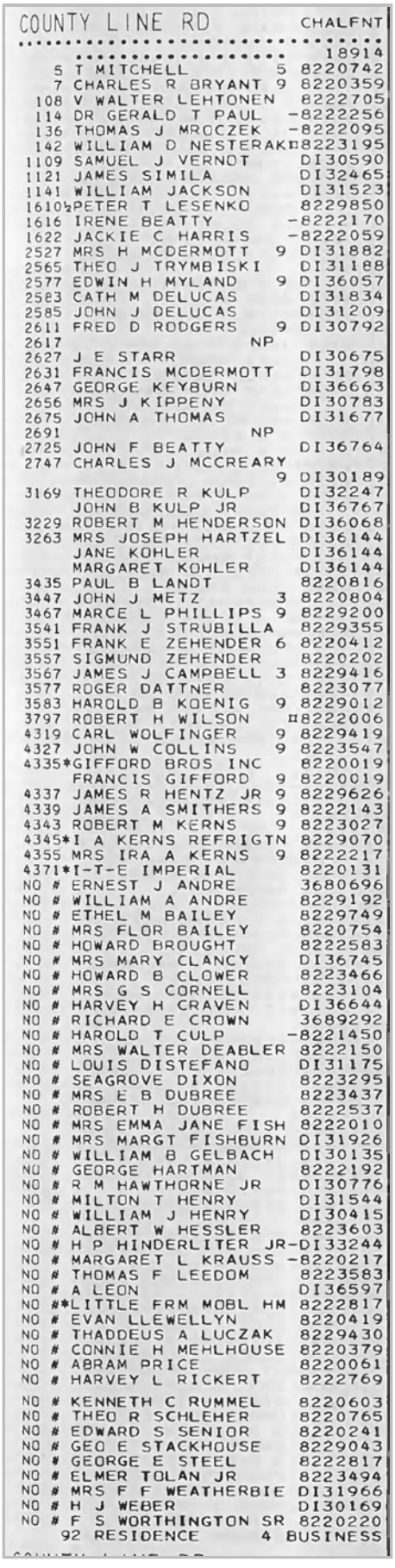
1 - END TZ 102001 **$A..L26**

31	Donald D Braun	□	822-1810
32	Mrs G H Christoff	5	822-2334
36	Wm R Hulshizer	5	822-8606
54	Peter H Heuvel	–	822-1738
	M W Randall	□	822-2601
58	Robert Stagg	5	822-2454
62	Charles R Lobs Jr	5	822-2820
66	Joseph R Doak	5	822-2387
74	Thomas J Wetmore	5	822-9587
78	R D Roberts	5	822-2146
84	Kyle K Kirkpatrick	5	822-2121
237	Samuel E Haines		822-9548
	C H Nieves-Sosa	□	822-8083
279	Rodney A Ruth	5	822-0247
	Willard D Ruth	5	822-0617
314	George P Clair Jr		822-0937
324	V C Croasdale		822-9758
	Robert Jesberg Jr	5	822-0223
526		NP	
528		NP	
532	Margt W Mokrynchuk	1	822-3803
534		NP	
540		NP	
542		NP	
544		NP	
546	Frank D Burk	□	822-8107
548		NP	
550		NP	
554		NP	
559		NP	
No #	John Dursa		822-9714
No #	Ira B Hunsberger		822-3249
No #	**★Untd Equipment Inc**		**822-3306**
No #	**★United Eqpt Inc**	□	**272-2120**

32 RESIDENCE *2 BUSINESS*

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

COUNTY LINE RD 1972

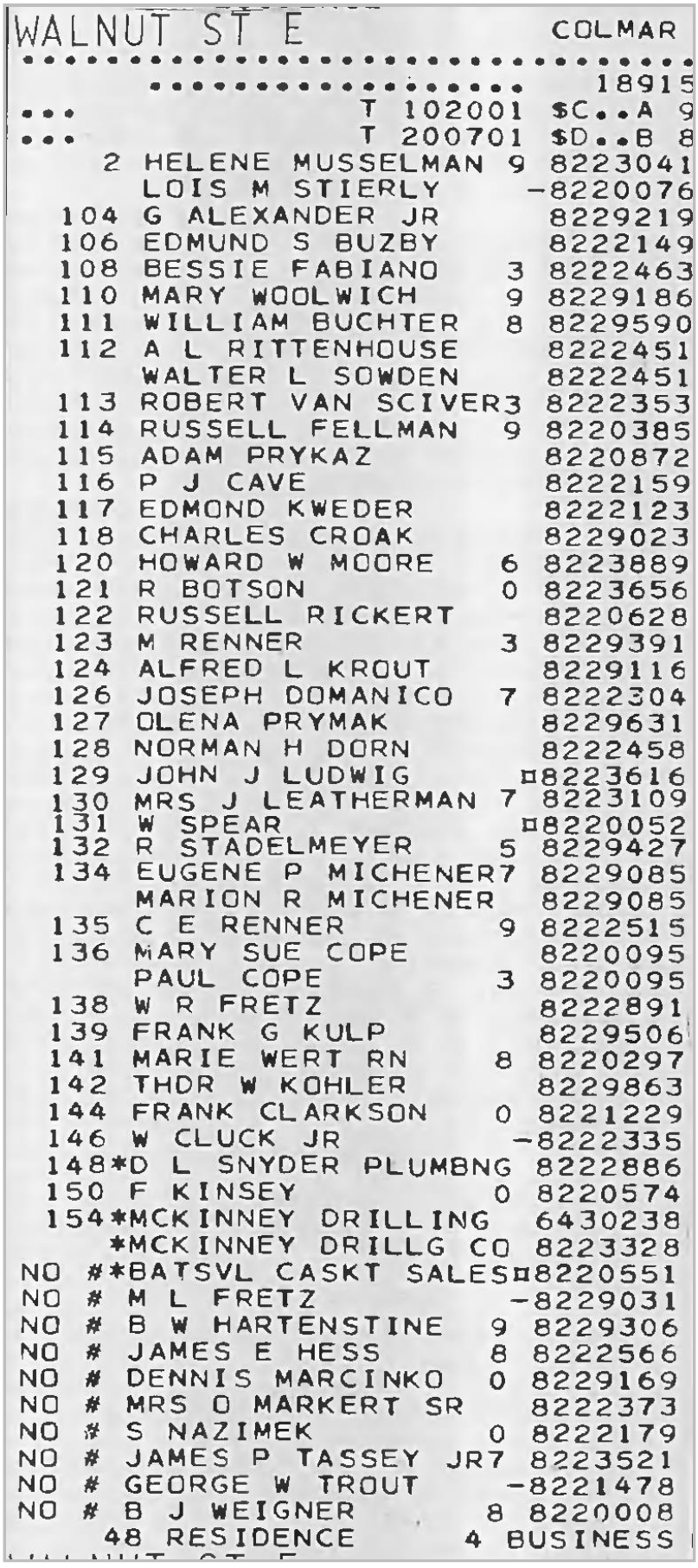


COUNTY LINE RD CHALFNT

			18914
5	T MITCHELL	5	8220742
7	CHARLES R BRYANT	9	8220359
108	V WALTER LEHTONEN		8222705
114	DR GERALD T PAUL		-8222256
136	THOMAS J MROCZEK		-8222095
142	WILLIAM D NESTERAK		8223195
1109	SAMUEL J VERNOT		DI30590
1121	JAMES SIMILA		DI32465
1141	WILLIAM JACKSON		DI31523
1610½	PETER T LESENKO		8229850
1616	IRENE BEATTY		-8222170
1622	JACKIE C HARRIS		-8222059
2527	MRS H MCDERMOTT	9	DI31882
2565	THEO J TRYMBISKI		DI31188
2577	EDWIN H MYLAND	9	DI36057
2583	CATH M DELUCAS		DI31834
2585	JOHN J DELUCAS		DI31209
2611	FRED D RODGERS	9	DI30792
2617		NP	
2627	J E STARR		DI30675
2631	FRANCIS MCDERMOTT		DI31798
2647	GEORGE KEYBURN		DI36663
2656	MRS J KIPPENY		DI30783
2675	JOHN A THOMAS		DI31677
2691		NP	
2725	JOHN F BEATTY		DI36764
2747	CHARLES J MCCREARY	9	DI30189
3169	THEODORE R KULP		DI32247
	JOHN B KULP JR		DI36767
3229	ROBERT M HENDERSON		DI36068
3263	MRS JOSEPH HARTZEL		DI36144
	JANE KOHLER		DI36144
	MARGARET KOHLER		DI36144
3435	PAUL B LANDT		8220816
3447	JOHN J METZ	3	8220804
3467	MARCE L PHILLIPS	9	8229200
3541	FRANK J STRUBILLA		8229355
3551	FRANK E ZEHENDER	6	8220412
3557	SIGMUND ZEHENDER		8220202
3567	JAMES J CAMPBELL	3	8229416
3577	ROGER DATTNER		8223077
3583	HAROLD B KOENIG	9	8229012
3797	ROBERT H WILSON		8222006
4319	CARL WOLFINGER	9	8229419
4327	JOHN W COLLINS	9	8223547
4335*	GIFFORD BROS INC		8220019
	FRANCIS GIFFORD	9	8220019
4337	JAMES R HENTZ JR	9	8229626
4339	JAMES A SMITHERS	9	8222143
4343	ROBERT M KERNS	9	8223027
4345*	I A KERNS REFRIGTN		8229070
4355	MRS IRA A KERNS	9	8222217
4371*	I-T-E IMPERIAL		8220131
NO #	ERNEST J ANDRE		3680696
NO #	WILLIAM A ANDRE		8229192
NO #	ETHEL M BAILEY		8229749
NO #	MRS FLOR BAILEY		8220754
NO #	HOWARD BROUGHT		8222583
NO #	MRS MARY CLANCY		DI36745
NO #	HOWARD B CLOWER		8223466
NO #	MRS G S CORNELL		8223104
NO #	HARVEY H CRAVEN		DI36644
NO #	RICHARD E CROWN		3689292
NO #	HAROLD T CULP		-8221450
NO #	MRS WALTER DEABLER		8222150
NO #	LOUIS DISTEFANO		DI31175
NO #	SEAGROVE DIXON		8223295
NO #	MRS E B DUBREE		8223437
NO #	ROBERT H DUBREE		8222537
NO #	MRS EMMA JANE FISH		8222010
NO #	MRS MARGT FISHBURN		DI31926
NO #	WILLIAM B GELBACH		DI30135
NO #	GEORGE HARTMAN		8222192
NO #	R M HAWTHORNE JR		DI30776
NO #	MILTON T HENRY		DI31544
NO #	WILLIAM J HENRY		DI30415
NO #	ALBERT W HESSLER		8223603
NO #	H P HINDERLITER JR		-DI33244
NO #	MARGARET L KRAUSS		-8220217
NO #	THOMAS F LEEDOM		8223583
NO #	A LEON		DI36597
NO #*	LITTLE FRM MOBL HM		8222817
NO #	EVAN LLEWELLYN		8220419
NO #	THADDEUS A LUCZAK		8229430
NO #	CONNIE H MEHLHOUSE		8220379
NO #	ABRAM PRICE		8220061
NO #	HARVEY L RICKERT		8222769
NO #	KENNETH C RUMMEL		8220603
NO #	THEO R SCHLEHER		8220765
NO #	EDWARD S SENIOR		8220241
NO #	GEO E STACKHOUSE		8229043
NO #	GEORGE E STEEL		8222817
NO #	ELMER TOLAN JR		8223494
NO #	MRS F F WEATHERBIE		DI31966
NO #	H J WEBER		DI30169
NO #	F S WORTHINGTON SR		8220220
92	RESIDENCE	4	BUSINESS

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

E WALNUT ST 1972



WALNUT ST E COLMAR

18915

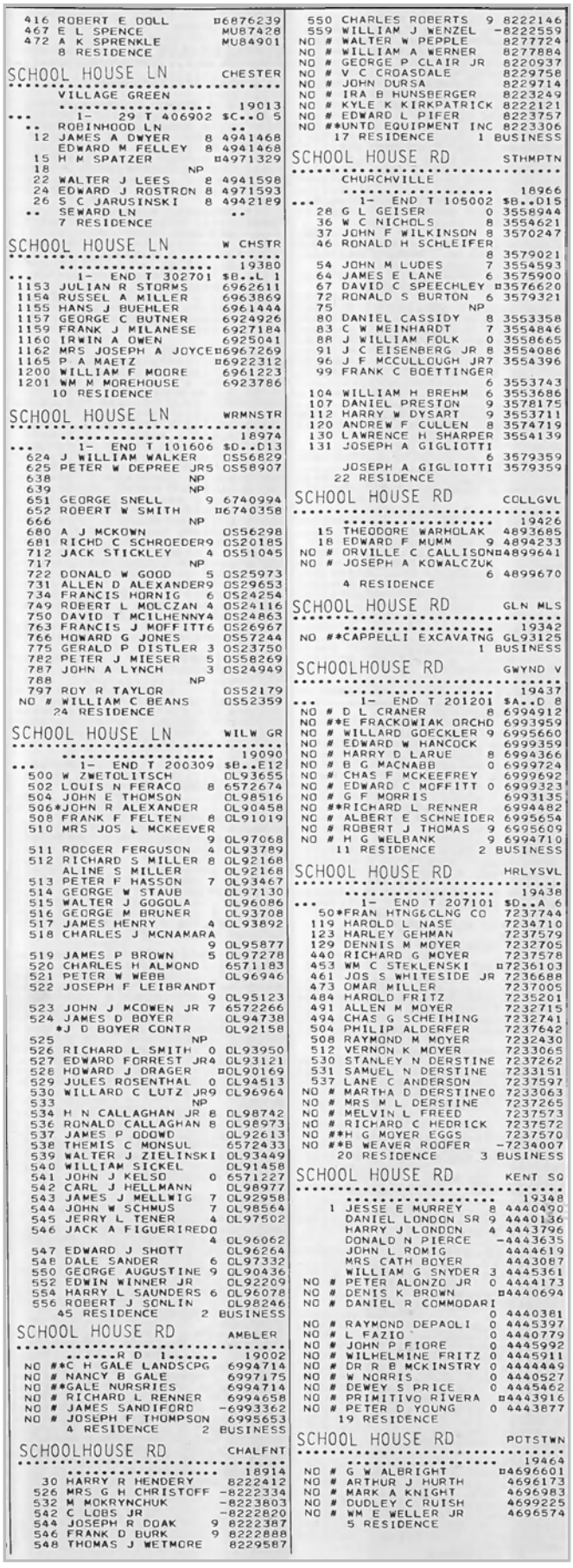
T 102001 $C..A 9

T 200701 $D..B 8

2 HELENE MUSSELMAN 9 8223041
LOIS M STIERLY -8220076
104 G ALEXANDER JR 8229219
106 EDMUND S BUZBY 8222149
108 BESSIE FABIANO 3 8222463
110 MARY WOOLWICH 9 8229186
111 WILLIAM BUCHTER 8 8229590
112 A L RITTENHOUSE 8222451
WALTER L SOWDEN 8222451
113 ROBERT VAN SCIVER3 8222353
114 RUSSELL FELLMAN 9 8220385
115 ADAM PRYKAZ 8220872
116 P J CAVE 8222159
117 EDMOND KWEDER 8222123
118 CHARLES CROAK 8229023
120 HOWARD W MOORE 6 8223889
121 R BOTSON 0 8223656
122 RUSSELL RICKERT 8220628
123 M RENNER 3 8229391
124 ALFRED L KROUT 8229116
126 JOSEPH DOMANICO 7 8222304
127 OLENA PRYMAK 8229631
128 NORMAN H DORN 8222458
129 JOHN J LUDWIG □8223616
130 MRS J LEATHERMAN 7 8223109
131 W SPEAR □8220052
132 R STADELMEYER 5 8229427
134 EUGENE P MICHENER7 8229085
MARION R MICHENER 8229085
135 C E RENNER 9 8222515
136 MARY SUE COPE 8220095
PAUL COPE 3 8220095
138 W R FRETZ 8222891
139 FRANK G KULP 8229506
141 MARIE WERT RN 8 8220297
142 THDR W KOHLER 8229863
144 FRANK CLARKSON 0 8221229
146 W CLUCK JR -8222335
148*D L SNYDER PLUMBNG 8222886
150 F KINSEY 0 8220574
154*MCKINNEY DRILLING 6430238
*MCKINNEY DRILLG CO 8223328
NO **BATSVL CASKT SALES□8220551
NO # M L FRETZ -8229031
NO # B W HARTENSTINE 9 8229306
NO # JAMES E HESS 8 8222566
NO # DENNIS MARCINKO 0 8229169
NO # MRS O MARKERT SR 8222373
NO # S NAZIMEK 0 8222179
NO # JAMES P TASSEY JR7 8223521
NO # GEORGE W TROUT -8221478
NO # B J WEIGNER 8 8220008
48 RESIDENCE 4 BUSINESS

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

SCHOOLHOUSE RD 1972



416 ROBERT E DOLL ¤6876239
467 E L SPENCE MU87428
472 A K SPRENKLE MU84901
8 RESIDENCE

SCHOOL HOUSE LN CHESTER
VILLAGE GREEN
19013
1- 29 T 406902 $C..O 5
ROBINHOOD LN
12 JAMES A DWYER 8 4941468
EDWARD M FELLEY 8 4941468
15 H M SPATZER ¤4971329
18 NP
22 WALTER J LEES 8 4941598
24 EDWARD J ROSTRON 8 4971593
26 S C JARUSINSKI 8 4942189
SEWARD LN
7 RESIDENCE

SCHOOL HOUSE LN W CHSTR
19380
1- END T 302701 $B..L 1
1153 JULIAN R STORMS 6962611
1154 RUSSEL A MILLER 6963869
1155 HANS J BUEHLER 6961444
1157 GEORGE C BUTNER 6924926
1159 FRANK J MILANESE 6927184
1160 IRWIN A OWEN 6925041
1162 MRS JOSEPH A JOYCE¤6967269
1165 P A MAETZ ¤6922312
1200 WILLIAM F MOORE 6961223
1201 WM M MOREHOUSE 6923786
10 RESIDENCE

SCHOOL HOUSE LN WRMNSTR
18974
1- END T 101606 $D..D13
624 J WILLIAM WALKER OS56829
625 PETER W DEPREE JR5 OS58907
638 NP
639 NP
651 GEORGE SNELL 9 6740994
652 ROBERT W SMITH ¤6740358
666 NP
680 A J MCKOWN OS56298
681 RICHD C SCHROEDER9 OS20185
712 JACK STICKLEY 4 OS51045
717 NP
722 DONALD W GOOD 5 OS25973
731 ALLEN D ALEXANDER9 OS29653
734 FRANCIS HORNIG 6 OS24254
749 ROBERT L MOLCZAN 4 OS24116
750 DAVID T MCILHENNY4 OS24863
763 FRANCIS J MOFFITT6 OS26967
766 HOWARD G JONES OS57244
775 GERALD P DISTLER 3 OS23750
782 PETER J MIESER 5 OS58269
787 JOHN A LYNCH 3 OS24949
788 NP
797 ROY R TAYLOR OS52179
NO # WILLIAM C BEANS OS52359
24 RESIDENCE

SCHOOL HOUSE LN WILW GR
19090
1- END T 200309 $B..E12
500 W ZWETOLITSCH OL93655
502 LOUIS N FERACO 8 6572674
504 JOHN E THOMSON OL98516
506*JOHN R ALEXANDER OL90458
508 FRANK F FELTEN 8 OL91019
510 MRS JOS L MCKEEVER
9 OL97068
511 ROGGER FERGUSON 4 OL93789
512 RICHARD S MILLER 8 OL92168
ALINE S MILLER OL92168
513 PETER F HASSON 7 OL93467
514 GEORGE W STAUB OL97130
515 WALTER J GOGOLA OL96086
516 GEORGE M BRUNER OL93708
517 JAMES HENRY 4 OL93892
518 CHARLES J MCNAMARA
9 OL95877
519 JAMES P BROWN 5 OL97278
520 CHARLES H ALMOND 6571183
521 PETER W WEBB OL96946
522 JOSEPH F LEIBRANDT
9 OL95123
523 JOHN J MCOWEN JR 7 6572266
524 JAMES D BOYER OL94738
*J D BOYER CONTR OL92158
525 NP
526 RICHARD L SMITH 0 OL93950
527 EDWARD FORREST JR4 OL93121
528 HOWARD J DRAGER ¤OL90169
529 JULES ROSENTHAL 0 CL94513
530 WILLARD C LUTZ JR9 CL96964
533 NP
534 H N CALLAGHAN JR 8 OL98742
536 RONALD CALLAGHAN 8 OL98973
537 JAMES P ODOWD OL92613
538 THEMIS C MONSUL 6572433
539 WALTER J ZIELINSKI OL93449
540 WILLIAM SICKEL OL91458
541 JOHN J KELSO 0 6571227
542 CARL J HELLMANN OL98977
543 JAMES J MELLWIG 7 OL92958
544 JOHN W SCHMUS 7 OL98564
545 JERRY L TENER 4 OL97502
546 JACK A FIGUERIREDO
4 OL96062
547 EDWARD J SHOTT OL96264
548 DALE SANDER 6 OL97332
550 GEORGE AUGUSTINE 9 OL90436
552 EDWIN WINNER JR OL92209
554 HARRY L SAUNDERS 6 OL96078
556 ROBERT J SONLIN OL98246
45 RESIDENCE 2 BUSINESS

SCHOOL HOUSE RD AMBLER
R D 1- 19002
NO #*C H GALE LANDSCPG 6994714
NO # NANCY B GALE 6997175
NO #*GALE NURSRIES 6994714
NO # RICHARD L RENNER 6994658
NO # JAMES SANDIFORD -6993362
NO # JOSEPH F THOMPSON 6995653
4 RESIDENCE 2 BUSINESS

SCHOOLHOUSE RD CHALFNT
18914
30 HARRY R HENDERY 8222412
526 MRS G H CHRISTOFF -8222334
532 M MOKRYNCHUK -8223803
542 C LOBS JR -8222820
544 JOSEPH R DOAK 9 8222387
546 FRANK D BURK 9 8222888
548 THOMAS J WETMORE 8229587
550 CHARLES ROBERTS 9 8222146
559 WILLIAM J WENZEL -8222559
NO # WALTER W PEPPLE 8277724
NO # WILLIAM A WERNER 8277884
NO # GEORGE P CLAIR JR 8220937
NO # V C CROASDALE 8229758
NO # JOHN DURSA 8229714
NO # IRA B HUNSBERGER 8223249
NO # KYLE K KIRKPATRICK 8222121
NO # EDWARD L PIFER 8223757
NO #*UNTD EQUIPMENT INC 8223306
17 RESIDENCE 1 BUSINESS

SCHOOL HOUSE RD STHMPTN
CHURCHVILLE
18966
1- END T 105002 $B..D15
28 G L GEISER 0 3558944
36 W C NICHOLS 8 3554621
37 JOHN F WILKINSON 8 3570247
46 RONALD H SCHLEIFER
8 3579021
54 JOHN M LUDES 7 3554593
64 JAMES E LANE 6 3575900
67 DAVID C SPEECHLEY ¤3576620
72 RONALD S BURTON 6 3579321
75 NP
80 DANIEL CASSIDY 8 3553358
83 C W MEINHARDT 7 3554846
88 J WILLIAM FOLK 0 3558665
91 J C EISENBERG JR 8 3554086
96 J F MCCULLOUGH JR7 3554396
99 FRANK C BOETTINGER
6 3553743
104 WILLIAM H BREHM 6 3553686
107 DANIEL PRESTON 9 3578175
112 HARRY W DYSART 9 3553711
120 ANDREW F CULLEN 8 3574719
130 LAWRENCE H SHARPER 3554139
131 JOSEPH A GIGLIOTTI
6 3579359
JOSEPH A GIGLIOTTI 3579359
22 RESIDENCE

SCHOOL HOUSE RD COLLGVL
19426
15 THEODORE WARHOLAK 4893685
18 EDWARD F MUMM 9 4894233
NO # ORVILLE C CALLISON¤4899641
NO # JOSEPH A KOWALCZUK
6 4899670
4 RESIDENCE

SCHOOL HOUSE RD GLN MLS
19342
NO #*CAPPELLI EXCAVATNG GL93125
1 BUSINESS

SCHOOLHOUSE RD GWYND V
19437
1- END T 201201 $A..D 8
NO # D L CRANER 8 6994912
NO #*E FRACKOWIAK ORCHD 6993959
NO # WILLARD GOECKLER 9 6995660
NO # EDWARD W HANCOCK 6999359
NO # HARRY D LARUE 8 6994366
NO # B G MACNABB 0 6999724
NO # CHAS F MCKEEFREY 0 6993692
NO # EDWARD C MOFFITT 0 6999323
NO # G F MORRIS 6993135
NO #*RICHARD L RENNER 6994482
NO # ALBERT E SCHNEIDER 6995654
NO # ROBERT J THOMAS 9 6995609
NO # H G WELBANK 9 6994710
11 RESIDENCE 2 BUSINESS

SCHOOL HOUSE RD HRLYSVL
19438
1- END T 207101 $D..A 6
50*FRAN HTNG&CLNG CO 7237744
119 HAROLD L NASE 7234710
123 HARLEY GEHMAN 7237579
129 DENNIS M MOYER 7232705
440 RICHARD G MOYER 7237578
453 WM C STEKLENSKI ¤7236103
461 JOS S WHITESIDE JR 7236688
473 OMAR MILLER 7237005
484 HAROLD FRITZ 7235201
491 ALLEN M MOYER 7232715
494 CHAS G SCHEIHING 7232741
504 PHILIP ALDERFER 7237642
508 RAYMOND M MOYER 7232430
512 VERNON K MOYER 7233065
530 STANLEY N DERSTINE 7237262
531 SAMUEL N DERSTINE 7233151
537 LANE C ANDERSON 7237597
NO # MARTHA D DERSTINE0 7233063
NO # MRS M L DERSTINE 7237265
NO # MELVIN L FREED 7237573
NO # RICHARD C HEDRICK 7237572
NO #*H G MOYER EGGS 7237570
NO #*B WEAVER ROOFER -7234007
20 RESIDENCE 3 BUSINESS

SCHOOL HOUSE RD KENT SQ
19348
1 JESSE E MURREY 8 4440490
DANIEL LONDON SR 9 4440136
HARRY J LONDON 4 4443796
DONALD N PIERCE -4443635
JOHN L ROMIG 4444619
MRS CATH BOYER 4443087
WILLIAM G SNYDER 3 4445361
NO # PETER ALONZO JR 0 4444173
NO # DENIS K BROWN ¤4440694
NO # DANIEL R COMMODARI
0 4440381
NO # RAYMOND DEPAOLI 0 4445397
NO # L FAZIO 0 4440779
NO # JOHN P FIORE 0 4445992
NO # WILHELMINE FRITZ 0 4445911
NO # DR R B MCKINSTRY 0 4444449
NO # W NORRIS 0 4440527
NO # DEWEY S PRICE 0 4445462
NO # PRIMITIVO RIVERA ¤4443916
NO # PETER D YOUNG 0 4443877
19 RESIDENCE

SCHOOL HOUSE RD POTSTWN
19464
NO # G W ALBRIGHT ¤4696601
NO # ARTHUR J HURTH 4696173
NO # MARK A KNIGHT 4696983
NO # DUDLEY C RUISH 4699225
NO # WM E WELLER JR 4696574
5 RESIDENCE

APPENDIX D

AERIAL PHOTOGRAPHS

Farm Property

54 Walnut Street

Chalfont, PA 18914

Inquiry Number: 8005966.8

June 03, 2025

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/03/25

Site Name:

Farm Property
54 Walnut Street
Chalfont, PA 18914
EDR Inquiry # 8005966.8

Client Name:

The Vertex Companies, Inc.
400 Libbey Parkway
Weymouth, MA 02189-0000
Contact: Timothy Biercz

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2022	1"=500'	Flight Year: 2022	USDA/NAIP
2019	1"=500'	Flight Year: 2019	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Flight Year: 1999	USGS/DOQQ
1992	1"=500'	Flight Year: 1992	USGS/DOQQ
1987	1"=500'	Flight Date: September 02, 1987	USGS
1981	1"=500'	Flight Date: April 21, 1981	USDA
1975	1"=500'	Flight Date: March 17, 1975	EDR Proprietary Aerial Viewpoint
1971	1"=500'	Flight Date: August 17, 1971	USDA
1968	1"=500'	Flight Date: May 08, 1968	USGS
1965	1"=500'	Flight Date: April 04, 1965	EDR Proprietary Aerial Viewpoint
1958	1"=500'	Flight Date: September 13, 1958	USDA
1950	1"=500'	Flight Date: March 17, 1950	USGS
1942	1"=500'	Flight Date: October 08, 1942	USDA
1938	1"=500'	Flight Date: February 16, 1938	USDA

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INQUIRY #: 8005966.8
YEAR: 2022
= 500'
N
EDR

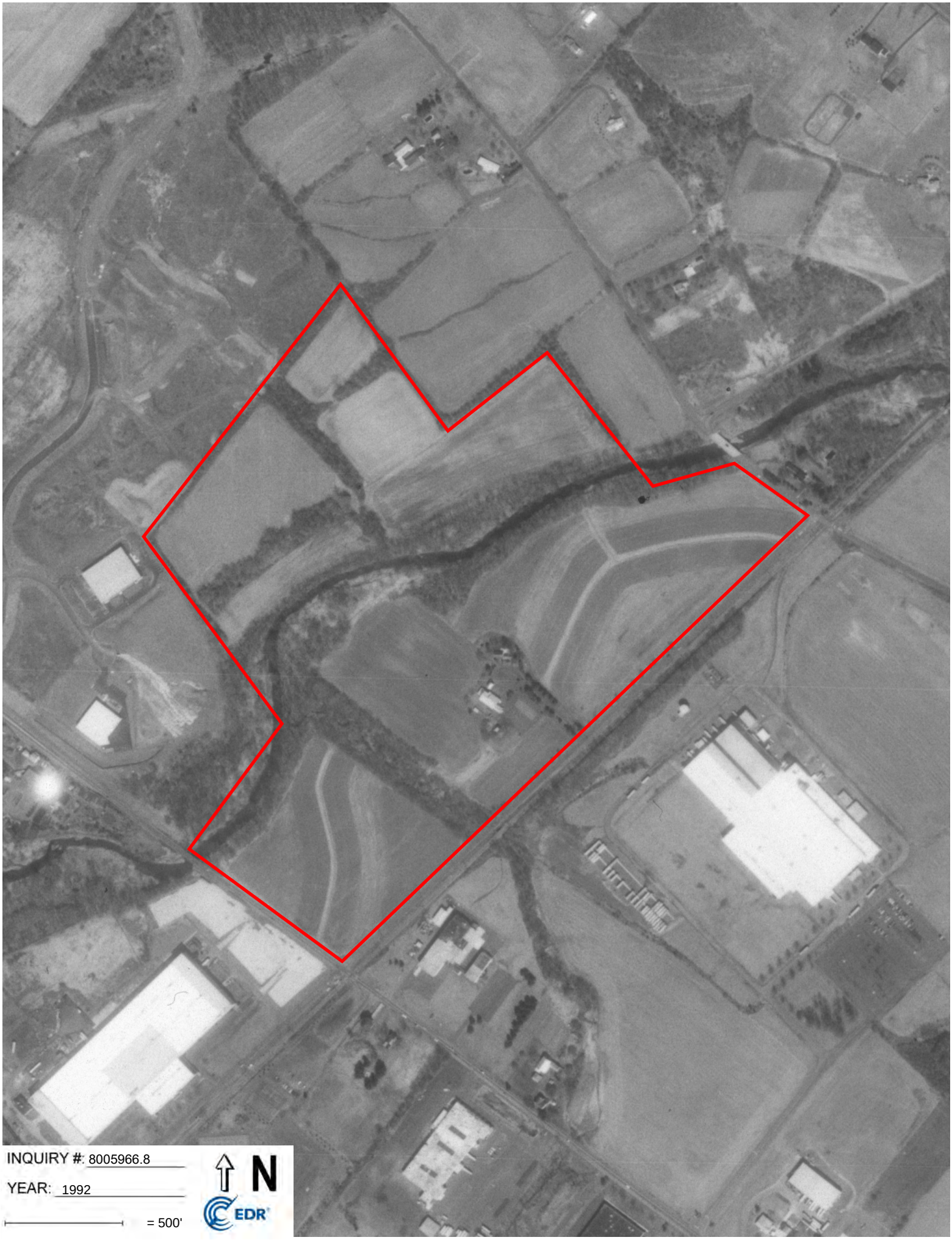

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YEAR: 2019
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EDR

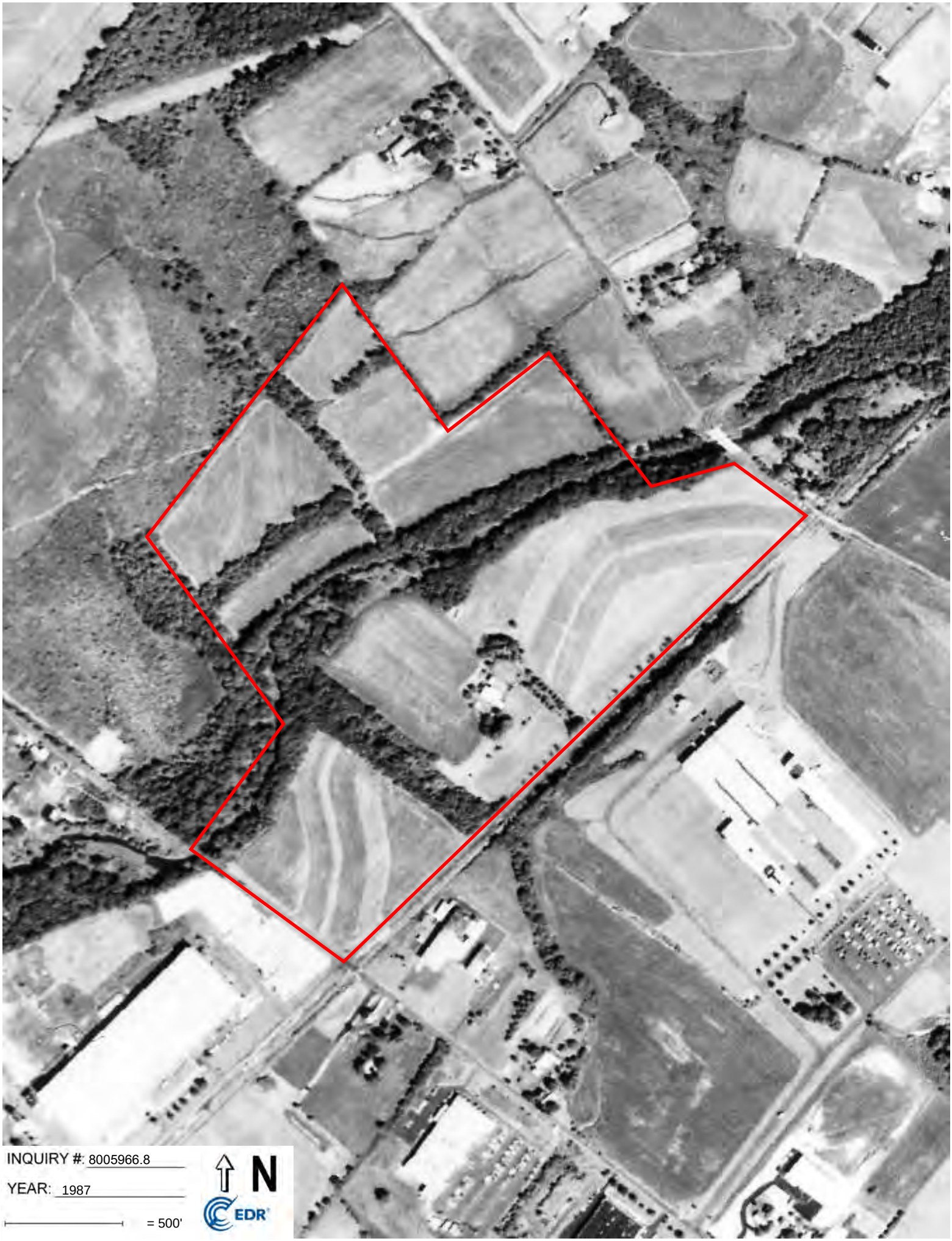

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EDR


INQUIRY #: 8005966.8
YEAR: 2010
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N
EDR

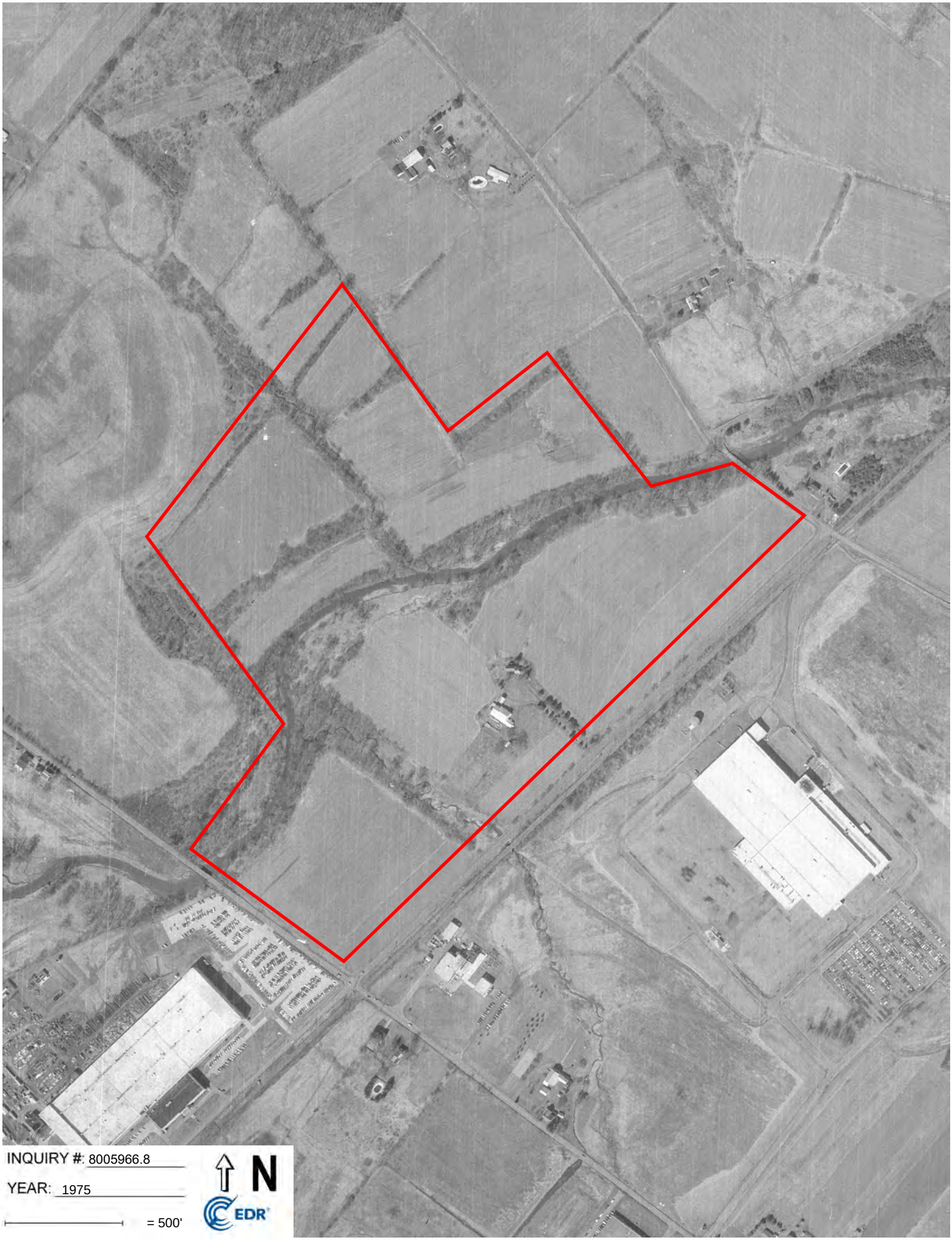

INQUIRY #: 8005966.8
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1999
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1992
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1987
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1981
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1975
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1971
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1968
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1965
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1958
= 500'
N
EDR


INQUIRY #: 8005966.8
YEAR: 1950
= 500'
N
EDR



INQUIRY #: 8005966.8

YEAR: 1942

= 500'

N

EDR


INQUIRY #: 8005966.8
YEAR: 1938
= 500'
N
EDR

APPENDIX E

TOPOGRAPHIC MAPS

Farm Property
54 Walnut Street
Chalfont, PA 18914

Inquiry Number: 8005966.4
June 03, 2025

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/03/25

Site Name:

Farm Property
54 Walnut Street
Chalfont, PA 18914
EDR Inquiry # 8005966.4

Client Name:

The Vertex Companies, Inc.
400 Libbey Parkway
Weymouth, MA 02189-0000
Contact: Timothy Biercz

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by The Vertex Companies, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 105634

Project: Farm Property

Coordinates:

Latitude:	40.279632 40° 16' 47" North
Longitude:	-75.243618 -75° 14' 37" West
UTM Zone:	Zone 18 North
UTM X Meters:	479289.90
UTM Y Meters:	4458822.85
Elevation:	265.03' above sea level

Maps Provided:

2019	1968, 1969	1888
2016	1960	
2013	1953	
1999	1943	
1997	1942	
1992, 1996	1941	
1980, 1983	1891, 1894	
1973	1890	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2019 Source Sheets



Doylestown
2019
7.5-minute, 24000



Telford
2019
7.5-minute, 24000

2016 Source Sheets



Doylestown
2016
7.5-minute, 24000



Telford
2016
7.5-minute, 24000

2013 Source Sheets

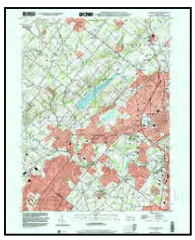


Doylestown
2013
7.5-minute, 24000



Telford
2013
7.5-minute, 24000

1999 Source Sheets



Doylestown
1999
7.5-minute, 24000
Aerial Photo Revised 1999

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1997 Source Sheets



Telford
1997
7.5-minute, 24000
Aerial Photo Revised 1997

1992, 1996 Source Sheets



Doylestown
1992
7.5-minute, 24000
Aerial Photo Revised 1981

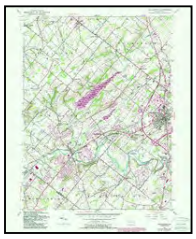


Telford
1996
7.5-minute, 24000
Aerial Photo Revised 1995

1980, 1983 Source Sheets



Telford
1980
7.5-minute, 24000
Aerial Photo Revised 1980



Doylestown
1983
7.5-minute, 24000
Aerial Photo Revised 1981

1973 Source Sheets



Doylestown
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Telford
1973
7.5-minute, 24000
Aerial Photo Revised 1942

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968, 1969 Source Sheets



Doylestown
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Telford
1969
7.5-minute, 24000
Aerial Photo Revised 1969

1960 Source Sheets

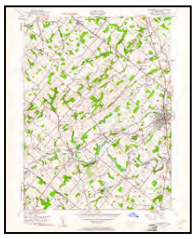


Telford
1960
7.5-minute, 24000
Aerial Photo Revised 1942

1953 Source Sheets



Telford
1953
7.5-minute, 24000



Doylestown
1953
7.5-minute, 24000

1943 Source Sheets



Doylestown
1943
7.5-minute, 31680

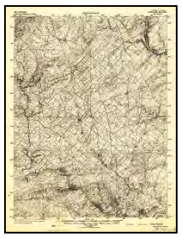


Telford
1943
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets



Norristown
1942
30-minute, 125000

1941 Source Sheets



Doylestown
1941
15-minute, 62500

1891, 1894 Source Sheets



Doylestown
1891
15-minute, 62500



Quakertown
1894
15-minute, 62500

1890 Source Sheets



Quakertown
1890
15-minute, 62500



Doylestown
1890
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

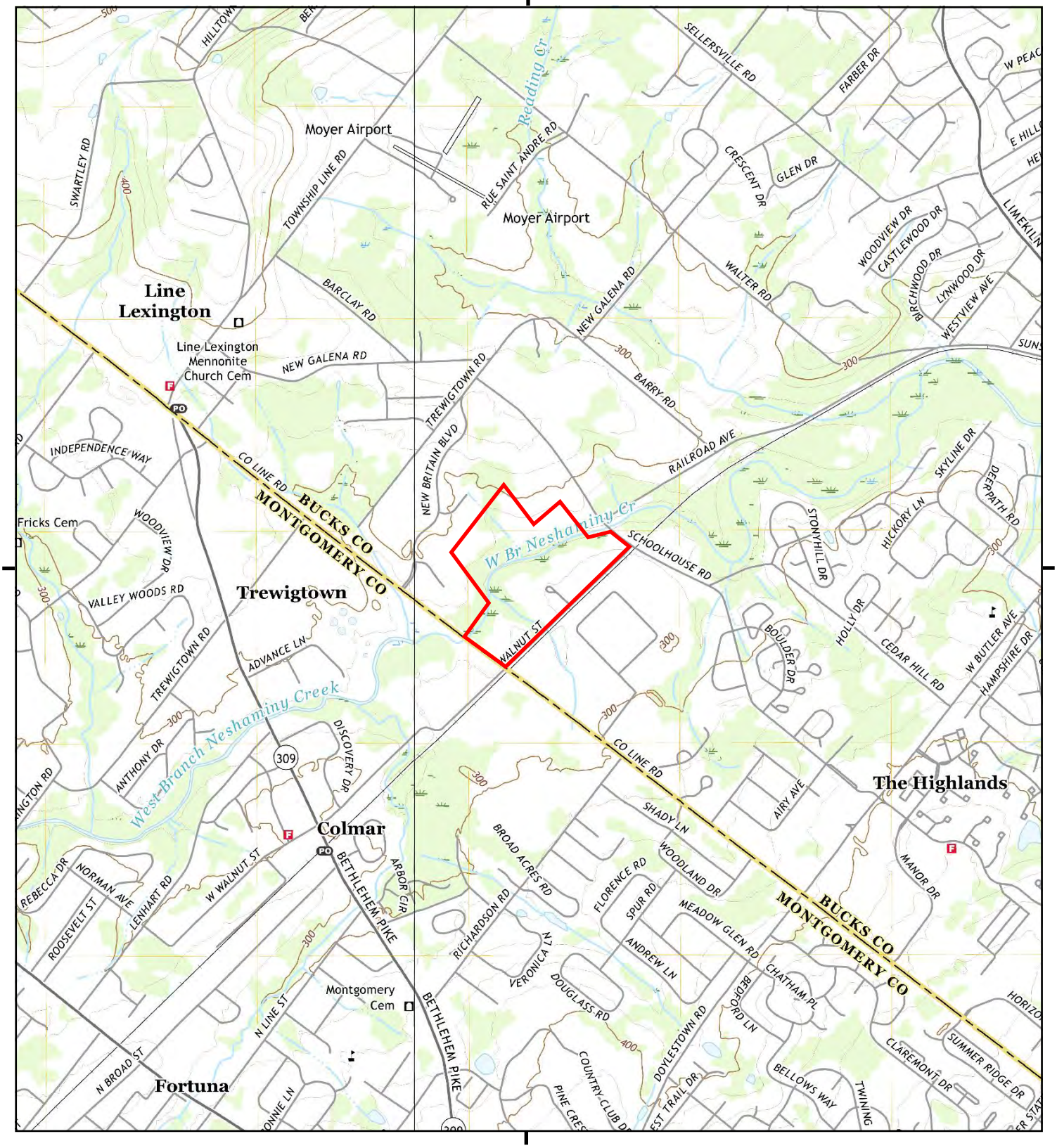
1888 Source Sheets



Quakertown
1888
15-minute, 62500

Historical Topo Map

2019



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

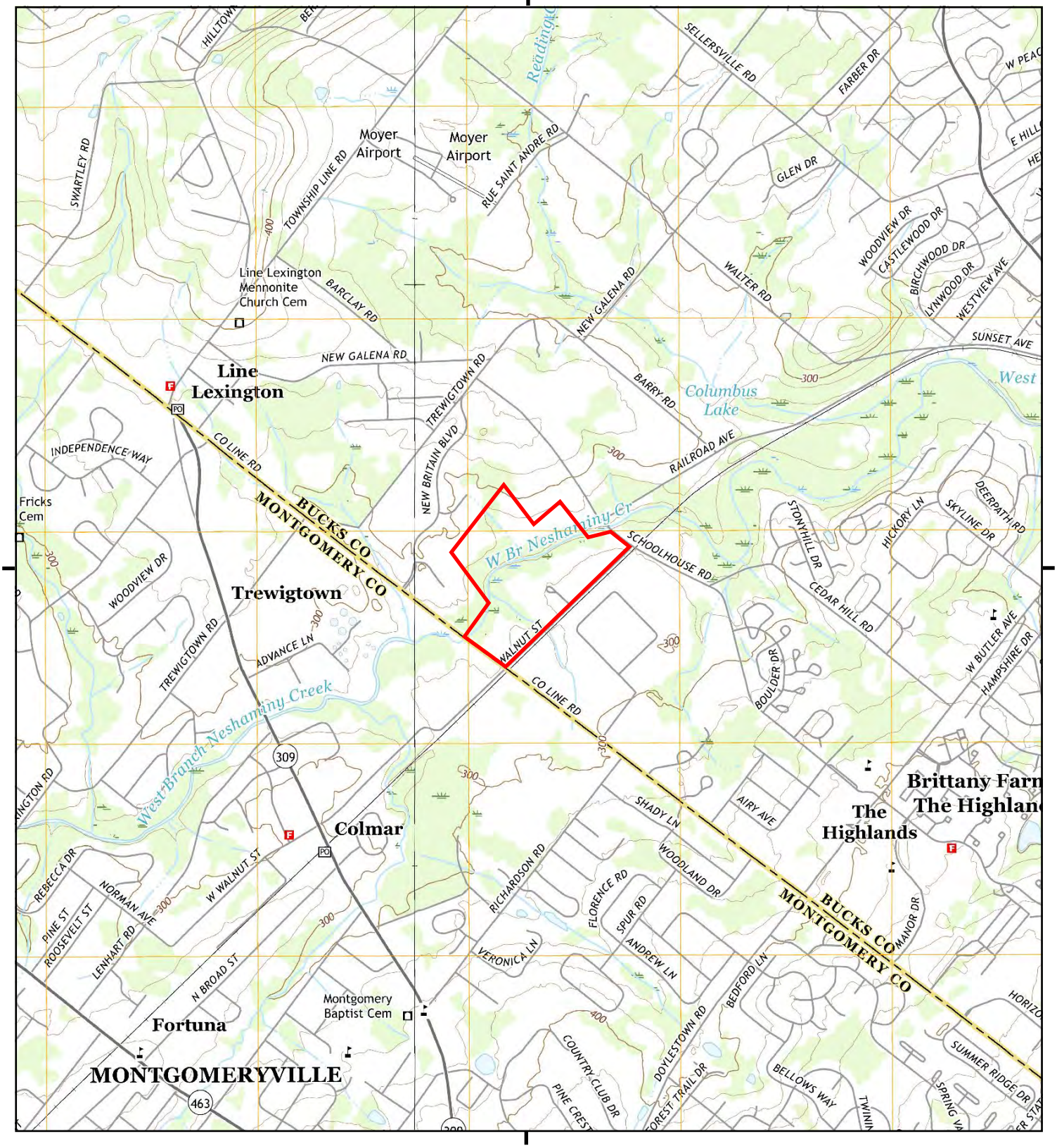
TP, Doylestown, 2019, 7.5-minute
NW, Telford, 2019, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

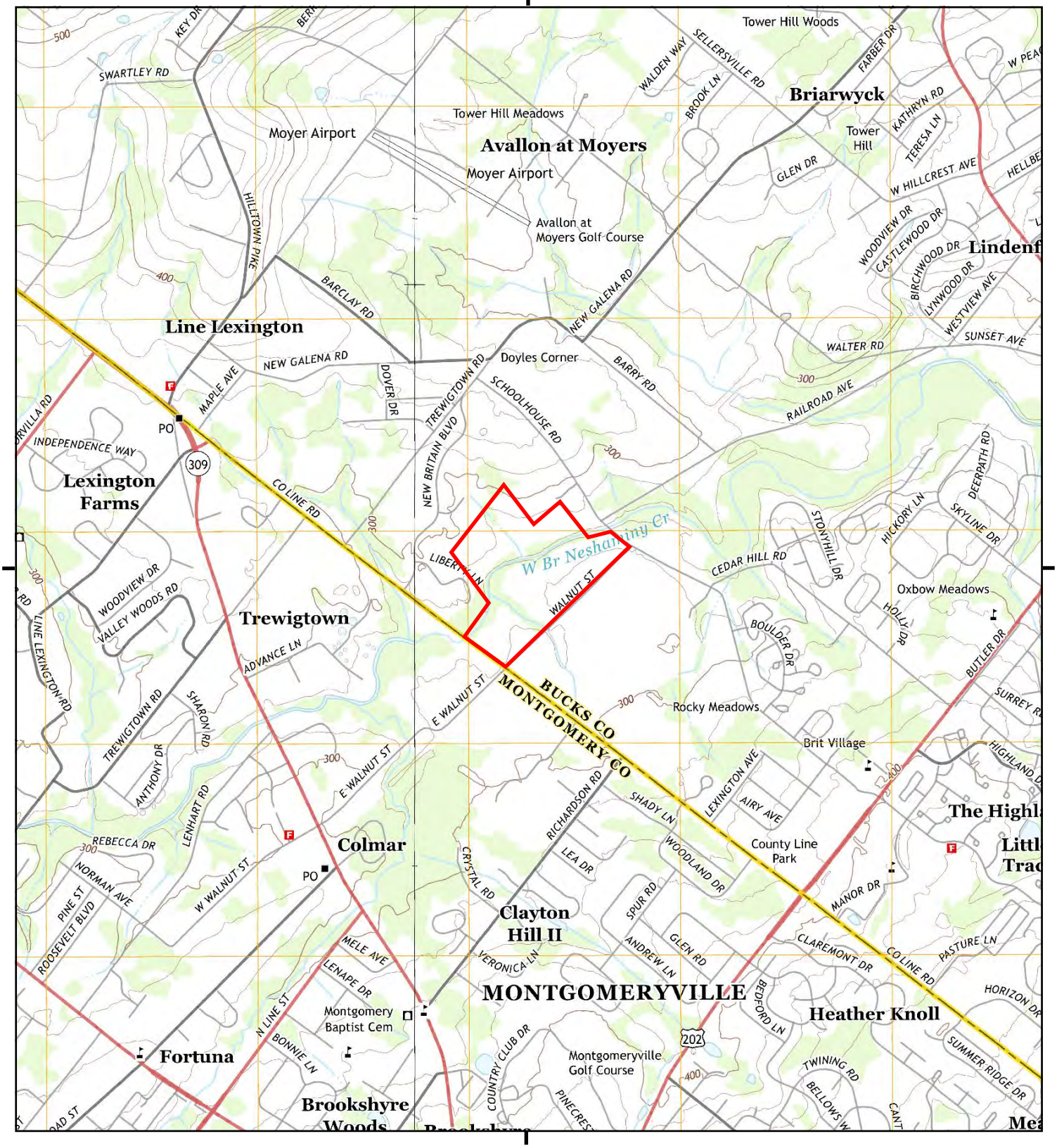
TP, Doylestown, 2016, 7.5-minute
NW, Telford, 2016, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

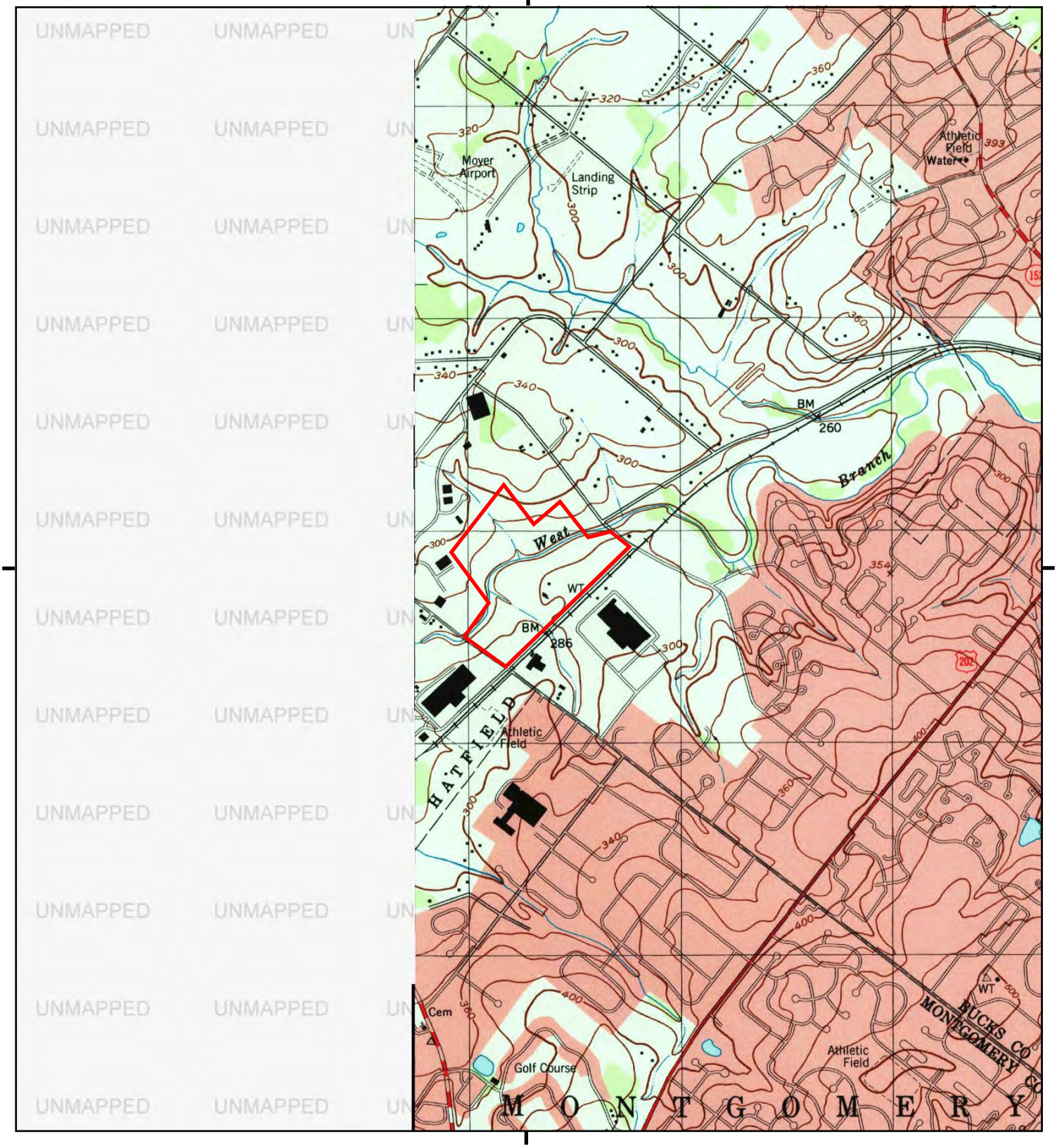
TP, Doylestown, 2013, 7.5-minute
NW, Telford, 2013, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N

Historical Topo Map

1999



This report includes information from the following map sheet(s).

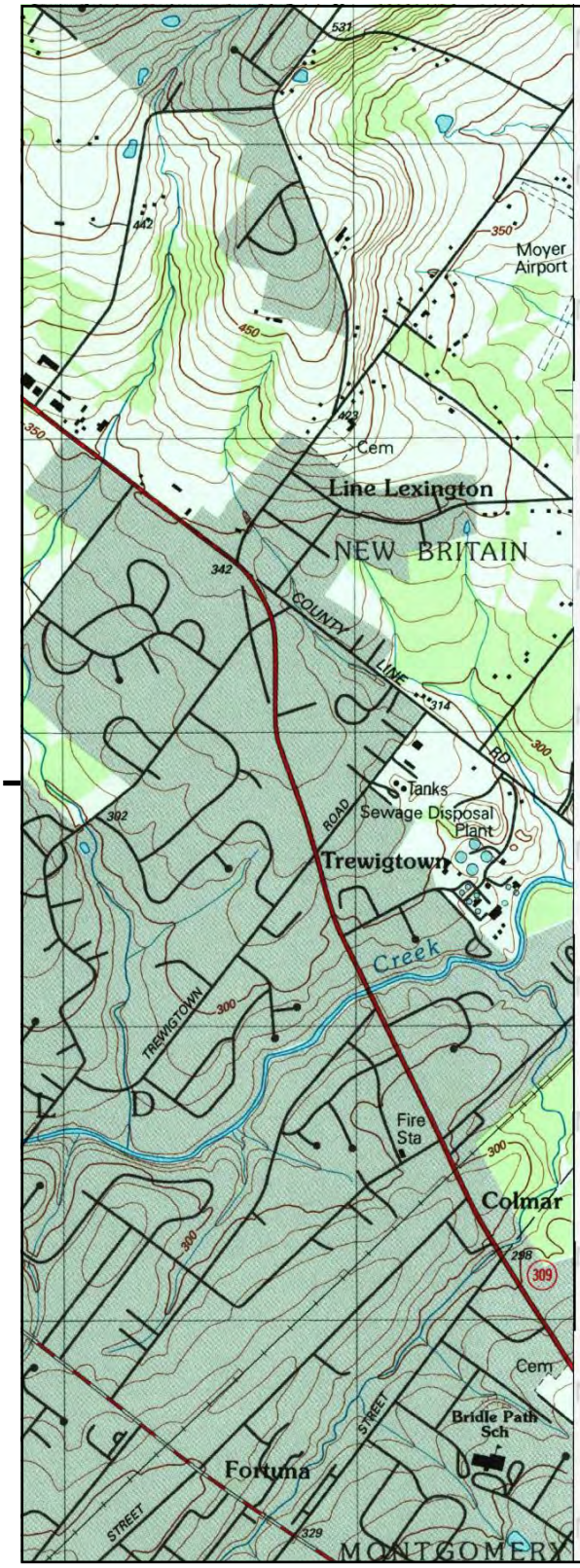
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1999, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



UNMAPPED

This report includes information from the following map sheet(s).

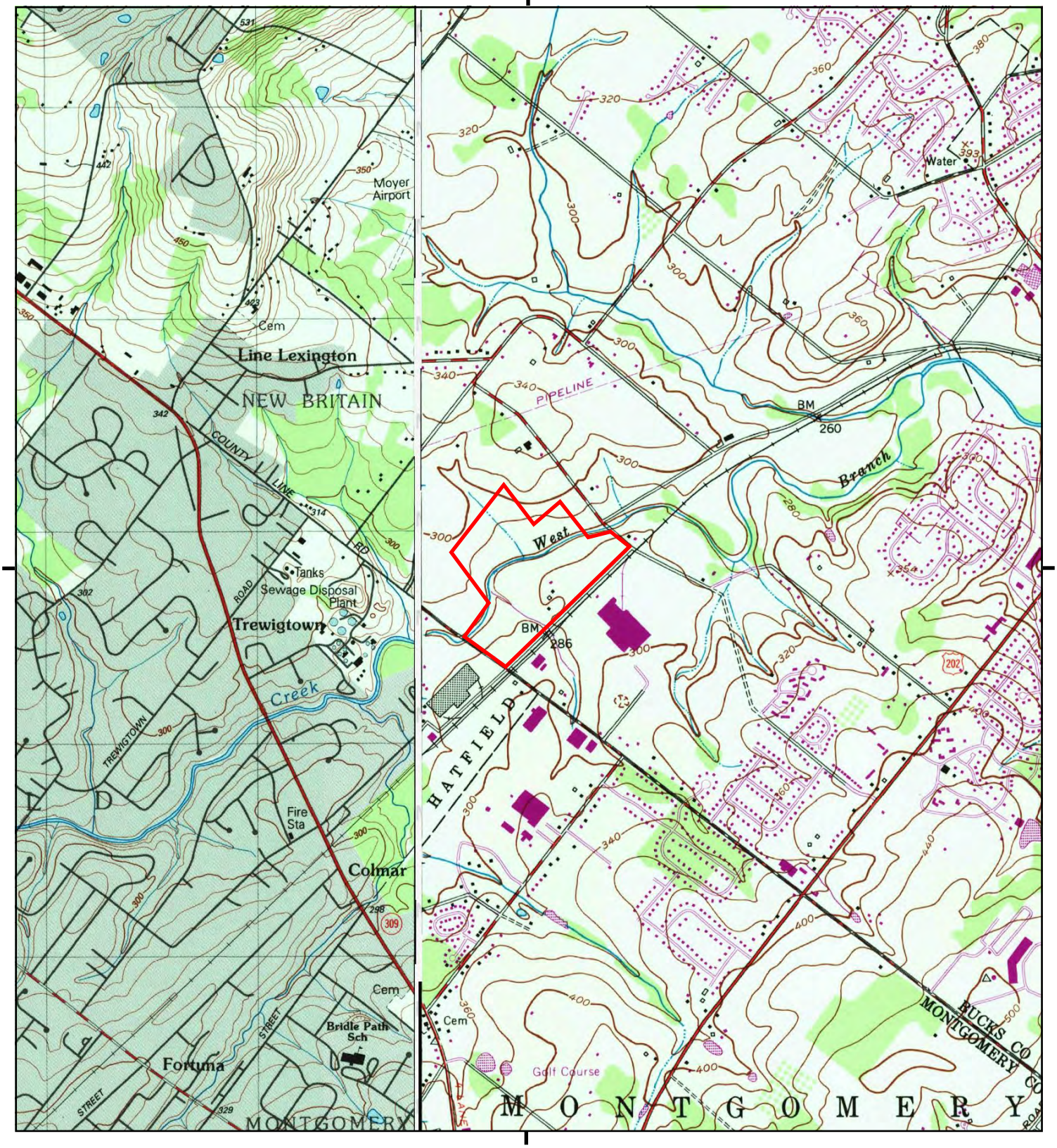
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

NW, Telford, 1997, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

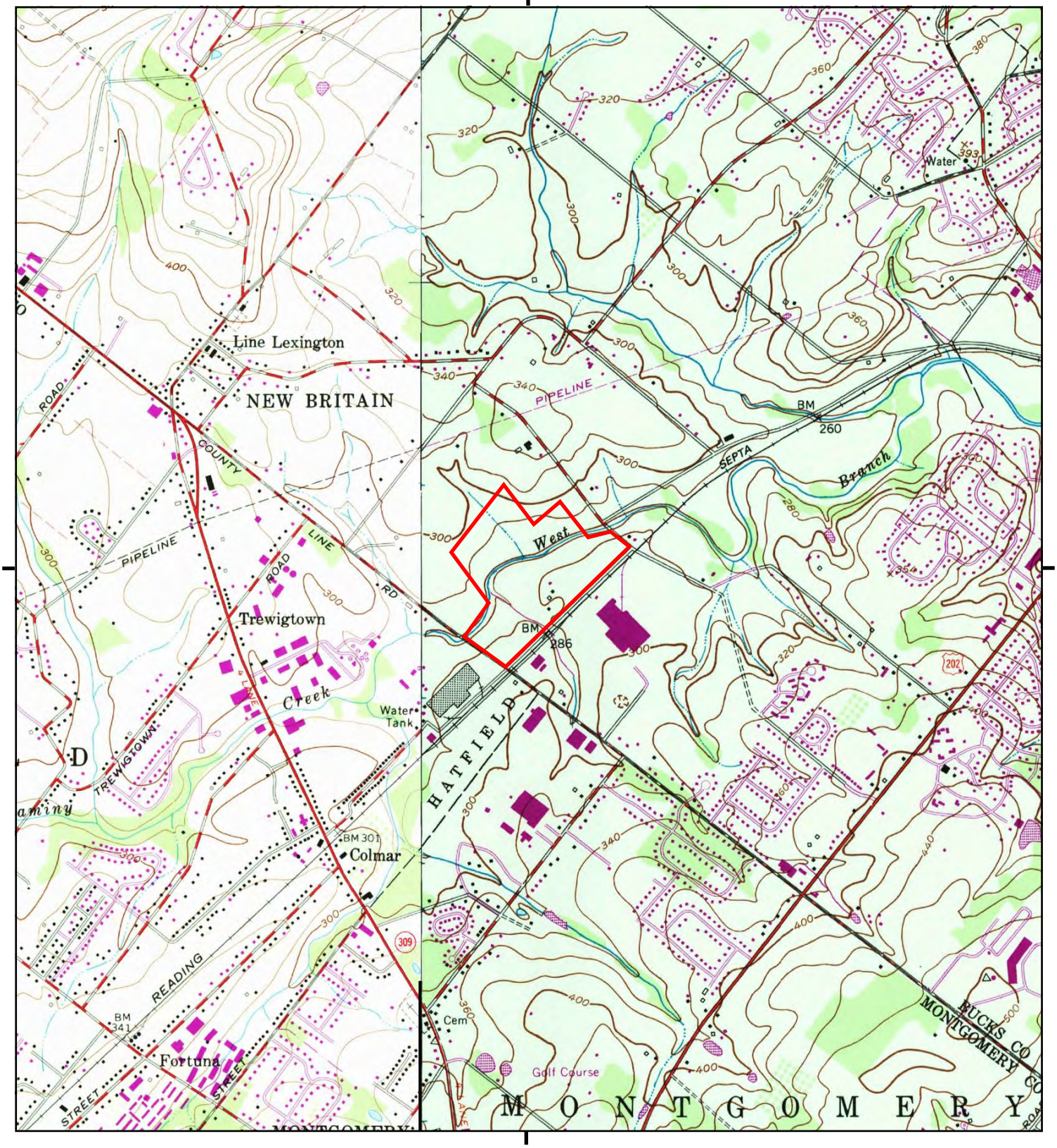
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1992, 7.5-minute
NW, Telford, 1996, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

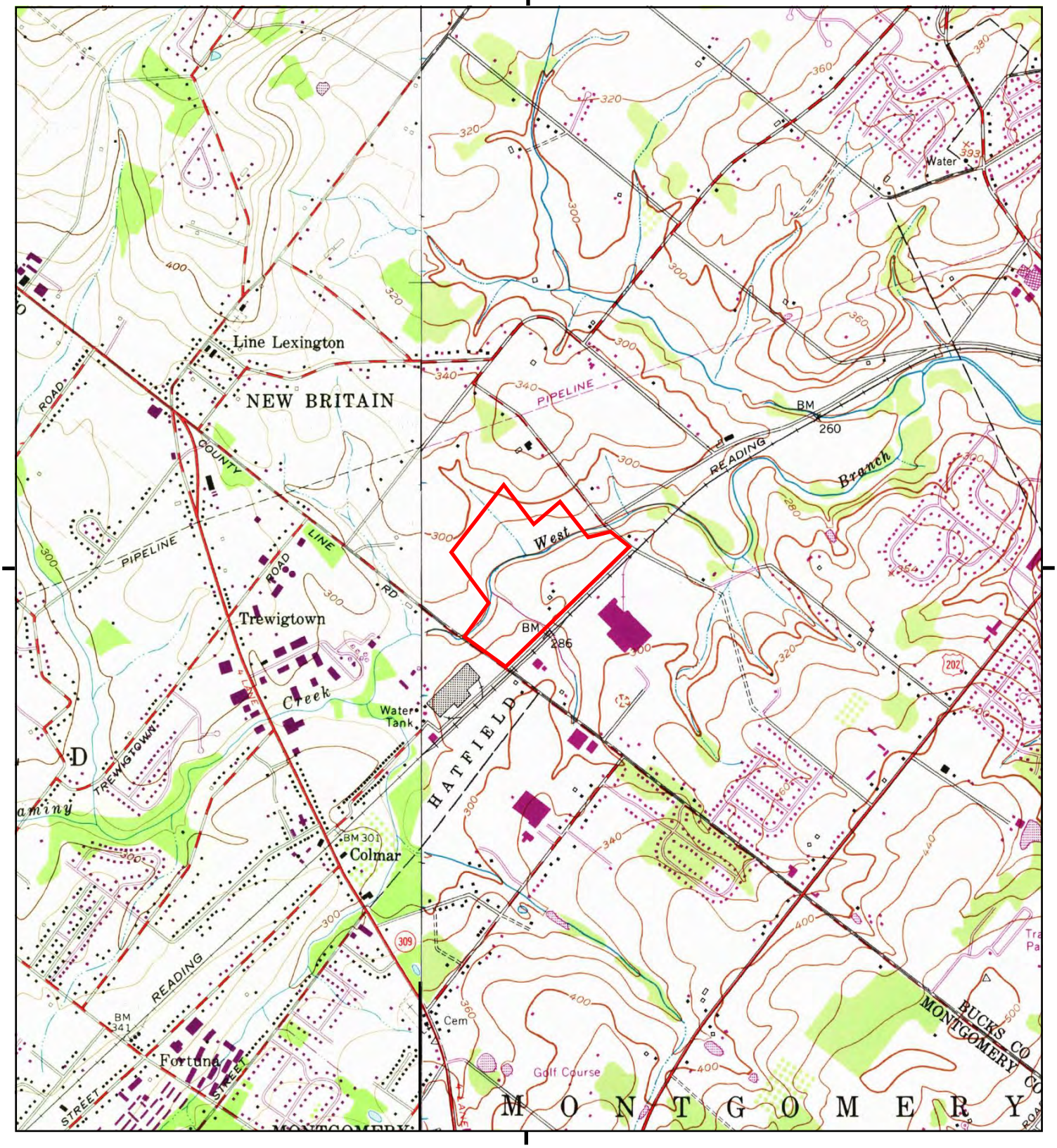
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1983, 7.5-minute
NW, Telford, 1980, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

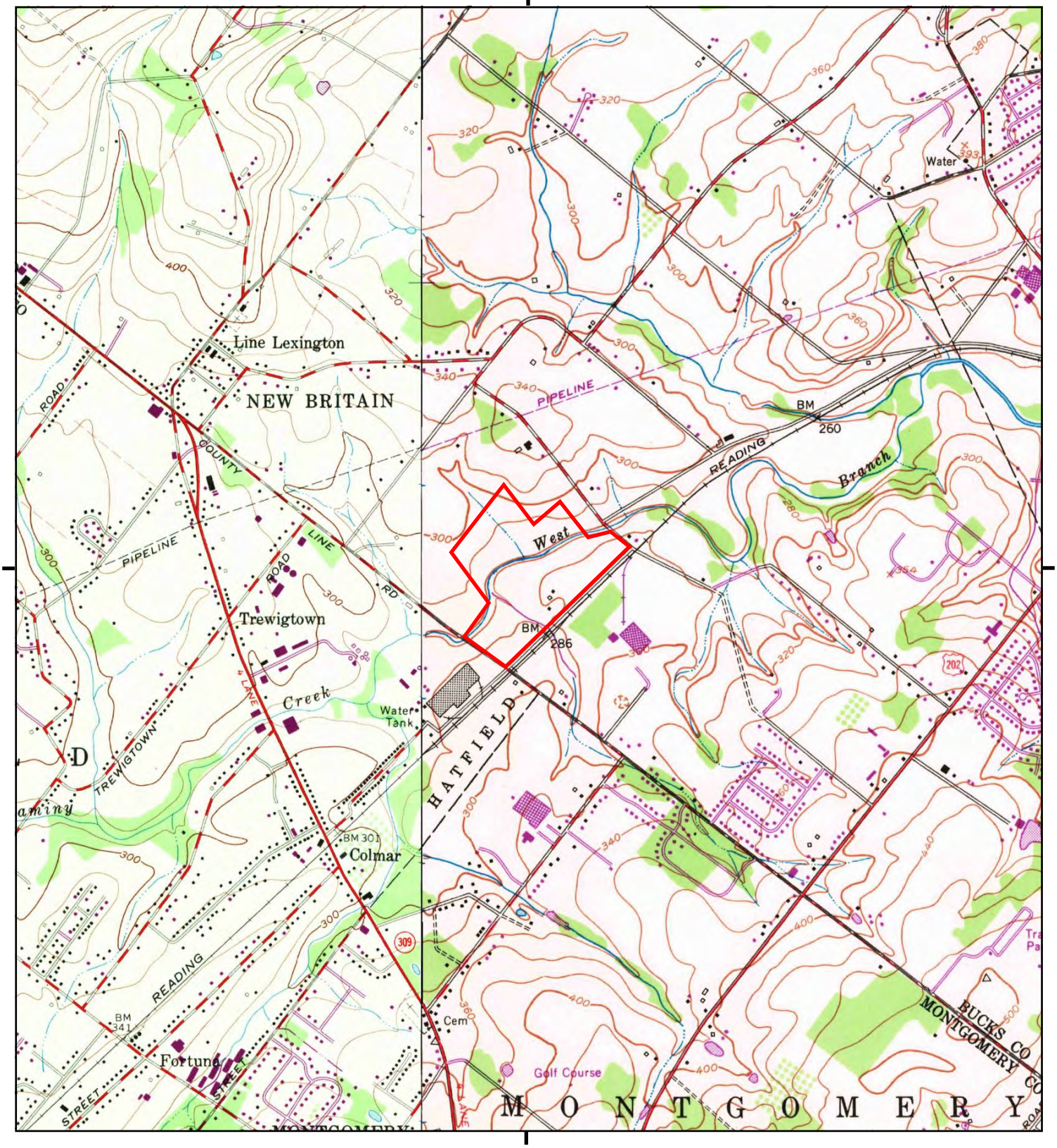
TP, Doylestown, 1973, 7.5-minute
NW, Telford, 1973, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N

Historical Topo Map

1968, 1969



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

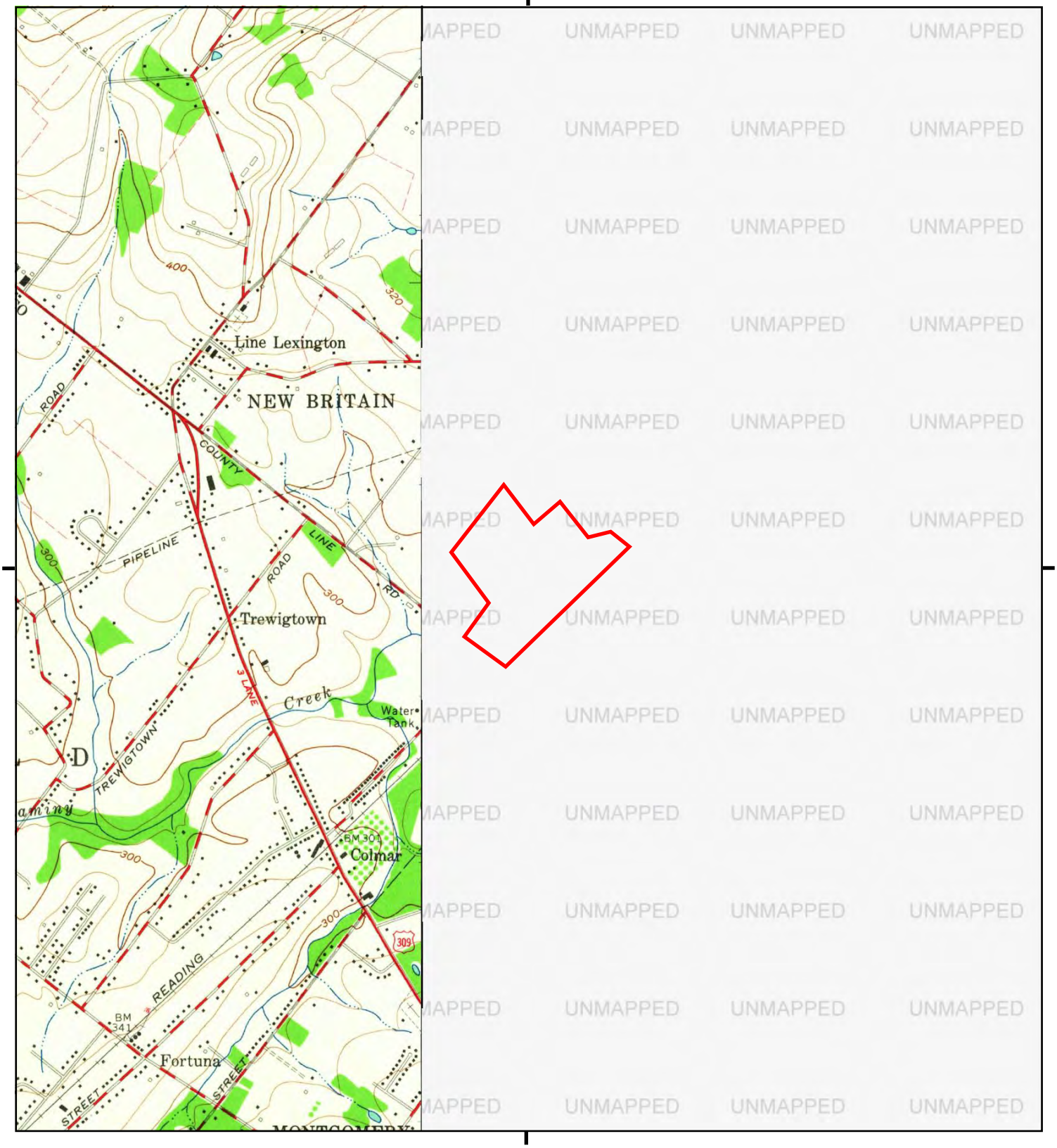
TP, Doylestown, 1968, 7.5-minute
NW, Telford, 1969, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N

Historical Topo Map

1960



This report includes information from the following map sheet(s).

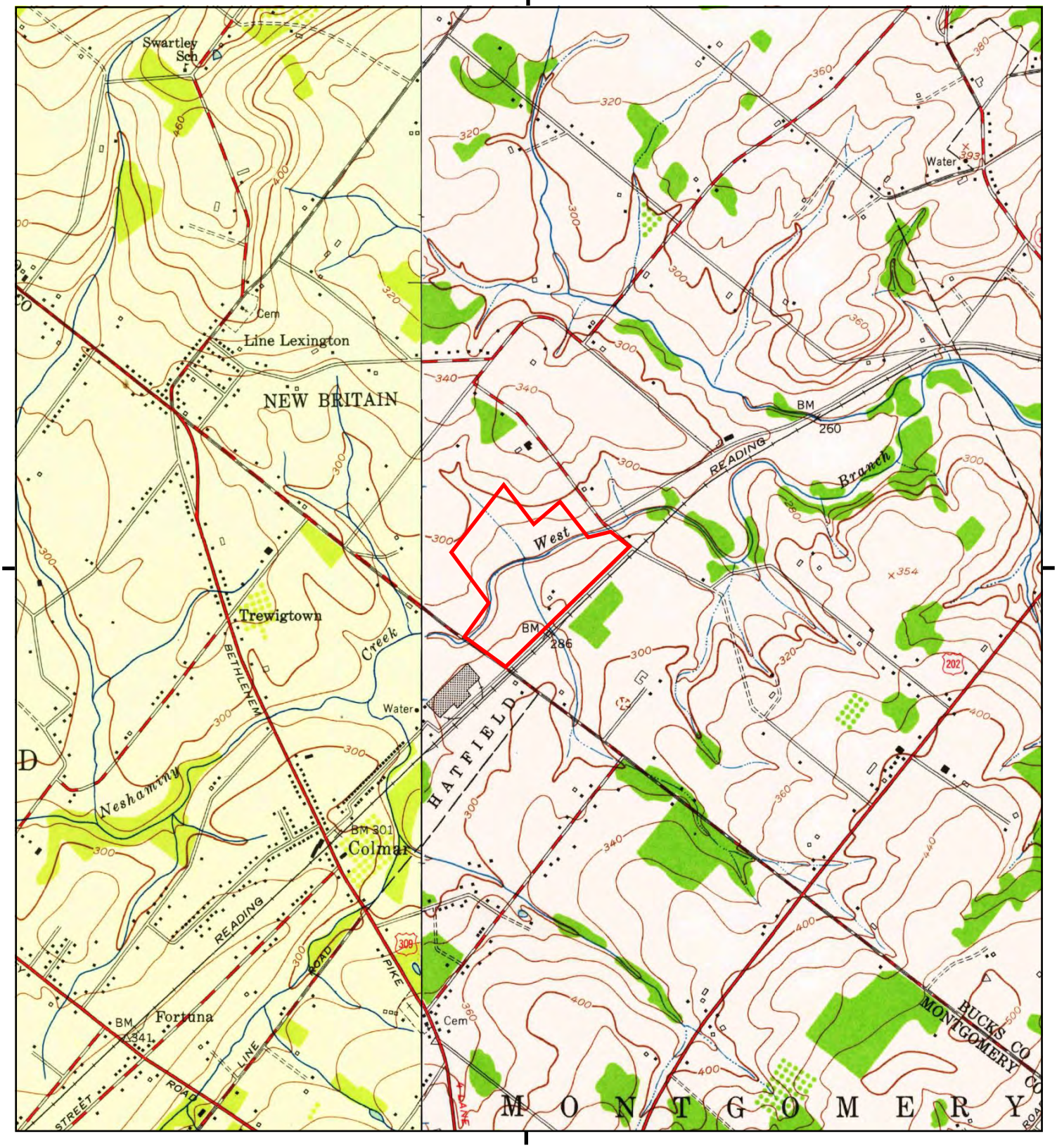
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

NW, Telford, 1960, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

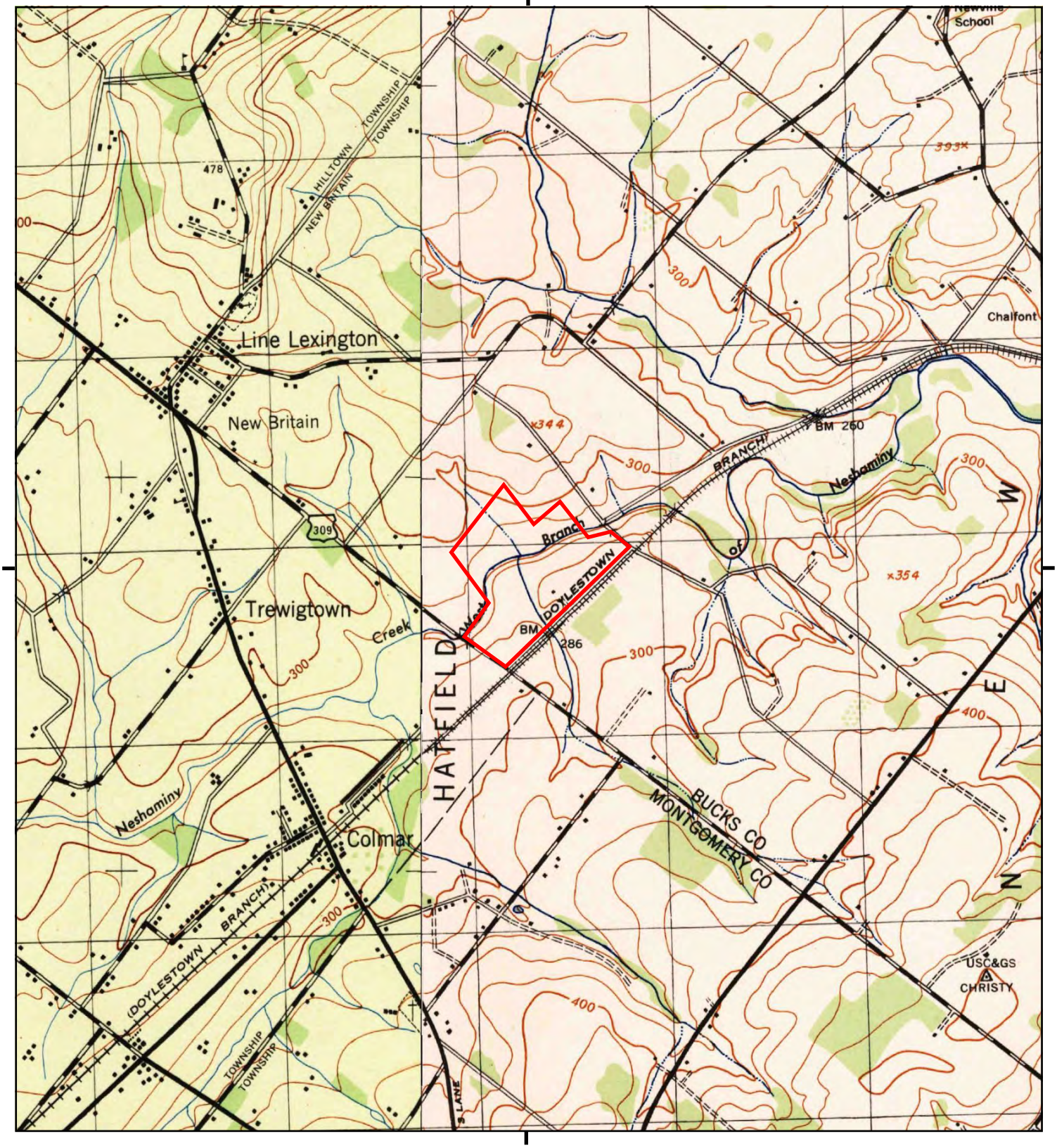
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1953, 7.5-minute
NW, Telford, 1953, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

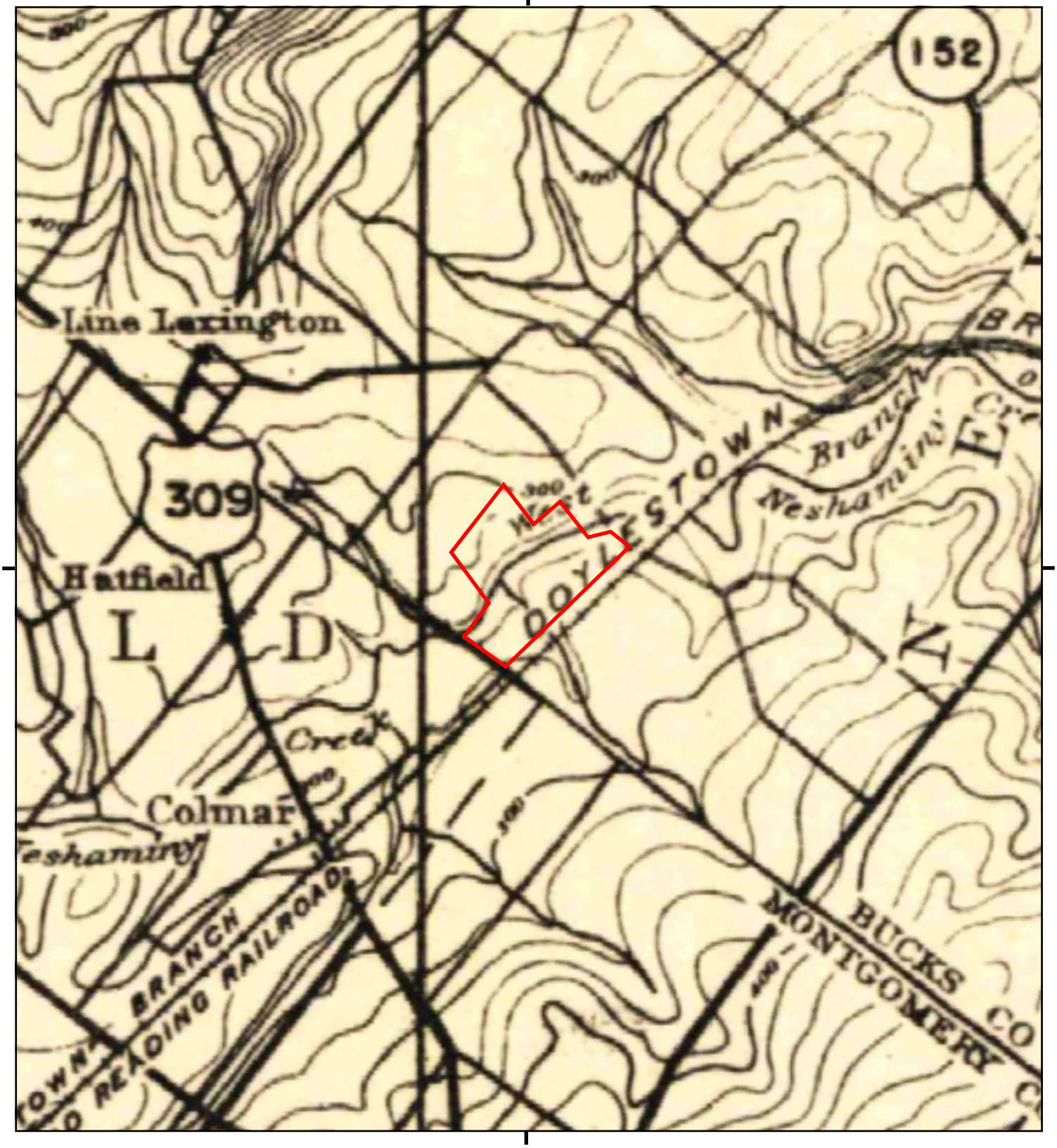
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1943, 7.5-minute
NW, Telford, 1943, 7.5-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

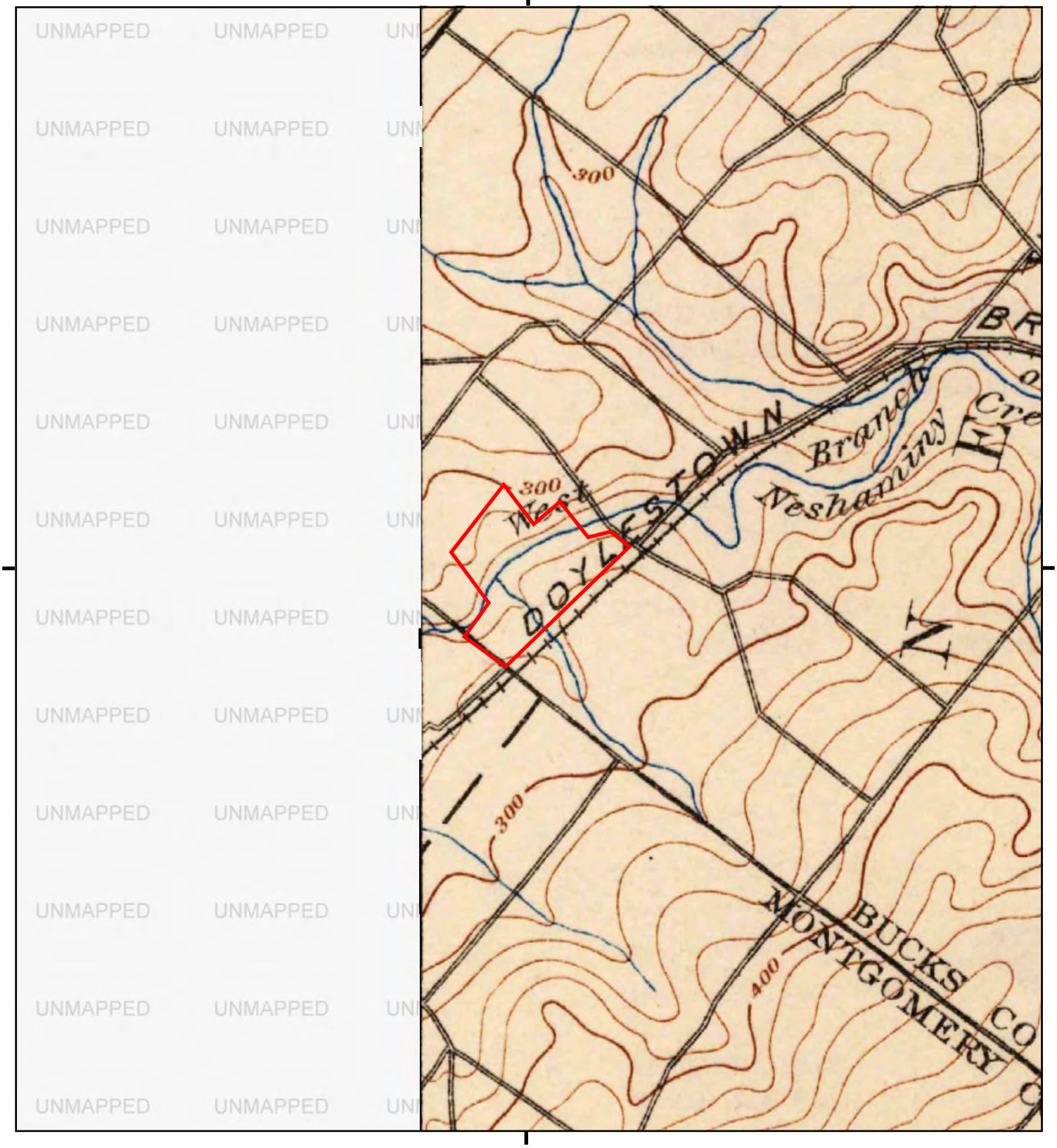
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Norristown, 1942, 30-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

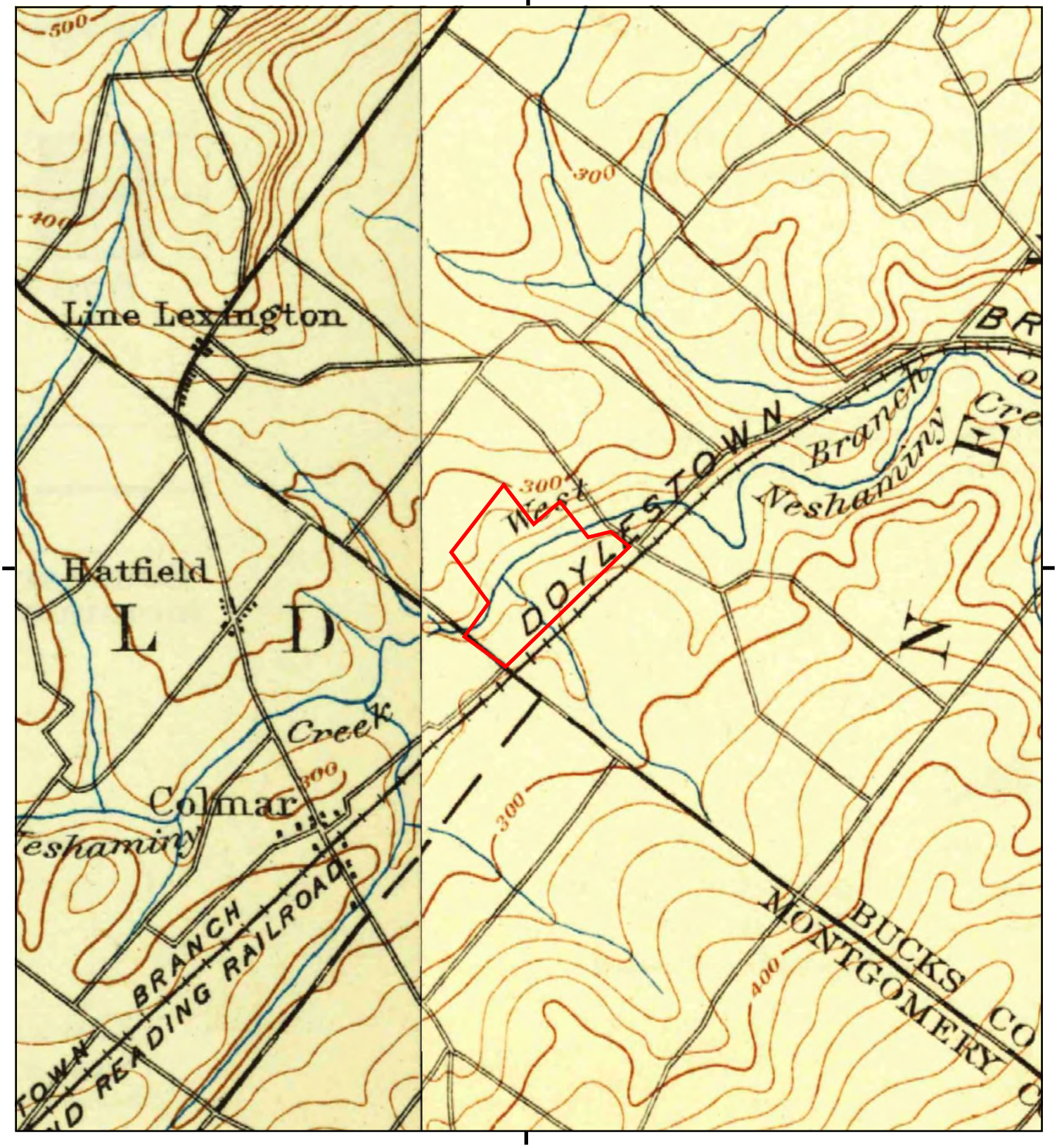
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1941, 15-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

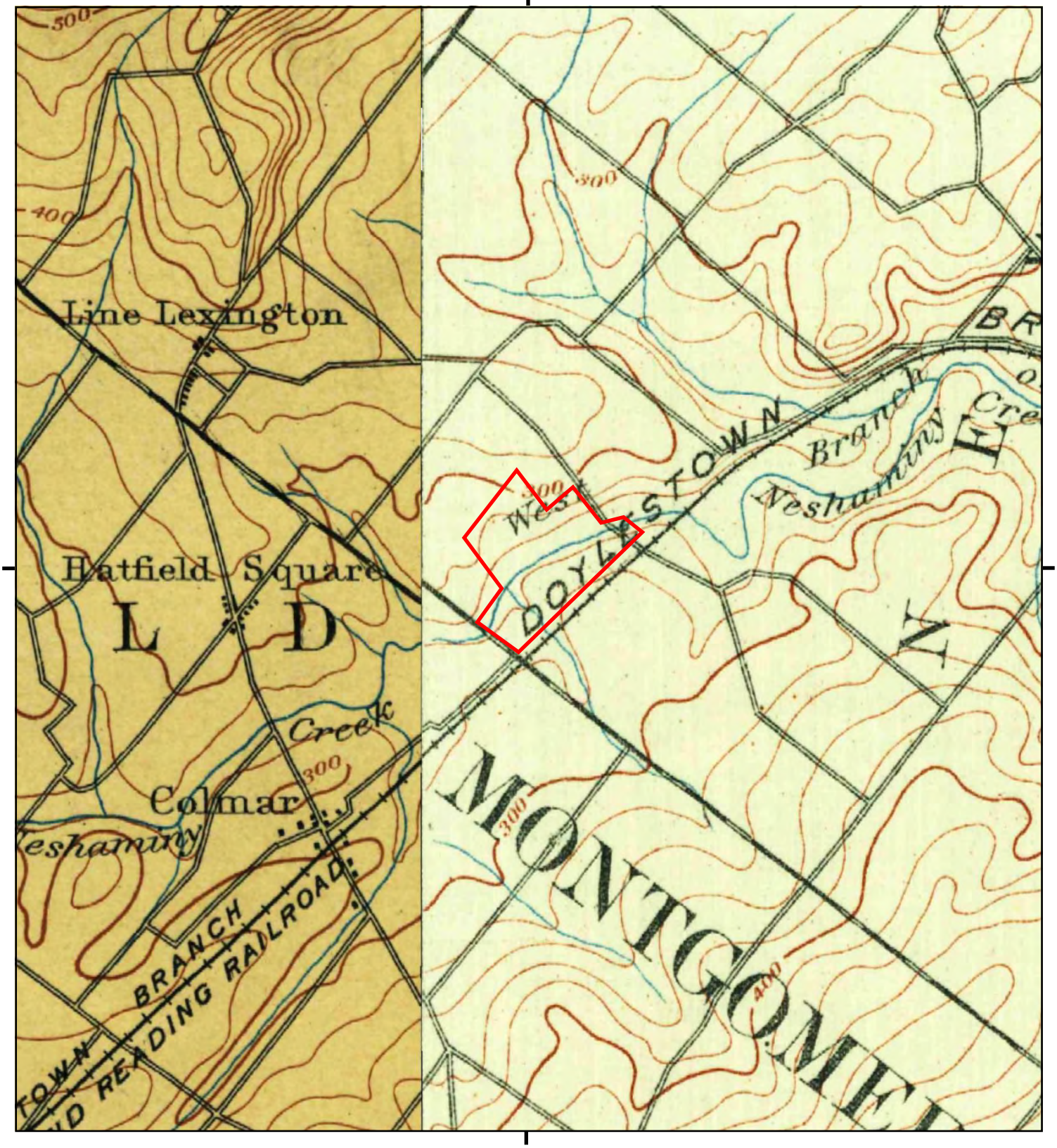
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1891, 15-minute
NW, Quakertown, 1894, 15-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

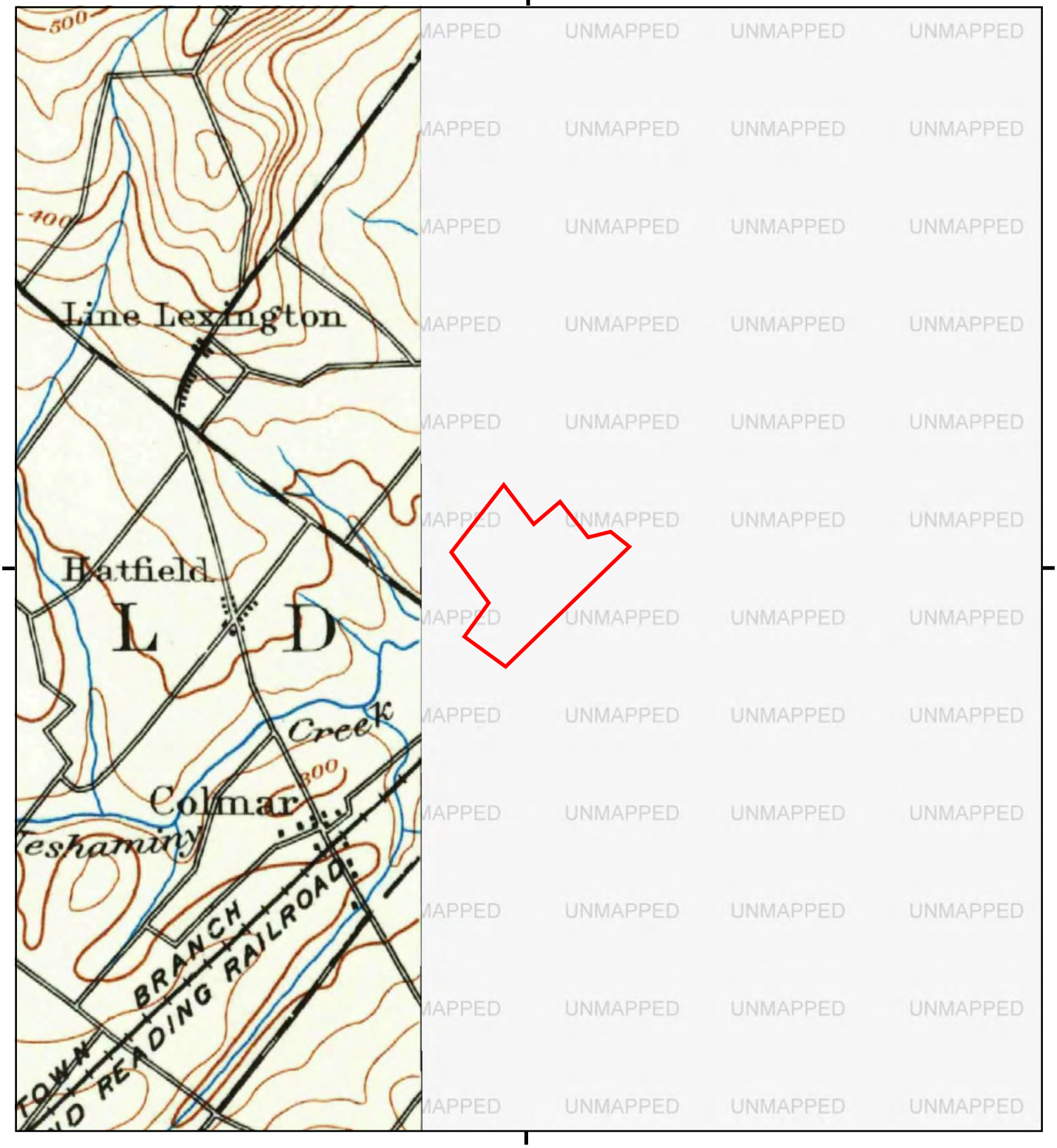
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Doylestown, 1890, 15-minute
NW, Quakertown, 1890, 15-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

NW, Quakertown, 1888, 15-minute

SITE NAME: Farm Property
ADDRESS: 54 Walnut Street
Chalfont, PA 18914
CLIENT: The Vertex Companies, Inc.

N

APPENDIX F

SANBORN FIRE INSURANCE MAPS

Farm Property
54 Walnut Street
Chalfont, PA 18914

Inquiry Number: 8005966.3
June 03, 2025

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/03/25

Site Name:

Farm Property
54 Walnut Street
Chalfont, PA 18914
EDR Inquiry # 8005966.3

Client Name:

The Vertex Companies, Inc.
400 Libbey Parkway
Weymouth, MA 02189-0000
Contact: Timothy Biercz

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by The Vertex Companies, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # 580E-4C57-9BF1

PO # 105634

Project Farm Property

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 580E-4C57-9BF1

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX G

REGULATORY DATABASE REPORT

THE VERTEX COMPANIES, LLC
400 LIBBEY PARKWAY
WEYMOUTH, MA 02189

Farm Property
54 Walnut Street
Chalfont, PA 18914

Inquiry Number: 8005966.2s
June 03, 2025

The EDR Radius Map™ Report with GeoCheck®

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

54 WALNUT STREET
CHALFONT, PA 18914

COORDINATES

Latitude (North):	40.2796320 - 40° 16' 46.67''
Longitude (West):	75.2436180 - 75° 14' 37.02''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	479289.3
UTM Y (Meters):	4458612.5
Elevation:	265 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	13944063 DOYLESTOWN, PA
Version Date:	2019
Northwest Map:	14035678 TELFORD, PA
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20220510, 20220517
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
54 WALNUT STREET
CHALFONT, PA 18914

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	NORTH PENN - AREA 5	MAPLE DR	NPL, SEMS, US ENG CONTROLS, US INST CONTROLS, ROD,	Same	1 ft.
A1	CONSTANTIA-COLMAR IN	92 COUNTY LINE RD	PA LUST, PA ARCHIVE AST, RCRA NonGen / NLR, ICIS,...	Higher	58, 0.011, SSW
A2	CONSTANTIA COLMAR IN	92 COUNTY LINE RD	PA MANIFEST, PA NPDES	Higher	58, 0.011, SSW
A3	CONSTANTIA COLMAR PL	92 COUNTY LINE RD	UST FINDER, UST FINDER RELEASE	Higher	58, 0.011, SSW
A4	CONSTANTIA COLMAR/HA	92 COUNTY LINE RD	PFAS ECHO	Higher	58, 0.011, SSW
A5	WAREHOUSE	92 COUNTY LINE RD	PA ARCHIVE UST, PA ASBESTOS	Higher	58, 0.011, SSW
A6	MALCO UNI STAR INDS	94 COUNTY LINE RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	58, 0.011, SSW
7	KEMA POWERTEST LLC	4379 COUNTY LINE RD	FINDS, E MANIFEST	Higher	278, 0.053, South
B8	SKEE BALL INC	121 LIBERTY LANE	PA MANIFEST	Higher	381, 0.072, West
B9	SKEE BALL INC	121 LIBERTY LANE	RCRA-VSQG, FINDS, ECHO	Higher	381, 0.072, West
C10	MATCOR, INC.	101 LIBERTY LN	E MANIFEST	Higher	512, 0.097, West
C11	MATCOR INC	101 LIBERTY LN	PA MANIFEST	Higher	512, 0.097, West
D12	TEVA PHARMACEUTICALS	111 NEW BRITAIN BLVD	RCRA-VSQG, E MANIFEST	Higher	637, 0.121, WNW
D13	TEVA PHARM NEW BRITA	111 NEW BRITAIN BLVD	PA AST	Higher	637, 0.121, WNW
E14	F M C CORP M H S DIV	3400 WALNUT ST	RCRA NonGen / NLR	Higher	713, 0.135, SSW
E15	FMC CORPORATION	3400 WALNUT ST	NY MANIFEST	Higher	713, 0.135, SSW
E16	R & B COLMAR FAC	3400 WALNUT ST	RCRA-VSQG, FINDS, ECHO	Higher	713, 0.135, SSW
E17	R & B	3400 E WALNUT ST	UST FINDER	Higher	744, 0.141, SSW
E18	DORMAN PRODUCTS INC	3400 E WALNUT ST	E MANIFEST	Higher	744, 0.141, SSW
E19	R & B	3400 E WALNUT ST	PA ARCHIVE UST	Higher	744, 0.141, SSW
20	TEVA PHARMACEUTICALS	11 NEW BRITAIN BLVD	PA MANIFEST	Higher	938, 0.178, West
21	QUAD/GRAPHICS MARKET		PFAS ECHO	Higher	992, 0.188, South
F22	CIMA NETWORK INC	121 NEW BRITIAN BLVD	E MANIFEST	Higher	999, 0.189, NW
F23	CIMA NETWORK, INC.	121 NEW BRITAIN BLVD	FINDS, E MANIFEST	Higher	999, 0.189, NW
F24	CIMA NETWORK, INC	121 NEW BRITAIN BLVD	E MANIFEST	Higher	999, 0.189, NW
G25	COLORCON, INC. - NO	171 NEW BRITAIN BLVD	RCRA-SQG, E MANIFEST, PA AIRS, PA MANIFEST	Higher	1068, 0.202, NNW
G26	COLORCON NO TOX PROD	171 NEW BRITAIN BLVD	FINDS, ECHO, PFAS ECHO	Higher	1068, 0.202, NNW
G27	COLORCON NO TOX PROD	171 NEW BRITAIN BLVD	PA MANIFEST	Higher	1068, 0.202, NNW
28	PDM CONSTRUCTORS	180 NEW BRITAIN BLVD	E MANIFEST	Higher	1188, 0.225, NNW
H29	MCCOY RES	78 TREWIGTON RD	PA UNREG LTANKS	Higher	1503, 0.285, NNW
H30	MCCOY RES	78 TREWIGTON RD	PA VCP, PA LAND REC CLEANUP	Higher	1537, 0.291, NNW
I31	WEBCRAFT TECH CHALFO	4371 COUNTY LINE RD	UST FINDER, UST FINDER RELEASE	Higher	1576, 0.298, SSE
I32	VERTIS DIRECT MARKET	4371 COUNTY LINE RD	PA LUST, PA VCP, PA AIRS, PA MANIFEST, PA NPDES,...	Higher	1576, 0.298, SSE
33	HATFIELD TWP MUNI AU		PA SWF/LF	Higher	1760, 0.333, SW
J34	AEL INDU TRACOR AERO	305 RICHARDSON RD	UST FINDER, UST FINDER RELEASE	Higher	1910, 0.362, South
J35	CAES SYS LLC	305 RICHARDSON RD	SEMS-ARCHIVE, CORRACTS, RCRA-LQG, PA LUST, PA...	Higher	1910, 0.362, South
36	3225 ADVANCE LN	3225 ADVANCE LN	PA VCP, PA ARCHIVE AST, PA LAND REC CLEANUP	Higher	1991, 0.377, WSW
37	BRITTANY SQ	RT 202 & COUNTY LINE	PA VCP, PA LAND REC CLEANUP	Higher	2030, 0.384, SSE
38	FIRST STUDENT 11227	3435 TREWIGTOWN RD	PA LAST, PA ARCHIVE AST	Higher	2415, 0.457, West

MAPPED SITES SUMMARY

Target Property Address:
54 WALNUT STREET
CHALFONT, PA 18914

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	ROYAL DISTR		PA SWF/LF	Higher	2517, 0.477, WSW
K40	CAPITAL CONTROLS CO	3000 ADVANCE LN	PA LUST	Higher	2604, 0.493, WSW
K41	CAPITAL CONTROLS CO	3000 ADVANCE LN	UST FINDER, UST FINDER RELEASE	Higher	2604, 0.493, WSW
42	NORTH PENN 5 NPL	305 RICHARDSON RD	PA SHWS, PA AUL	Higher	2876, 0.545, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

PA HSCA ---------- HSCA Remedial Sites Listing

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
PA UST ---------- Listing of Pennsylvania Regulated Underground Storage Tanks

INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

PA ENG CONTROLS ---- Engineering Controls Site Listing
PA INST CONTROL ---- Institutional Controls Site Listing

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

PA BROWNFIELDS ---- Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

PA HIST LF ---- Abandoned Landfill Inventory
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
US CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---- CERCLA Lien Information
PA ACT 2-DEED ---- Act 2-Deed Acknowledgment Sites

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
PA SPILLS ---- State spills

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System

SSTS	Section 7 Tracking Systems
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
MINES MRDS	Mineral Resources Data System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
PA PFAS	Sites With Known PFAS Contamination
PA DRYCLEANERS	Drycleaner Facility Locations
PA MINES	MINES
PA UIC	Underground Injection Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

PA RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

EXECUTIVE SUMMARY

PA RGA LF..... Recovered Government Archive Solid Waste Facilities List
PA RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 03/27/2025 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5 Cerclis ID:: 301452 EPA Id: PAD980692693	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 03/27/2025 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5 Site ID: 0301452	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***

EPA Id: PAD980692693

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 03/27/2025 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAES SYS LLC Site ID: 0303457 EPA Id: PAD009224981	***305 RICHARDSON RD***	***S 1/4 - 1/2 (0.362 mi.)***	***J35***	***873***

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 02/17/2025 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAES SYS LLC EPA ID:: PAD009224981	***305 RICHARDSON RD***	***S 1/4 - 1/2 (0.362 mi.)***	***J35***	***873***

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2025 has revealed that there is 1

RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COLORCON, INC. - NO	***171 NEW BRITAIN BLVD***	***NNW 1/8 - 1/4 (0.202 mi.)***	***G25***	***249***
EPA ID:: PAR000507731				

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 02/17/2025 has revealed that there are 3 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SKEE BALL INC	***121 LIBERTY LANE***	***W 0 - 1/8 (0.072 mi.)***	***B9***	***186***
EPA ID:: PAD987346368				
TEVA PHARMACEUTICALS	***111 NEW BRITAIN BLVD***	***WNW 0 - 1/8 (0.121 mi.)***	***D12***	***197***
EPA ID:: PAR000517532				
R & B COLMAR FAC	***3400 WALNUT ST***	***SSW 1/8 - 1/4 (0.135 mi.)***	***E16***	***221***
EPA ID:: PAD987366424				

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 01/29/2025 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***
EPA ID:: PAD980692693				
EPA ID:: PAD980692693				

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 01/29/2025 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***
EPA ID:: PAD980692693				

Lists of state- and tribal (Superfund) equivalent sites

PA SHWS: The State Hazardous Waste Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed Sites, and Sites being Studied or Response being Planned.

A review of the PA SHWS list, as provided by EDR, and dated 01/06/2025 has revealed that there is 1 PA SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN 5 NPL Site Id: 594783 Facility Id: 618623	***305 RICHARDSON RD***	***WSW 1/2 - 1 (0.545 mi.)***	***42***	***987***

Lists of state and tribal landfills and solid waste disposal facilities

PA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Resources' Solid Waste Facility Inventory/Transfer Stations.

A review of the PA SWF/LF list, as provided by EDR, has revealed that there are 2 PA SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HATFIELD TWP MUNI AU Database: MUN WASTE OPER, Date of Government Version: 02/10/2025		SW 1/4 - 1/2 (0.333 mi.)	33	871
ROYAL DISTR Database: RES WASTE OPER, Date of Government Version: 02/10/2025		WSW 1/4 - 1/2 (0.477 mi.)	39	984

Lists of state and tribal leaking storage tanks

PA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection List of Confirmed Releases.

A review of the PA LUST list, as provided by EDR, and dated 03/03/2025 has revealed that there are 4 PA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN Facility Id: 604312	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***
VERTIS DIRECT MARKET Facility Id: 583595	***4371 COUNTY LINE RD***	***SSE 1/4 - 1/2 (0.298 mi.)***	***I32***	***299***
CAES SYS LLC Facility Id: 603916	***305 RICHARDSON RD***	***S 1/4 - 1/2 (0.362 mi.)***	***J35***	***873***
CAPITAL CONTROLS CO Facility Id: 604963	3000 ADVANCE LN	WSW 1/4 - 1/2 (0.493 mi.)	K40	985

EXECUTIVE SUMMARY

PA LAST: The Leaking Aboveground Storage Tank database from the Department of Environmental Protection.

A review of the PA LAST list, as provided by EDR, and dated 03/03/2025 has revealed that there is 1 PA LAST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRST STUDENT 11227 Facility Id: 604782	***3435 TREWIGTOWN RD***	***W 1/4 - 1/2 (0.457 mi.)***	***38***	***980***

PA UNREG LTANKS: Leaking storage tank cases from unregulated storage tanks.

A review of the PA UNREG LTANKS list, as provided by EDR, and dated 04/12/2002 has revealed that there is 1 PA UNREG LTANKS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MCCOY RES Closed: 11/19/1997	78 TREWIGTON RD	NNW 1/4 - 1/2 (0.285 mi.)	H29	296

Lists of state and tribal registered storage tanks

PA AST: The Aboveground Storage Tank database contains registered ASTs from the Department of Environmental Protection's Listing of Pennsylvania Regulated Aboveground Storage Tanks.

A review of the PA AST list, as provided by EDR, and dated 03/05/2025 has revealed that there is 1 PA AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEVA PHARM NEW BRITA Site ID: 686067 Tank Status: C	111 NEW BRITAIN BLVD	WNW 0 - 1/8 (0.121 mi.)	D13	216

Lists of state and tribal voluntary cleanup sites

PA VCP: The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

A review of the PA VCP list, as provided by EDR, and dated 12/30/2024 has revealed that there are 4 PA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MCCOY RES Activity ID: 620469	***78 TREWIGTON RD***	***NNW 1/4 - 1/2 (0.291 mi.)***	***H30***	***296***
VERTIS DIRECT MARKET Activity ID: 825147	***4371 COUNTY LINE RD***	***SSE 1/4 - 1/2 (0.298 mi.)***	***I32***	***299***
3225 ADVANCE LN	***3225 ADVANCE LN***	***WSW 1/4 - 1/2 (0.377 mi.)***	***36***	***976***

Activity ID: 769841

BRITTANY SQ	***RT 202 & COUNTY LINE***	***SSE 1/4 - 1/2 (0.384 mi.)***	***37***	***978***
Activity ID: 636823				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

PA ARCHIVE UST: The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

A review of the PA ARCHIVE UST list, as provided by EDR, and dated 03/03/2025 has revealed that there are 2 PA ARCHIVE UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAREHOUSE	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A5***	***174***
Status: Removed Facility Id: 46-21209 Site ID: 517908				
R & B	3400 E WALNUT ST	SSW 1/8 - 1/4 (0.141 mi.)	E19	230
Status: Removed Facility Id: 46-17534 Site ID: 507947				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/17/2025 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***
EPA ID:: PAD061075529				
MALCO UNI STAR INDS	***94 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A6***	***177***
EPA ID:: PAD096835194				
F M C CORP M H S DIV	3400 WALNUT ST	SSW 1/8 - 1/4 (0.135 mi.)	E14	217
EPA ID:: PAD040838187				

EXECUTIVE SUMMARY

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 04/25/2025 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***
EPA ID:: PAD980692693				

PFAS NPL: EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

A review of the PFAS NPL list, as provided by EDR, and dated 03/31/2025 has revealed that there is 1 PFAS NPL site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***

PFAS PROJECT: The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

A review of the PFAS PROJECT list, as provided by EDR, and dated 05/19/2023 has revealed that there is 1 PFAS PROJECT site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH PENN - AREA 5	***MAPLE DR***	***0 - 1/8 (0.000 mi.)***	***0***	***8***

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/24/2025 has revealed that there are 3 PFAS ECHO sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA COLMAR/HA	92 COUNTY LINE RD	SSW 0 - 1/8 (0.011 mi.)	A4	171
QUAD/GRAPHICS MARKET		S 1/8 - 1/4 (0.188 mi.)	21	237
COLORCON NO TOX PROD	***171 NEW BRITAIN BLVD***	***NNW 1/8 - 1/4 (0.202 mi.)***	***G26***	***290***

EXECUTIVE SUMMARY

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 2 UST FINDER sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA COLMAR PL	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A3***	***169***
R & B	3400 E WALNUT ST	SSW 1/8 - 1/4 (0.141 mi.)	E17	224

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 4 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA COLMAR PL	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A3***	***169***
WEBCRAFT TECH CHALFO	***4371 COUNTY LINE RD***	***SSE 1/4 - 1/2 (0.298 mi.)***	***I31***	***297***
AEL INDU TRACOR AERO	***305 RICHARDSON RD***	***S 1/4 - 1/2 (0.362 mi.)***	***J34***	***871***
CAPITAL CONTROLS CO	***3000 ADVANCE LN***	***WSW 1/4 - 1/2 (0.493 mi.)***	***K41***	***986***

E MANIFEST: EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

A review of the E MANIFEST list, as provided by EDR, and dated 02/17/2025 has revealed that there are 10 E MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***
KEMA POWERTEST LLC	***4379 COUNTY LINE RD***	***S 0 - 1/8 (0.053 mi.)***	***7***	***182***
MATCOR, INC.	101 LIBERTY LN	W 0 - 1/8 (0.097 mi.)	C10	190
TEVA PHARMACEUTICALS	***111 NEW BRITAIN BLVD***	***WNW 0 - 1/8 (0.121 mi.)***	***D12***	***197***
DORMAN PRODUCTS INC	3400 E WALNUT ST	SSW 1/8 - 1/4 (0.141 mi.)	E18	226
CIMA NETWORK INC	121 NEW BRITIAN BLVD	NW 1/8 - 1/4 (0.189 mi.)	F22	238
CIMA NETWORK, INC.	***121 NEW BRITAIN BLVD***	***NW 1/8 - 1/4 (0.189 mi.)***	***F23***	***241***
CIMA NETWORK, INC	121 NEW BRITAIN BLVD	NW 1/8 - 1/4 (0.189 mi.)	F24	246
COLORCON, INC. - NO	***171 NEW BRITAIN BLVD***	***NNW 1/8 - 1/4 (0.202 mi.)***	***G25***	***249***
PDM CONSTRUCTORS	180 NEW BRITAIN BLVD	NNW 1/8 - 1/4 (0.225 mi.)	28	294

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 7 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN Generator EPA Id: PAD061075529	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***
CONSTANTIA COLMAR IN Generator EPA Id: PAD061075529	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A2***	***163***
SKEE BALL INC Generator EPA Id: PAD987346368	121 LIBERTY LANE	W 0 - 1/8 (0.072 mi.)	B8	184
MATCOR INC Generator EPA Id: PADEP0021477	101 LIBERTY LN	W 0 - 1/8 (0.097 mi.)	C11	194
TEVA PHARMACEUTICALS Generator EPA Id: PAR000517532	11 NEW BRITAIN BLVD	W 1/8 - 1/4 (0.178 mi.)	20	232
COLORCON, INC. - NO Generator EPA Id: PAR000507731	***171 NEW BRITAIN BLVD***	***NNW 1/8 - 1/4 (0.202 mi.)***	***G25***	***249***
COLORCON NO TOX PROD Generator EPA Id: PAR000507731	171 NEW BRITAIN BLVD	NNW 1/8 - 1/4 (0.202 mi.)	G27	292

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN EPA Id: PAD061075529	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 12/31/2019 has revealed that there are 2 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN EPA ID: PAD061075529	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***
FMC CORPORATION EPA ID: PAD040838187	3400 WALNUT ST	SSW 1/8 - 1/4 (0.135 mi.)	E15	219

EXECUTIVE SUMMARY

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

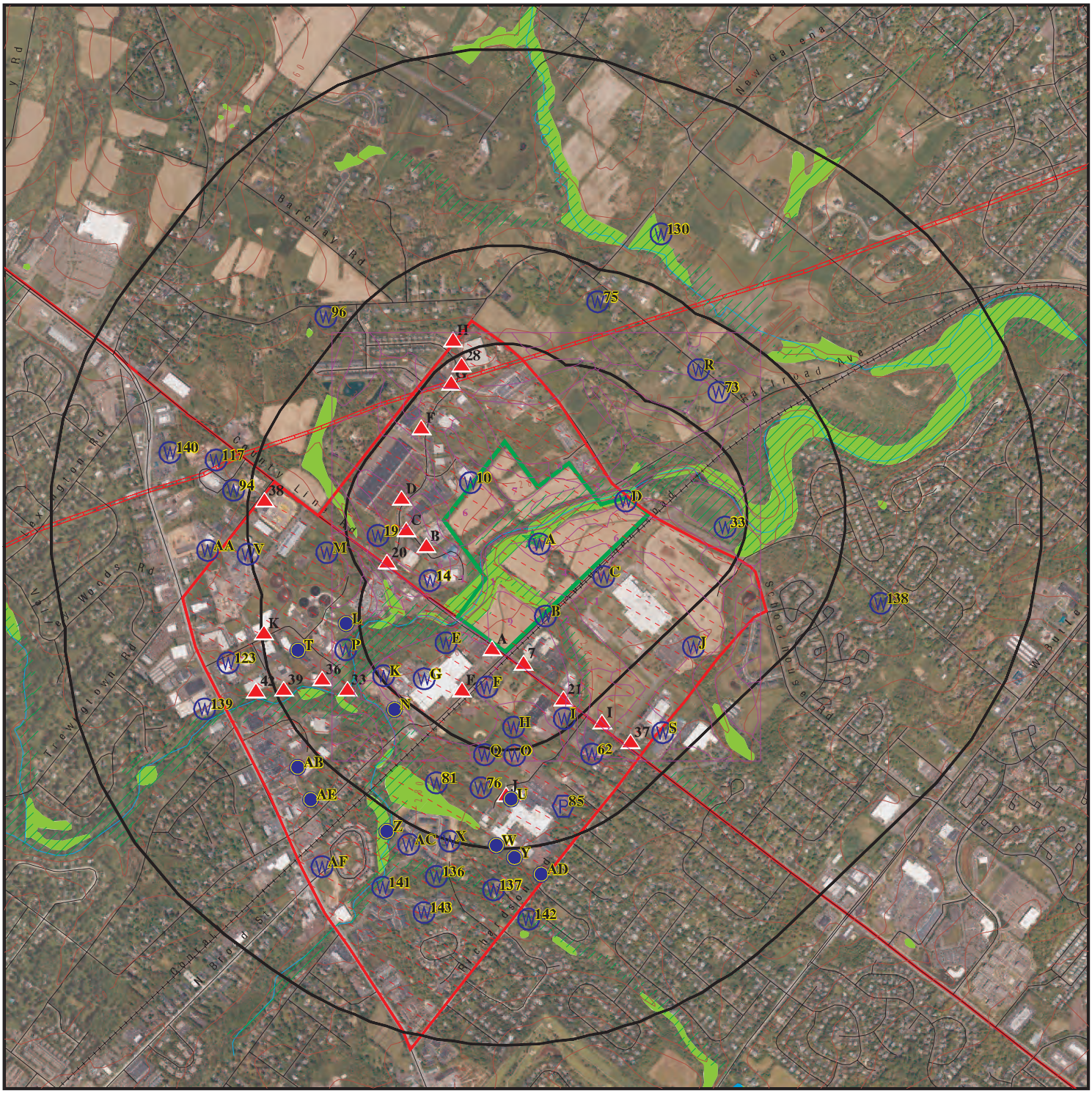
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSTANTIA-COLMAR IN	***92 COUNTY LINE RD***	***SSW 0 - 1/8 (0.011 mi.)***	***A1***	***30***
EPA Id: PAD061075529				
Manifest Document Number: NJA1042451				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
GAS SPRINGS	PRP
WATER COLOR GRAPHICS INK SPILL	SEMS-ARCHIVE
GEORGE TRIPP INC	PA LUST, PA ARCHIVE AST, PA MANIFEST
LINE LEXINGTON	PA LUST, PA AST

OVERVIEW MAP - 8005966.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Farm Property	CLIENT:	The Vertex Companies, Inc.
ADDRESS:	54 Walnut Street Chalfont PA 18914	CONTACT:	Timothy Biercz
		INQUIRY #:	8005966.2s
LAT/LONG:	40.279632 / 75.243618	DATE:	June 03, 2025 10:43 am

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DETAIL MAP - 8005966.2S



0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Pipelines
- Special Flood Hazard Area (1%)
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		DATE:	June 03, 2025 10:43 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	1	0	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		2	1	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
PA SHWS	1.000		0	0	0	1	NR	1
PA HSCA	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
PA SWF/LF	0.500		0	0	2	NR	NR	2
Lists of state and tribal leaking storage tanks								
PA LUST	0.500		1	0	3	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PA LAST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
PA UNREG LTANKS	0.500		0	0	1	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
PA UST	0.250		0	0	NR	NR	NR	0
PA AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
PA ENG CONTROLS	0.500		0	0	0	NR	NR	0
PA AUL	0.500		0	0	0	NR	NR	0
PA INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
PA VCP	0.500		0	0	4	NR	NR	4
INDIAN VCP	0.500		0	0	0	NR	NR	0
PA LAND REC CLEANUP	TP		NR	NR	NR	NR	NR	0
Lists of state and tribal brownfield sites								
PA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
PA HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
PA ARCHIVE UST	0.250		1	1	NR	NR	NR	2
PA ARCHIVE AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
PA ACT 2-DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PA SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	1	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		1	0	NR	NR	NR	1
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		1	0	NR	NR	NR	1
PFAS ECHO	0.250		1	2	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		1	1	NR	NR	NR	2
UST FINDER RELEASE	0.500		1	0	3	NR	NR	4
E MANIFEST	0.250		4	6	NR	NR	NR	10
PA PFAS	0.250		0	0	NR	NR	NR	0
PA AIRS	TP		NR	NR	NR	NR	NR	0
PA ASBESTOS	TP		NR	NR	NR	NR	NR	0
PA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
PA MANIFEST	0.250		4	3	NR	NR	NR	7
NJ MANIFEST	0.250		1	0	NR	NR	NR	1
NY MANIFEST	0.250		1	1	NR	NR	NR	2
RI MANIFEST	0.250		1	0	NR	NR	NR	1
PA MINES	0.250		0	0	NR	NR	NR	0
PA NPDES	TP		NR	NR	NR	NR	NR	0
PA UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
PA RGA HWS	TP		NR	NR	NR	NR	NR	0
PA RGA LF	TP		NR	NR	NR	NR	NR	0
PA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	28	17	16	1	0	62

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

NPL **NORTH PENN - AREA 5** **NPL 1000406384**
Region **MAPLE DR** **SEMS PAD980692693**
MONTGOMERY TOWNSHIP, PA 18915 **US ENG CONTROLS**
< 1/8 **US INST CONTROLS**
1 ft. **ROD**
PRP
PFAS NPL
PFAS PROJECT

NPL:

EPA Region:	3
EPA ID:	PAD980692693
Site ID:	301452
Name:	NORTH PENN - AREA 5
Address:	Maple Dr
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
Federal:	N
Final Date:	1989-03-31 00:00:00
Latitude:	40.2721
Longitude:	-75.2451
Site Score:	35.57
NAI:	Not reported
Native American Entity:	Not reported

Substance as of 08/2019:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	C324
CAS Number:	156-59-2
Substance:	CIS-1,2-DICHLOROETHYLENE
Pathway:	GROUND WATER PATHWAY
Scoring:	2

NPL Status:	Currently on the Final NPL
Substance ID:	U078
CAS Number:	75-35-4
Substance:	DICHLOROETHENE, 1,1-
Pathway:	GROUND WATER PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	U210
CAS Number:	127-18-4
Substance:	TETRACHLOROETHENE
Pathway:	GROUND WATER PATHWAY
Scoring:	2

NPL Status:	Currently on the Final NPL
Substance ID:	U226
CAS Number:	71-55-6
Substance:	TRICHLOROETHANE, 1,1,1-
Pathway:	GROUND WATER PATHWAY
Scoring:	2

NORTH PENN - AREA 5 (Continued) **1000406384**

NPL Status:	Currently on the Final NPL
Substance ID:	U228
CAS Number:	79-01-6
Substance:	TRICHLOROETHYLENE (TCE)
Pathway:	GROUND WATER PATHWAY
Scoring:	2

Summary Details:

Conditions at proposal January 22, 1987): The North Penn-Area 5 Site is in Montgomery Township, Montgomery County, Pennsylvania. The site was originally proposed under the name American Electronics Laboratories, Inc. The site has beenrenamed because the contamination may be caused by sources in addition to that identified in the original name. This is one of several NPL sites involving North Penn Water Authority NPWA) wells that supply drinking water to most of the peopleliving northwest of Philadelphia. Six additional areas with contaminated ground water are under investigation. American Electronics Laboratories, Inc. AEL) manufactures electronic communication equipment and components on a 200-acre site in Montgomery Township. Trichloroethylene TCE) has been used at the facility. The Pennsylvania Department of Environmental Resources PA DER)and AEL have detected TCE, 1,1,1-trichloroethane, tetrachloroethylene, and related breakdownproducts in on-site and off-site wells. Soils on the site also contain TCE up to 50,000 parts per billion). An estimated 106,000 people use public and private wells within 3 miles of the facility as their source of drinking water. A public well is within 50 feet of the site. AEL has removed 125 cubic yards of contaminated soil and transported it to an EPA-regulated ha ardous waste facility. In 1981, AEL began treating contaminated ground water by pumping on- site monitoringwells and treating the water at a nearby sewage treatment plant. In early 1986, AEL installed an air stripper unit on-site to treat contaminated ground water. Status March 31, 1989): EPA is developing a workplan for a remedial investigation/feasibility study RI/FS) to determine the type and extent of contamination in the area and identify alternatives for remedial action. As a detailed workplan is developed, the sources responsible for the contamination will be given an opportunity to conduct the RI/FS. EPA is evaluating additional sources of contamination.

Category as of 08/2019:

NPL Status:	Currently on the Final NPL
Category Description:	Depth To Aquifer-> 25 And <= 50 Feet
Category Value:	40

NPL Status:	Currently on the Final NPL
Category Description:	Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value:	10

Narratives as of 08/2019:

NPL Name:	NORTH PENN - AREA 5

Site as of 08/2019:

EPA Region:	03
Site ID:	0301452
Site Status:	F
Federal Site:	N
Date Deleted:	Not reported
Date Finalized:	03/31/89

NORTH PENN - AREA 5 (Continued) **1000406384**

Date Proposed: 01/22/87

Site Status as of 08/2019:
Proposed Date: 01/22/1987
Final Date: 03/31/1989
Deleted Date: Not reported
NPL Status: Final

Narr:
Site Name: North Penn - Area 5
Site EPA ID: PAD980692693
Listing Date: 3/31/1989
Site Score: 35.57
Federal Facility Indicator: No

Site List URL:

Site Progress URL:

Federal Register URL:

Site Location URL:

SEMS:
Site ID: 0301452
EPA ID: PAD980692693
Name: NORTH PENN - AREA 5
Address: MAPLE DR
Address 2: Not reported
City,State,Zip: MONTGOMERY TOWNSHIP, PA 18915
Cong District: 01
FIPS Code: 42091
Latitude: +40.272100
Longitude: -75.245100
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 03
Site ID: 0301452
EPA ID: PAD980692693
Site Name: NORTH PENN - AREA 5
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1997-08-28 04:00:00
Finish Date: 1997-08-28 04:00:00
Qual: E
Current Action Lead: EPA Perf

Region: 03

NORTH PENN - AREA 5 (Continued) **1000406384**

Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1989-02-10 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2009-06-03 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	3
Start Date:	2011-09-14 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	2000-08-28 04:00:00
Finish Date:	2001-04-16 04:00:00
Qual:	S

NORTH PENN - AREA 5 (Continued) **1000406384**

Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1989-09-15 04:00:00
Finish Date:	1989-09-15 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2
Start Date:	1990-06-28 04:00:00
Finish Date:	1990-06-28 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	3
Start Date:	1991-03-27 05:00:00
Finish Date:	1991-03-27 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	4

NORTH PENN - AREA 5 (Continued) **1000406384**

Start Date:	2000-01-19 05:00:00
Finish Date:	2001-04-16 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1986-07-01 04:00:00
Finish Date:	1986-10-10 04:00:00
Qual:	O
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1989-03-31 05:00:00
Finish Date:	1989-03-31 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1987-01-22 05:00:00
Finish Date:	1987-01-22 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00

NORTH PENN - AREA 5 (Continued) **1000406384**

Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1980-04-01 05:00:00
Finish Date:	1980-04-01 05:00:00
Qual:	L
Current Action Lead:	St Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1981-09-01 04:00:00
Finish Date:	1981-09-01 04:00:00
Qual:	L
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1979-08-01 04:00:00
Finish Date:	1979-08-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1986-08-01 04:00:00
Finish Date:	1986-12-02 05:00:00
Qual:	H
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5

NORTH PENN - AREA 5 (Continued) **1000406384**

NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	1989-05-19 04:00:00
Finish Date:	1989-10-17 04:00:00
Qual:	H
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	00
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	1
Start Date:	2006-06-29 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	4
Start Date:	2014-08-08 05:00:00
Finish Date:	2016-08-18 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	FS
Action Name:	FS
SEQ:	1
Start Date:	2010-01-06 05:00:00
Finish Date:	2016-07-12 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03

NORTH PENN - AREA 5 (Continued) **1000406384**

Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	1997-12-04 05:00:00
Finish Date:	2007-05-30 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	BE
Action Name:	PRP RD
SEQ:	1
Start Date:	2023-07-25 05:00:00
Finish Date:	Not reported
Qual:	L
Current Action Lead:	EPA Ovrsght

Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	2006-12-12 05:00:00
Finish Date:	2016-07-12 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght

Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	DA
Action Name:	Pre-Dsgn Ast
SEQ:	1
Start Date:	2016-08-17 05:00:00
Finish Date:	2017-03-21 04:00:00
Qual:	Not reported

NORTH PENN - AREA 5 (Continued) **1000406384**

Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	DA
Action Name:	Pre-Dsgn Ast
SEQ:	2
Start Date:	2017-03-21 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	2004-06-25 04:00:00
Finish Date:	2004-06-25 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	01
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	3
Start Date:	2020-02-21 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2

NORTH PENN - AREA 5 (Continued) **1000406384**

Start Date:	2011-08-19 04:00:00
Finish Date:	2011-08-19 04:00:00
Qual:	E
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	3
Start Date:	2012-06-28 05:00:00
Finish Date:	2012-06-28 05:00:00
Qual:	OR
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	7
Start Date:	2014-03-20 04:00:00
Finish Date:	2014-03-20 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	RI
Action Name:	RI
SEQ:	1
Start Date:	2020-02-21 06:00:00
Finish Date:	2020-12-04 06:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02

NORTH PENN - AREA 5 (Continued) **1000406384**

Action Code:	RI
Action Name:	RI
SEQ:	2
Start Date:	2022-07-01 05:00:00
Finish Date:	2024-08-21 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	2006-07-24 04:00:00
Finish Date:	2011-09-07 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	2012-08-16 04:00:00
Finish Date:	2014-09-17 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	NA
Action Name:	PRP RI
SEQ:	1
Start Date:	2017-08-22 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5

NORTH PENN - AREA 5 (Continued) **1000406384**

NPL:	F
FF:	N
OU:	02
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	2014-03-13 04:00:00
Finish Date:	Not reported
Qual:	S
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	2011-09-07 04:00:00
Finish Date:	2011-09-07 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	02
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	2
Start Date:	2016-02-22 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	03
Action Code:	FS
Action Name:	FS
SEQ:	2
Start Date:	2022-11-30 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03

NORTH PENN - AREA 5 (Continued) **1000406384**

Site ID:	0301452
EPA ID:	PAD980692693
Site Name:	NORTH PENN - AREA 5
NPL:	F
FF:	N
OU:	03
Action Code:	RD
Action Name:	RD
SEQ:	1
Start Date:	2006-02-23 05:00:00
Finish Date:	2020-08-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

SIte:

Name:	NORTH PENN - AREA 5
Address:	MAPLE DR
Address 2:	Not reported
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
Event Code:	Not reported
Action Taken Date:	07/12/2016
EPA ID:	PAD980692693
Action Name:	ROD Amendment
Action ID:	1
Operable Unit:	01
Contaminated Media:	Groundwater
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2016
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

Media:

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	07/12/2016
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2016
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater

NORTH PENN - AREA 5 (Continued) **1000406384**

Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	07/12/2016
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2016
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	07/12/2016
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2016
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported

NORTH PENN - AREA 5 (Continued) **1000406384**

Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	09/07/2011
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N

NORTH PENN - AREA 5 (Continued) **1000406384**

Latitude:	+40.272100
Longitude:	-75.245100
EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	09/07/2011
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100
EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	09/07/2011
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100
EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	09/07/2011
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100
EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	5

NORTH PENN - AREA 5 (Continued) **1000406384**

Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported

NORTH PENN - AREA 5 (Continued) **1000406384**

Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

EPA ID:	PAD980692693
Contaminated Media:	Groundwater
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	06/25/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

US INST CONTROLS:

Name:	NORTH PENN - AREA 5
Address:	MAPLE DR
Address 2:	Not reported
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
Action Name:	ROD Amendment
Action ID:	1
Operable Unit:	01
Actual Date:	07/12/2016
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported

NORTH PENN - AREA 5 (Continued) **1000406384**

Event:	Not reported
Federal Facility:	N
Fiscal Year:	2016
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

Name:	NORTH PENN - AREA 5
Address:	MAPLE DR
Address 2:	Not reported
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
Action Name:	Record of Decision
Action ID:	1
Operable Unit:	01
Actual Date:	06/25/2004
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

Name:	NORTH PENN - AREA 5
Address:	MAPLE DR
Address 2:	Not reported
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	09/07/2011
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

Name:	NORTH PENN - AREA 5
Address:	MAPLE DR
Address 2:	Not reported
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
Action Name:	Record of Decision
Action ID:	5

NORTH PENN - AREA 5 (Continued) **1000406384**

Operable Unit:	03
Actual Date:	06/25/2004
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+40.272100
Longitude:	-75.245100

ROD:

Name:	NORTH PENN - AREA 5
Address:	Maple Dr
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
RG:	3
Site ID:	301452
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	RI/FS, BAE PLUME
SEQ ID:	1
Action Completion:	2004-06-25 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

Name:	NORTH PENN - AREA 5
Address:	Maple Dr
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
RG:	3
Site ID:	301452
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	STABILUS PLUME
SEQ ID:	2
Action Completion:	2011-09-07 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

Name:	NORTH PENN - AREA 5
Address:	Maple Dr
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPA ID:	PAD980692693
RG:	3
Site ID:	301452
Action:	GOVT ROD Amendment
Operable Unit Number:	RI/FS, BAE PLUME
SEQ ID:	1
Action Completion:	2016-07-12 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

PRP:

PRP Name:	ABB POWER DISTRIBUTION, INC.

NORTH PENN - AREA 5 (Continued) **1000406384**

ABB POWER DISTRIBUTION, INC.
AMERICAN ELECTRONICS LABS.
AMERICAN ELECTRONICS LABS.
BAE SYSTEMS AEROSPACE ELECTRONIC INC
BAE SYSTEMS AEROSPACE ELECTRONIC INC
BAE SYSTEMS ELECTRONIC INFORMATION AND SYSTEMS INTEGRATION, INC.
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.
BAE SYSTEMS, INC
BARON BLAKESLEE INC
BARON BLAKESLEE INC
BERMAN REALTY
BERMAN REALTY
CONSTANTIA COLMAR
CONSTANTIA COLMAR
CONSTANTIA COLMAR
CONSTANTIA COLMAR

Click this hyperlink while viewing on your computer to access
47 additional PRP: record(s) in the EDR Site Report.

PFAS NPL:

EPA Region:	3
Name:	NORTH PENN - AREA 5
Address:	MAPLE DR
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
EPAID:	PAD980692693

Superfund Link:

Data Systems:	SEMS
Location Type:	Not reported
NPL Site:	Yes
NPL Status:	Final
Media Detected:	Not reported
Latitude:	40.2721
Longitude:	-75.2451

PFAS PROJECT:

Name:	NORTH PENN - AREA 5
Name 2:	Not reported
Address:	MAPLE DR
City,State,Zip:	MONTGOMERY TOWNSHIP, PA 18915
Latitude:	40.2721
Longitude:	-75.2451
Industry:	Superfund Site
Sample Matrix:	Unknown
Sample Date:	Not reported
PFOA (ppt):	Not reported
PFOS (ppt):	Not reported
PFOA+PFOS from one sample (ppt):	Not reported
Total PFAS from one sample (ppt):	Not reported
Notes:	Identified by the Environmental Protection Agency (EPA) as having PFAS contamination. Provided to the Senate Committee on Environment and Public Works as part of Assistant Administrator David Ross s response to questions for the record from Ranking Member Carper during the EPW

NORTH PENN - AREA 5 (Continued) **1000406384**

Committee s March 2019 hearing entitled Examining the federal response to the risks associated with per- and polyfluoroalkyl substances (PFAS).

Suspected Source: Not reported

Links:

Click Here for PFAS testing: Not reported

Click Here for Suspected Source:

Click Here for Federal/state/local Online Resources:

Click Here for Site-Specific References: Not reported

A1 **CONSTANTIA-COLMAR INC** **PA LUST** **1000132211**
SSW **92 COUNTY LINE RD** **PA ARCHIVE AST** **PAD061075529**
< 1/8 **COLMAR, PA 18915** **RCRA NonGen / NLR**
0.011 mi. **ICIS**
58 ft. **Site 1 of 6 in cluster A** **US AIRS**
FINDS
Relative: Higher **E MANIFEST**
PA AIRS
Actual: 286 ft. **RI MANIFEST**
NY MANIFEST
PA MANIFEST
NJ MANIFEST
PA NPDES

LUST:

Name:	CONSTANTIA COLMAR PLT
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915-9606
Region:	EP SE Rgnl Off Norristown
Municipality:	Montgomery Twp
Facility Id:	604312
Facility Type:	Underground Storage Tank Containing Petroleum
Facility Status:	**Cleanup Completed**
Status Date:	06/22/2009
Confirmed Date:	08/20/1992
Program Other Id:	46-21209
Client:	CONSTANTIA COLMAR LLC
Incident Id:	3627
Incident Desc:	STABILUS
Suspect Date:	Not reported
Source Of Notification:	OWNER
Release Discovered:	VISOD
Source Cause Of Release:	INFNP
Tank:	Not reported
Impact Desc:	Soil
Substance:	Other Organics
CAS RN:	Not reported
Chemical:	Not reported
Comments:	Not reported
Horizontal Ref Datum:	WGS84
Altitude Datum:	Not reported
Latitude:	40.273117
Longitude:	-75.242161

CONSTANTIA-COLMAR INC (Continued) **1000132211**

ARCHIVE AST:

Name:	CONSTANTIA COLMAR PLT
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915-9606
Facility ID:	46-21209
Site ID:	517908
Client ID:	Not reported
Municipality:	Montgomery Twp
Region Name:	Not reported
Owner ID:	Not reported
Owner Name:	CONSTANTIA COLMAR INC
Owner Phone:	Not reported
Owner Address:	92 COUNTY LINE RD
Owner Address 2:	Not reported
Owner City,St,Zip:	COLMAR, PA 18915-9606
Owner County Code:	Not reported
Resp Party Name:	CONSTANTIA COLMAR PLT
RP Address:	92 COUNTY LINE RD
RP Address 2:	Not reported
RP City,St,Zip:	COLMAR, PA 18915-9606
Regulated Exp Date:	Not reported
Tank ID:	686350
Tank Sequence #:	001A
Install Date:	05/30/1999
Status:	Not reported
Status Code End Date:	Not reported
Capacity:	8000
Substance:	HZSUB
Tank Substance End Date:	Not reported
Tank Code:	Not reported
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	253371
Chemical Name:	CONSTANTIA COLMAR LLC
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	RICHARD KLECKNER PLANT ENGINEER
Company:	Not reported
Tank ID:	686352
Tank Sequence #:	002A
Install Date:	05/30/1999
Status:	Not reported
Status Code End Date:	Not reported
Capacity:	6000
Substance:	HZSUB
Tank Substance End Date:	Not reported
Tank Code:	Not reported
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	253371
Chemical Name:	CONSTANTIA COLMAR LLC
Other Information Regarding The Tank Substance:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Undeliverable Address Ind.: N
Contact Name: RICHARD KLECKNER PLANT ENGINEER
Company: Not reported

Tank ID: 686353
Tank Sequence #: 003A
Install Date: 05/30/1999
Status: Not reported
Status Code End Date: Not reported
Capacity: 6000
Substance: HZSUB
Tank Substance End Date: Not reported
Tank Code: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 253371
Chemical Name: CONSTANTIA COLMAR LLC
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: RICHARD KLECKNER PLANT ENGINEER
Company: Not reported

RCRA Listings:
Date Form Received by Agency: 20210128
Handler Name: Constantia-Colmar Inc
Handler Address: 92 County Line Rd
Handler City,State,Zip: COLMAR, PA 18915-9606
EPA ID: PAD061075529
Contact Name: RICHARD KLECKNER
Contact Address: 1111 NORTHPOINT BLVD
Contact City,State,Zip: BLYTHEWOOD, SC 29016-8372
Contact Telephone: 267-718-9421
Contact Fax: Not reported
Contact Email: RICH.KLECKNER@CFLEX.COM
Contact Title: PROJ MGR
EPA Region: 03
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Pa
State District: 1
Mailing Address: 1111 NORTHPOINT BLVD
Mailing City,State,Zip: BLYTHEWOOD, SC 29016-8372
Owner Name: Constantia-Colmar Inc
Owner Type: Private
Operator Name: Constantia-Colmar Inc
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Not reported
Groundwater Controls Indicator:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220214
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D007
Waste Description: Chromium

Waste Code: D011
Waste Description: Silver

Waste Code: D035
Waste Description: Methyl Ethyl Ketone

Waste Code: D038
Waste Description: Pyridine

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private
Date Became Current: 20190101
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: H&N PACKAGING INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSTANTIA COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private
Date Became Current: 20190101
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915-9606
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: H&N PACKAGING INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSTANTIA COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: H&N PACKAGING INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: H&N PACKAGING INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: H&N PACKAGING INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: H & N PACKAGING CORP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: 215-997-6897
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: H & N PACKAGING CORP
Legal Status: Private
Date Became Current: 19990430
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: 215-997-6897
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: H&N PACKAGING CORP
Legal Status: Private
Date Became Current: 19990430
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: 215-997-6222
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: 92 COUNTY LINE RD
Owner/Operator City,State,Zip: COLMAR, PA 18915
Owner/Operator Telephone: 215-997-6222
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915-9606
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: CONSTANTIA COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: CONSTANTIA-COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915-9606
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: CONSTANTIA-COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	215-997-6222
Owner/Operator Telephone Ext:	124
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Owner/Operator Indicator:	Operator
Owner/Operator Name: OPERNAME	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Other
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: H&N PACKAGING INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSTANTIA - COLMAR, INC.
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSTANTIA COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSTANTIA-COLMAR INC
Legal Status: Private
Date Became Current: 19990801
Date Ended Current: Not reported
Owner/Operator Address: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: CONSTANTIA-COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	215-997-6222
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: CONSTANTIA-COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: CONSTANTIA COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: CONSTANTIA COLMAR INC	
Legal Status:	Private

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CONSTANTIA-COLMAR INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: H&N PACKAGING INC	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CONSTANTIA - COLMAR, INC.	
Legal Status:	Private
Date Became Current:	19990801
Date Ended Current:	Not reported
Owner/Operator Address:	92 COUNTY LINE RD
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Historic Generators:

Receive Date:	20100217
Handler Name: CONSTANTIA COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20120214
Handler Name: CONSTANTIA COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140228
Handler Name: CONSTANTIA-COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160226
Handler Name: CONSTANTIA-COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180316
Handler Name: CONSTANTIA-COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200323
Handler Name: CONSTANTIA-COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20070228
Handler Name: CONSTANTIA COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20071105
Handler Name: CONSTANTIA COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170705
Handler Name: CONSTANTIA-COLMAR INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19801119
Handler Name: H & N PACKAGING CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030730
Handler Name: H & N PACKAGING CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20061227
Handler Name: CONSTANTIA COLMAR INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080630
Handler Name: CONSTANTIA COLMAR INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20101012

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Handler Name: CONSTANTIA COLMAR INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20210128
Handler Name: CONSTANTIA-COLMAR INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900227
Handler Name: GAS SPRING COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920218
Handler Name: STABILUS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940225
Handler Name: STABILUS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19960301
Handler Name: STABILUS	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980219
Handler Name: STABILUS	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20010322
Handler Name: H & N PACKAGING COLMAR	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020212
Handler Name: H&N PACKAGING INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Electronic Manifest Broker: Not reported

Receive Date: 20040217
Handler Name: H&N PACKAGING INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060215
Handler Name: H&N PACKAGING INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080223
Handler Name: CONSTANTIA COLMAR INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 322221
NAICS Description: Coated And Laminated Packaging Paper Manufacturing

NAICS Code: 32311
NAICS Description: Printing

NAICS Code: 323111
NAICS Description: Commercial Gravure Printing

NAICS Code: 323112
NAICS Description: Commercial Flexographic Printing

NAICS Code: 332612
NAICS Description: Spring (Light Gauge) Manufacturing

CONSTANTIA-COLMAR INC (Continued) **1000132211**

NAICS Code: 332999
NAICS Description: All Other Miscellaneous Fabricated Metal Product Manufacturing

NAICS Code: 33991
NAICS Description: Jewelry And Silverware Manufacturing

NAICS Code: 42184
NAICS Description: Industrial Supplies Wholesalers

Has the Facility Received Notices of Violations:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20180628
Actual Return to Compliance Date:	20190320
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 20190222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: R319novrcra10
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SF
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20180628
Actual Return to Compliance Date: 20190320
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20190222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: R319novrcra10
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SF
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-General Facility Standards
Date Violation was Determined: 20180628
Actual Return to Compliance Date: 20190320
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20190222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: R319novrcra10
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SF
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20150212
Actual Return to Compliance Date: 20150212
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20110804
Actual Return to Compliance Date: 20110804
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 20110804
Actual Return to Compliance Date: 20110804
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20110804
Actual Return to Compliance Date: 20110804
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20110804
Actual Return to Compliance Date: 20110826
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Container Use and Management
Date Violation was Determined: 20110804
Actual Return to Compliance Date: 20110804
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20030708
Actual Return to Compliance Date: 20031027
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20030708
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: VERBAL INFORMAL
Enforcement Responsible Person: CJF
Enforcement Responsible Sub-Organization: WM
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050817
Actual Return to Compliance Date: 20050901
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050817
Actual Return to Compliance Date: 20050817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050817
Actual Return to Compliance Date: 20050901
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050817
Actual Return to Compliance Date: 20050817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050817
Actual Return to Compliance Date: 20050901
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050817
Actual Return to Compliance Date: 20050817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20031027
Actual Return to Compliance Date: 20031027
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20030708
Actual Return to Compliance Date: 20031027
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action:	20030708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	VERBAL INFORMAL
Enforcement Responsible Person:	CJF
Enforcement Responsible Sub-Organization:	WM
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19970212
Actual Return to Compliance Date: 19971016
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19970221
Actual Return to Compliance Date: 19971016
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19960117
Actual Return to Compliance Date: 19970212
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19960117
Actual Return to Compliance Date: 19960117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19950112
Actual Return to Compliance Date: 19950112
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19931027
Actual Return to Compliance Date: 19940615
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	19931027
Actual Return to Compliance Date:	19940614
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19930304
Actual Return to Compliance Date: 19930405
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19930304
Actual Return to Compliance Date: 19930405
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 19920109
Actual Return to Compliance Date: 19930304
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19920127
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 19920109
Actual Return to Compliance Date: 19930304
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 19920127
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Tank System Standards
Date Violation was Determined: 19910822
Actual Return to Compliance Date: 19920309
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19910912
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: RJI
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19910822
Actual Return to Compliance Date: 19920309
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19910912
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: RJI
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19910822
Actual Return to Compliance Date: 19920309
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 19910912
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: RJI
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19910822
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19910822
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 19890920
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 1500
Final Monetary Amount: 1500
Paid Amount: Not reported
Final Count: 1
Final Amount: 1500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19890509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890920
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 1500
Final Monetary Amount: 1500
Paid Amount: Not reported
Final Count: 1
Final Amount: 1500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19890509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19891031
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19891031
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19890509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19891031
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891006
Enforcement Identifier: 003

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 19890920
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 1500
Final Monetary Amount: 1500
Paid Amount: Not reported
Final Count: 1
Final Amount: 1500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19910822
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19890509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890920
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 1500
Final Monetary Amount: 1500
Paid Amount: Not reported
Final Count: 1
Final Amount: 1500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19890509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 19890103
Actual Return to Compliance Date: 19890509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890123
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19871109
Actual Return to Compliance Date: 19890103
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19871208
Enforcement Identifier: 001
Date of Enforcement Action: 19871124
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CAQ
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19871109
Actual Return to Compliance Date: 19890103
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Enforcement Action:	19871109
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20190426
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	JTL
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20180628
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	KMP
Evaluation Responsible Sub-Organization:	3EC00
Actual Return to Compliance Date:	20190320
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20180628

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	KMP
Evaluation Responsible Sub-Organization:	3EC00
Actual Return to Compliance Date:	20190320
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20180628
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	KMP
Evaluation Responsible Sub-Organization:	3EC00
Actual Return to Compliance Date:	20190320
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150212
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20150212
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140131
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120702
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110826
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20110804
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20110804
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20110804
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Former Citation:	Not reported
Evaluation Date:	20110804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20110826
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20110804
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090202
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080623
Evaluation Responsible Agency:	State
Found Violation:	No

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060718
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	WAB
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050901
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20031027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050817
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20050901
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050817
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20050817
Scheduled Compliance Date:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050817
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20050901
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050817
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20050817
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050817
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20050901
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050817
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ARH
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20050817
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Evaluation Date:	20031027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20031027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20030708
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20031027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19971016
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	VLK
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970430
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	VLK
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970212
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	VLK

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19971016
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970212
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	VLK
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19971016
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960117
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19970212
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960117
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19960117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950112
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19950112
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940615
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	WHM
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19940615
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19940614
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930304
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19930405
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930304
Evaluation Responsible Agency:	State

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CJF
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	19930405
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920309
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier:	RJI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930304
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930304
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	RJI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920309

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	RJI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920309
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	RJI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920309
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890509
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910822
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910822
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890509
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890509
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891031
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891031
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890509
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891031
Scheduled Compliance Date:	19891006
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910822
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890509
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890509
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890509
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890103
Scheduled Compliance Date:	19871208
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	CAQ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890103
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

ICIS:
Enforcement Action ID: PA000A0000E00000000333832
FRS ID: 110000841554
Action Name: Not reported
Facility Name: CONSTANTIA COLMAR/HATFIELD TWP
Facility Address: 92 COUNTY LINE RD
COLMAR, PA 18915-9606
Enforcement Action Type: Notice of Violation
Facility County: MONTGOMERY
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 40.274717
Longitude in Decimal Degrees: -75.244804
Permit Type Desc: Not reported
Program System Acronym: PA000541403
Facility NAICS Code: 323111
Tribal Land Code: Not reported

US AIRS (AFS):
Region Code: 03
County Code: PA091
Programmatic ID: AIR PA000541403
Facility Registry ID: 110000841554
D and B Number: Not reported
Facility Site Name: Constantia Colmar/Hatfield Twp
Primary SIC Code: 2759
NAICS Code: 323111
Default Air Classification Code: SMI
Facility Type of Ownership Code: COR
Air CMS Category Code: SMI
HPV Status: Not reported

US AIRS (AFS):
Region Code: 03
Programmatic ID: AIR PA000541403
Facility Registry ID: 110000841554
Air Operating Status Code: OPR
Default Air Classification Code: SMI

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-06-15 00:00:00
Activity Status Date: 2016-07-05 15:16:48
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-03-14 00:00:00
Activity Status Date: 2016-03-23 18:17:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-01-27 00:00:00
Activity Status Date: 2016-01-27 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-01-08 00:00:00
Activity Status Date: 2016-02-15 15:27:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-12-15 00:00:00
Activity Status Date: 2016-02-15 15:27:06
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-03-09 00:00:00
Activity Status Date: 2016-02-15 15:26:23
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-15 00:00:00
Activity Status Date: 2016-02-15 15:25:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-04 00:00:00
Activity Status Date: 2016-02-15 15:25:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-01 00:00:00
Activity Status Date: 2016-02-15 15:25:23
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-11 00:00:00
Activity Status Date: 2016-02-15 15:25:19
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Activity Date: 2014-02-27 00:00:00
Activity Status Date: 2016-02-15 15:25:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-10 00:00:00
Activity Status Date: 2016-02-15 15:24:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-20 00:00:00
Activity Status Date: 2016-02-15 15:24:33
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-20 00:00:00
Activity Status Date: 2016-02-15 15:25:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-09 00:00:00
Activity Status Date: 2016-02-15 15:22:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-29 00:00:00
Activity Status Date: 2016-02-15 15:22:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-26 00:00:00
Activity Status Date: 2016-02-15 15:22:06
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-25 00:00:00
Activity Status Date: 2016-02-15 15:21:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-25 00:00:00

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Activity Status Date: 2016-02-15 15:21:45
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-08 00:00:00
Activity Status Date: 2016-02-15 15:21:23
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-31 00:00:00
Activity Status Date: 2016-02-15 15:21:09
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-10 00:00:00
Activity Status Date: 2016-02-15 15:19:53
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-22 00:00:00
Activity Status Date: 2016-02-15 15:19:35
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-19 00:00:00
Activity Status Date: 2016-02-15 15:19:35
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-03 00:00:00
Activity Status Date: 2016-02-15 15:18:17
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-06 00:00:00
Activity Status Date: 2016-02-15 15:16:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-27 00:00:00
Activity Status Date: 2016-02-15 15:16:12

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-20 00:00:00
Activity Status Date: 2016-02-15 15:14:56
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-03-29 00:00:00
Activity Status Date: 2016-02-15 15:13:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-20 00:00:00
Activity Status Date: 2016-02-15 15:11:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-03 00:00:00
Activity Status Date: 2016-02-15 15:11:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-08-16 00:00:00
Activity Status Date: 2016-02-15 15:09:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-06 00:00:00
Activity Status Date: 2016-02-15 15:09:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-04-04 00:00:00
Activity Status Date: 2016-02-15 15:09:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-04-19 00:00:00
Activity Status Date: 2016-02-15 15:06:51
Activity Group: Compliance Monitoring

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-22 00:00:00
Activity Status Date: 2016-02-15 15:06:45
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-30 00:00:00
Activity Status Date: 2016-02-15 15:04:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-21 00:00:00
Activity Status Date: 2016-02-15 15:03:45
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-18 00:00:00
Activity Status Date: 2016-02-15 15:04:21
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-11-20 00:00:00
Activity Status Date: 2016-02-15 15:03:03
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-20 00:00:00
Activity Status Date: 2016-02-15 15:00:57
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-02-26 00:00:00
Activity Status Date: 2016-02-15 15:00:45
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-05-08 00:00:00
Activity Status Date: 2016-02-15 15:00:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-02-15 00:00:00
Activity Status Date: 2016-02-15 14:58:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-06-01 00:00:00
Activity Status Date: 2016-02-15 14:57:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-07 00:00:00
Activity Status Date: 2016-02-15 14:57:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

FINDS:
Registry ID: 110060032343

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.
Registry ID: 110060079356

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.
Registry ID: 110000841554

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.
The National Compliance Database (NCDB) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA).
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is

CONSTANTIA-COLMAR INC (Continued) **1000132211**

used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E MANIFEST:

Manifest Tracking Number:	021306003JJK
Last Updated Date:	20200203
Shipped Date:	20200128
Received Date:	20200129
Manifest Status:	Signed
Submission Type:	DataImage5Copy

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Univar Solutions Usa Inc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	021306417JJK
Last Updated Date:	20200408
Shipped Date:	20200331
Received Date:	20200401
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Designated Facility Name:	Univar Solutions Usa Inc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	017204485JJK
Last Updated Date:	20200303
Shipped Date:	20200109
Received Date:	20200128
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 92 COUNTY LINE ROAD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	92 County LIne Road
Generator Mail Street 2:	Not reported
Generator Mail City:	Colmar
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	IND000646943
Designated Facility Name:	Tradebe Treatment & Recycling Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	4343 KENNEDY AVE
Designated Facility Mail City:	EAST CHICAGO
Designated Facility Mail Zip:	46312
Designated Facility Mail State:	IN
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	4343 KENNEDY AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	EAST CHICAGO
Designated Facility Location Zip:	46312
Designated Facility Location State:	IN
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Manifest Tracking Number:	019430025JJK
Last Updated Date:	20190123
Shipped Date:	20190114
Received Date:	20190118
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Nexeo Solutions Llc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019430100JJK
Last Updated Date:	20190422
Shipped Date:	20190402
Received Date:	20190405
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Nexeo Solutions Llc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019430080JJK
Last Updated Date:	20190313
Shipped Date:	20190306
Received Date:	20190307
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Nexeo Solutions Llc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019430136JJK
Last Updated Date:	20190522
Shipped Date:	20190507
Received Date:	20190514
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Nexeo Solutions Llc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019430160JJK
Last Updated Date:	20190624
Shipped Date:	20190612
Received Date:	20190618
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Nexeo Solutions Llc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019430201JJK
Last Updated Date:	20190830
Shipped Date:	20190731
Received Date:	20190809
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Nexeo Solutions Llc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019430243JJK
Last Updated Date:	20190919
Shipped Date:	20190905
Received Date:	20190911
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Univar Solutions Usa Inc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019430271JJK
Last Updated Date:	20191014
Shipped Date:	20191009
Received Date:	20191011
Manifest Status:	Signed

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAD061075529
Generator Name:	Constantia Colmar
Generator Location Street Number:	92
Generator Location Street 1:	92 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	92
Generator Mail Street 1:	COUNTY LINE RD
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NYD049253719
Designated Facility Name:	Univar Solutions Usa Inc
Designated Facility Mail Street Number:	3
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	3 BROAD ST
Designated Facility Mail City:	BINGHAMTON
Designated Facility Mail Zip:	13904
Designated Facility Mail State:	NY
Designated Facility Location Street Number:	3
Designated Facility Location Street 1:	3 BROAD ST
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BINGHAMTON
Designated Facility Location Zip:	13904
Designated Facility Location State:	NY
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	019430275JJK
Transporter Line Number:	1
Transporter EPA ID:	TXR000084869
Transporter Name:	Nexeo Solutions

Waste Line:

Manifest Tracking Number:	019430275JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1993
U.S. DOT Description:	Un1993, Waste Flammable Liquid, N.O.S. (Ethyl Acetate, Ethanol), 3, Ii, Rq (F003), Erg 128
Non-Hazardous Waste Description:	Not reported
Number of Containers:	70
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	3834
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	15.988323

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	15.988323
Waste Quantity, in Kilograms:	14501.89
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	14501.89
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, F003, F005
Quantity Haz Kg:	14501.89
Quantity Haz Tons:	15.988323
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported

Manifest Tracking Number:	019430275JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1993
U.S. DOT Description:	Un1993, Waste Flammable Liquid, N.O.S. (Ethanol), 3, Ii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	2
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	108
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	0.45037532
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.45037532
Waste Quantity, in Kilograms:	408.50394
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	408.50394
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001
Quantity Haz Kg:	408.50394
Quantity Haz Tons:	0.45037532
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported

Click this hyperlink while viewing on your computer to access
8 additional US EManifest: record(s) in the EDR Site Report.

AIRS:

Name:	STABILUS/HATFIELD
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915-9606
Address 2:	Not reported
Primary Facility ID:	473888
Contact Name:	Not reported
Contact Phone:	Not reported
Contact Email:	Not reported
Status:	Inactive
Region:	Not reported
Site ID:	448130
Client ID:	51515
Client Name:	STABILUS
NAICS Code:	332810
Client Address:	92 COUNTY LINE RD
Client Address 2:	Not reported
Client City:	COLMAR
Client State:	PA
Client Zip:	18915-9606
Client Type:	NON-GOVERNMENT
NAICS Description:	Coating, Engraving, Heat Treating, and Allied Activities
Permit Number:	Not reported
Municipality:	Hatfield Twp
Authorization ID:	Not reported
Authorization Type:	Not reported
Application Type:	Not reported
Received Date:	Not reported
Issued Date:	Not reported
Expiration Date:	Not reported
Latitude:	40.521407
Longitude:	-75.250386

EMI:

Facid:	473888
Facility Name:	Not reported
Year:	2017
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2009
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2000
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1999
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2014
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1998
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	.8
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2010
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2012
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2015
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2011
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2008
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1997
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	11.2
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1994
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	25.4
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Facid:	473888
Facility Name:	Not reported
Year:	1990
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	22.8
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386

Facid:	473888
Facility Name:	Not reported
Year:	2002
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386

Facid:	473888
Facility Name:	Not reported
Year:	2001

CONSTANTIA-COLMAR INC (Continued) **1000132211**

PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1995
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	40.3
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2016
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386

Facid:	473888
Facility Name:	Not reported
Year:	2007
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386

Facid:	473888
Facility Name:	Not reported
Year:	2006
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2005
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1993
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	26.5
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1992
PM10:	.0
PM25:	Not reported
NOX:	.0
SOX:	.0
VOC:	22.8
CO:	.0
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2013
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2004
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	2003
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1996
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	17.2
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386
Facid:	473888
Facility Name:	Not reported
Year:	1991
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	22.8
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.521407
Longitude:	-75.250386

RI MANIFEST:

Name:	STABILUS
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
EPA Id:	PAD061075529
GEN Cert Date:	8/16/1991
Manifest Document Number:	NJA1042451
Waste Description:	PAINT
TSDF Id:	NJD980536593
TSDF Name:	AETC
Qty:	3840
WT/Vol Units:	P
TSDF Date:	Not reported
Transporter 2 Id:	Not reported
Item Number:	1
Transporter 2 Name:	Not reported
Transporter Name 2:	ETC
Transporter EPAID:	NJD991291584
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D001
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Fee Exempt Code:	Not reported
Comment:	Not reported
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
Quarter:	Not reported
Transporter Contact Name:	Not reported
Transporter Contact Email:	Not reported
Filing Date:	Not reported
Total Fee:	Not reported
Billing Name:	Not reported
Paid Date:	Not reported
Paid Time:	Not reported
Facility Receipt Date:	Not reported
Fee:	Not reported
Manifest Created Date:	Not reported
Manifest Updated Date:	Not reported

RI MANIFEST:

Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D001

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	AETC
TSDF Id:	NJD980536593
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	PAD061075529
Manifest Docket Number:	NJA1042451
Quarter:	Not reported
Waste Description:	PAINT
Transporter Contact Name:	Not reported
Quantity:	3840
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	ETC
Billing Name:	Not reported
Transporter EPA ID:	NJD991291584
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/16/1991
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D007
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	AETC
TSDF Id:	NJD980536593
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	PAD061075529
Manifest Docket Number:	NJA1042451
Quarter:	Not reported
Waste Description:	PAINT ASH

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Transporter Contact Name:	Not reported
Quantity:	4000
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	2
Transporter Name:	ETC
Billing Name:	Not reported
Transporter EPA ID:	NJD991291584
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/16/1991
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D001
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	AETC
TSDF Id:	NJD980536593
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	PAD061075529
Manifest Docket Number:	NJA1042451
Quarter:	Not reported
Waste Description:	PAINT
Transporter Contact Name:	Not reported
Quantity:	3840
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	ETC
Billing Name:	Not reported
Transporter EPA ID:	NJD991291584
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/16/1991
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Manifest Created Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D007
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	AETC
TSDF Id:	NJD980536593
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	PAD061075529
Manifest Docket Number:	NJA1042451
Quarter:	Not reported
Waste Description:	PAINT ASH
Transporter Contact Name:	Not reported
Quantity:	4000
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	2
Transporter Name:	ETC
Billing Name:	Not reported
Transporter EPA ID:	NJD991291584
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/16/1991
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

NY MANIFEST:

EPA ID:	PAD061075529
Country:	USA
Name:	H & N Packaging Co
Address:	92 COUNTY LINE RD
Address 2:	Not reported
City,State,Zip:	COLMAR, PA 18915
Zip 4:	Not reported
Location Address 1:	92 COUNTY LINE ROAD
Location Address 2:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Location City,State,Zip: COLMAR, PA 18915
Location Zip 4: Not reported
Facility Status: Not reported
Total Tanks: Not reported
Code: BP

Mailing:
Mailing Name: H & N Packaging Co
Mailing Contact: Edward L Bagrosky
Mailing Address 1: 92 COUNTY LINE ROAD
Mailing Address 2: Not reported
Mailing City,State,Zip: COLMAR, PA 18915
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9083819229

Manifest Data:
Document ID: NYB7263162
Manifest Status: Not reported
Trans1 State ID: 31047FNY
Year: 1996
Trans2 State ID: Not reported
Generator Ship Date: 05/14/1996
Trans1 Recv Date: 05/14/1996
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/14/1996
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: PAD061075529
Trans1 EPA ID: NYD057770109
Trans2 EPA ID: Not reported
TSDF ID 1: NYD057770109
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code 1: Ignitable Waste
Waste Code 2: Not reported
Waste Code 3: Not reported
Waste Code 4: Not reported
Waste Code 5: Not reported
Waste Code 6: Not reported
Quantity: 03783
Units: Pounds
Number of Containers: 007
Container Type: Metal drums, barrels, kegs
Handling Method: Burn
Specific Gravity: 01.00

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Waste Code 7:	Chromium
Waste Code 8:	Not reported
Waste Code:	Not reported
Waste Code 10:	Not reported
Waste Code 11:	Not reported
Quantity:	10000
Units:	Pounds
Number of Containers:	020
Container Type:	Fiber or plastic boxes, cartons, cases
Handling Method:	Landfill
Specific Gravity:	01.00
Waste Code 12:	Chromium
Waste Code 13:	Not reported
Waste Code 14:	Not reported
Waste Code 15:	Not reported
Waste Code 16:	Not reported
Quantity:	06497
Units:	Pounds
Number of Containers:	013
Container Type:	Metal drums, barrels, kegs
Handling Method:	Landfill
Specific Gravity:	01.00
Waste Code 17:	Chromium
Waste Code 18:	Not reported
Waste Code 19:	Not reported
Waste Code 20:	Not reported
Waste Code 21:	Not reported
Quantity:	00162
Units:	Pounds
Number of Containers:	001
Container Type:	Metal drums, barrels, kegs
Handling Method:	Landfill
Specific Gravity:	01.00

Document ID:	NYG3684735
Manifest Status:	Not reported
Trans1 State ID:	Not reported
Year:	2004
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2004
Trans1 Recv Date:	10/19/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/21/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code 1:	Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	00600
Units:	Pounds
Number of Containers:	001
Container Type:	Metal drums, barrels, kegs
Handling Method:	Burn
Specific Gravity:	01.00

Document ID:	NYH3684735
Manifest Status:	Not reported
Trans1 State ID:	2450B7NY
Year:	2004
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2004
Trans1 Recv Date:	10/19/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/21/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code 1:	Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	00600
Units:	Pounds
Number of Containers:	001
Container Type:	Metal drums, barrels, kegs
Handling Method:	Burn

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Specific Gravity:	01.00
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	11/15/2017
Trans1 Recv Date:	11/15/2017
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/20/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	017118005JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Quantity:	1728
Units:	Gallons (liquids only)
Number of Containers:	32
Container Type:	Metal drums, barrels, kegs
Handling Method:	Landfill
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	08/17/2011
Trans1 Recv Date:	08/17/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/18/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	004983802FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	1404
Units:	Gallons (liquids only)
Number of Containers:	26
Container Type:	Metal drums, barrels, kegs
Handling Method:	Burn
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	08/17/2011
Trans1 Recv Date:	08/17/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/18/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	004983802FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of

CONSTANTIA-COLMAR INC (Continued) **1000132211**

	These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	54
Units:	Gallons (liquids only)
Number of Containers:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Handling Method:	Burn
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2018
Trans1 Recv Date:	01/24/2018
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/26/2018
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	017118109JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	1782
Units:	Gallons (liquids only)
Number of Containers:	33
Container Type:	Metal drums, barrels, kegs
Handling Method:	Landfill
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHD042311209
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	10/22/2010
Trans1 Recv Date:	10/22/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/26/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	003570501FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated

CONSTANTIA-COLMAR INC (Continued) **1000132211**

	Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	918
Units:	Gallons (liquids only)
Number of Containers:	17
Container Type:	Metal drums, barrels, kegs
Handling Method:	Burn
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	02/21/2012
Trans1 Recv Date:	02/21/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/06/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	005172332FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl

CONSTANTIA-COLMAR INC (Continued) **1000132211**

	Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	918
Units:	Gallons (liquids only)
Number of Containers:	18
Container Type:	Metal drums, barrels, kegs
Handling Method:	Burn
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	01/18/2017
Trans1 Recv Date:	01/18/2017
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/23/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	016851563JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	954
Units:	Gallons (liquids only)
Number of Containers:	18
Container Type:	Metal drums, barrels, kegs
Handling Method:	Landfill
Specific Gravity:	1
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	OHR000162800
Year:	2018
Trans2 State ID:	Not reported
Generator Ship Date:	11/30/2011
Trans1 Recv Date:	11/30/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/02/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	PAD061075529
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049253719
TSDF ID 2:	Not reported
Manifest Tracking Number:	005109685FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code a:	Ignitable Waste
Waste Code b:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code c:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code e:	Not reported
Waste Code f:	Not reported
Waste Code g:	Not reported
Waste Code 1:	Not reported
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	378
Units:	Gallons (liquids only)
Number of Containers:	7
Container Type:	Metal drums, barrels, kegs
Handling Method:	Burn
Specific Gravity:	1

Click this hyperlink while viewing on your computer to access
17 additional NY MANIFEST: record(s) in the EDR Site Report.

PA MANIFEST:

Name:	H & N PACKAGING
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
Year:	2010
Manifest Number:	003030542FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	03/19/2010
Mailing Address:	Not reported
Contact Name:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	6
Container Type:	DM
Waste Quantity:	324
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003030542FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	03/19/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	6
Container Type:	DM
Waste Quantity:	324
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003030542FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	03/19/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN

CONSTANTIA-COLMAR INC (Continued) **1000132211**

TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	6
Container Type:	DM
Waste Quantity:	324
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003030542FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	03/19/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	2
Container Type:	DM
Waste Quantity:	94
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003176165FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/26/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Waste Number:	D001
Container Number:	1
Container Type:	DM
Waste Quantity:	54
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003176166FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/26/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NYD049253719
TSD Date:	Not reported
TSD Facility Name:	NEXEO SOLUTIONS
TSD Facility Address:	3 BROAD ST
TSD Facility City:	BINGHAMTON
TSD Facility State:	NY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	15
Container Type:	DM
Waste Quantity:	810
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003176166FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/26/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NYD049253719
TSD Date:	Not reported
TSD Facility Name:	NEXEO SOLUTIONS
TSD Facility Address:	3 BROAD ST
TSD Facility City:	BINGHAMTON
TSD Facility State:	NY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	15
Container Type:	DM
Waste Quantity:	810
Unit:	G

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003176166FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/26/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NYD049253719
TSD Date:	Not reported
TSD Facility Name:	NEXEO SOLUTIONS
TSD Facility Address:	3 BROAD ST
TSD Facility City:	BINGHAMTON
TSD Facility State:	NY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	15
Container Type:	DM
Waste Quantity:	810
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003529007FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	05/21/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	11
Container Type:	DM
Waste Quantity:	594
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Manifest Number:	003529007FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	05/21/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	11
Container Type:	DM
Waste Quantity:	594
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003529007FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	05/21/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	NJD002454544
TSD Date:	Not reported
TSD Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSD Facility Address:	125 FACTORY LN
TSD Facility City:	MIDDLESEX
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	11
Container Type:	DM
Waste Quantity:	594
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

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201 additional PA MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

EPA ID:	PAD061075529
Name:	GAS SPRING CORP

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
County:	Not reported
Mailing Address:	92 COUNTY LINE RD
Mailing City,State,Zip:	COLMAR 18915
Telephone:	Not reported
Emergency Telephone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPAID:	Not reported
Generator Flag:	X
Transporter Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest Data:

EPA ID:	PAD061075529
Manifest Number:	002909560FLE
Date Shipped:	09/14/2009
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHD042311209
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/14/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/15/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	108
Unit:	G

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	2862
Unit:	G

EPA ID:	PAD061075529
Manifest Number:	002106451FLE
Date Shipped:	07/14/2008
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHD042311209
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/14/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/14/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	3618
Unit:	G

EPA ID:	PAD061075529
Manifest Number:	NJA5030632
Date Shipped:	06/01/2004
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD049253719
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/01/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/01/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06140421
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

EPA ID:	PAD061075529
Manifest Number:	003529007FLE
Date Shipped:	05/21/2010
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHD042311209
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/21/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/25/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	594
Unit:	G

EPA ID:	PAD061075529
Manifest Number:	015454045JJK
Date Shipped:	1/14/2016
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHR000162800
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

EPA ID:	PAD061075529
Manifest Number:	002988727FLE
Date Shipped:	07/20/2009
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHD042311209
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/20/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/21/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	108
Unit:	G

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	1654
Unit:	G

EPA ID:	PAD061075529
Manifest Number:	NJA5030577
Date Shipped:	01/26/2005
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD049253719
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/26/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/26/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Manifest Discrepancy Type:	Not reported
Data Entry Number:	03040521
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported
EPA ID:	PAD061075529
Manifest Number:	002694400FLE
Date Shipped:	03/16/2009
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHD042311209
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/16/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/16/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	1620
Unit:	G

EPA ID:	PAD061075529
Manifest Number:	NJA5277643
Date Shipped:	05/22/2006
TSDF EPA ID:	NJD002454544

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Transporter EPA ID:	NYD049253719
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/22/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/23/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	07130621
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

EPA ID:	PAD061075529
Manifest Number:	NJA5030533
Date Shipped:	08/16/2004
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD049253719
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/16/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/16/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	09130425
Was Load Rejected:	N
Reason Load Was Rejected:	Not reported

EPA ID:	PAD061075529
Manifest Number:	001783865FLE
Date Shipped:	02/21/2008
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	OHD042311209
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/21/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/26/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

CONSTANTIA-COLMAR INC (Continued) **1000132211**

Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: N
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D001
Hand Code: H061
Quantity: 1620
Unit: G

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NPDES:
Name: NORTH PENN 5 OU 2 TERRAPHASE
Address: 92 COUNTY LINE RD
City,State,Zip: COLMAR, PA 18915-9606
Facility ID: 877554
Permit Number: 4624204
Permit Name: TERRAPHASE ENG INC
Effective Date: 08/13/2024
Expiration Date: 02/09/2025
Receiving Waters: Not reported
Current Major Minor Status: MINOR
Total App. Design Flow (MGD): Not reported
Cognizant Official: SCOTT RENNEISEN
Cognizant Official Telephone: (215) 297-3502
Permit Street Address: 252 W SWAMP RD, SUITE 35
Permit City/State/Zip: DOYLESTOWN, PA 18901-2422
Municipality: Montgomery Twp
Client ID: 387474
Joint Permittee: No
Facility Kind: Industrial Waste
Fee Category: Not reported
Status: Active
Region: SERO
Latest Permit Issuance Date: 08/13/2024
Primary SIC Code: Not reported
Additional SIC Code: Not reported
Contact: SCOTT RENNEISEN
Contact Telephone: (215) 297-3502
Contact Email: scott.renneisen@terraphase.com

A2 **CONSTANTIA COLMAR INC** **PA MANIFEST S116737075**
SSW **92 COUNTY LINE RD** **PA NPDES N/A**
< 1/8 **COLMAR, PA 18915**
0.011 mi.
58 ft. **Site 2 of 6 in cluster A**

Relative:
Higher

Actual:
286 ft.

PA MANIFEST:
Name: CONSTANTIA COLMAR INC
Address: 92 COUNTY LINE RD
City,State,Zip: COLMAR, PA 18915
Year: 2013

CONSTANTIA COLMAR INC (Continued) **S116737075**

Manifest Number:	006163196FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	09/26/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	46
Container Type:	DM
Waste Quantity:	2484
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported

Year:	2013
Manifest Number:	006163196FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	09/26/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	46
Container Type:	DM
Waste Quantity:	2484
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported

Year:	2013
Manifest Number:	006163196FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	09/26/2013
Mailing Address:	Not reported

CONSTANTIA COLMAR INC (Continued) **S116737075**

Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	46
Container Type:	DM
Waste Quantity:	2484
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006757684FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/21/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	5
Container Type:	DM
Waste Quantity:	2912
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006757684FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/21/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc

CONSTANTIA COLMAR INC (Continued) **S116737075**

TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	5
Container Type:	DM
Waste Quantity:	2912
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006757684FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	08/21/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	5
Container Type:	DM
Waste Quantity:	2912
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006808081FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	07/08/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Veolia ES Technical Solutions
TSD Facility Address:	125 Factory Ln
TSD Facility City:	Middlesex
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1

CONSTANTIA COLMAR INC (Continued) **S116737075**

Line Number:	1
Waste Number:	D001
Container Number:	2
Container Type:	DM
Waste Quantity:	108
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	NJD002454544
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006808082FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	07/08/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	23
Container Type:	DM
Waste Quantity:	1242
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006808082FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	07/08/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	23
Container Type:	DM
Waste Quantity:	1242

CONSTANTIA COLMAR INC (Continued) **S116737075**

Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006808082FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	07/08/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	America Environmental Services Inc
TSD Facility Address:	1689 Shar Cal Rd
TSD Facility City:	Calvert City
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	23
Container Type:	DM
Waste Quantity:	1242
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	KYD985073196
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006809382FLE
Manifest Type:	T
Generator EPA ID:	PAD061075529
Generator Date:	07/30/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-997-6222
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Veolia ES Technical Solutions
TSD Facility Address:	125 Factory Ln
TSD Facility City:	Middlesex
TSD Facility State:	NJ
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	1
Container Type:	DM
Waste Quantity:	54
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	NJD002454544
Date TSP Sig:	Not reported

CONSTANTIA COLMAR INC (Continued) **S116737075**

Click this hyperlink while viewing on your computer to access
176 additional PA MANIFEST: record(s) in the EDR Site Report.

NPDES:

Name:	NORTH PENN 5 OU2
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915-9606
Facility ID:	862319
Permit Number:	4622408
Permit Name:	HYDROGEOLOGIC INC
Effective Date:	11/17/2022
Expiration Date:	05/16/2023
Receiving Waters:	Not reported
Current Major Minor Status:	MINOR
Total App. Design Flow (MGD):	Not reported
Cognizant Official:	MISTY KAUFFMAN
Cognizant Official Telephone:	(215) 432-9750
Permit Street Address:	11107 SUNSET HILLS RD
Permit City/State/Zip:	RESTON, VA 20190-5375
Municipality:	Montgomery Twp
Client ID:	373632
Joint Permittee:	No
Facility Kind:	Industrial Waste
Fee Category:	Not reported
Status:	Active
Region:	SERO
Latest Permit Issuance Date:	11/17/2022
Primary SIC Code:	4959
Additional SIC Code:	Not reported
Contact:	MISTY KAUFFMAN
Contact Telephone:	(215) 432-9750
Contact Email:	mkauffman@hgl.com

A3 **CONSTANTIA COLMAR PLT** **UST FINDER** **1028656499**
SSW **92 COUNTY LINE RD** **UST FINDER RELEASE** **N/A**
< 1/8 **COLMAR, PA**
0.011 mi.
58 ft. **Site 3 of 6 in cluster A**

Relative:
Higher

Actual:
286 ft.

UST FINDER:

Object ID:	367536
Facility ID:	PA517908
Name:	CONSTANTIA COLMAR PLT
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA
Address Match Type:	StreetAddressExt
Open USTs:	0
Closed USTs:	2
TOS USTs:	0
Population 1500ft:	Not reported
Private Wells 1500ft:	Not reported
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	Not reported
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported

CONSTANTIA COLMAR PLT (Continued) **1028656499**

SPA HUC12:	Not reported
Within WHPA:	Not reported
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	3
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-75.24355486
Y Coord:	40.27455202
Latitude:	40.27455202
Longitude:	-75.24355486

UST FINDER:

Object ID:	1585429
Facility ID:	PA517908
Tank ID:	PA686349 - 001
Tank Status:	Closed
Installation Date:	1981/02/01 16:00:00+00
Removal Date:	1998/10/09 15:59:59+00
Tank Capacity:	2500
Substances:	Other
Tank Wall Type:	Not reported

Object ID:	1586241
Facility ID:	PA517908
Tank ID:	PA686351 - 002
Tank Status:	Closed
Installation Date:	1981/02/01 16:00:00+00
Removal Date:	1998/10/20 15:59:59+00
Tank Capacity:	2500
Substances:	Other
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	351590
Facility ID:	PA604312
Lust ID:	PA3627
Name:	CONSTANTIA COLMAR PLT
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 0
Address Match Type:	Not reported
Reported Date:	1992/08/20 15:59:59+00
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	95
Domestic Wells within 1500ft:	3
Land Use:	Developed, Low Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported

CONSTANTIA COLMAR PLT (Continued) **1028656499**

Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	3
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	State
X Coord:	-75.24216
Y Coord:	40.2731200000001
Latitude:	40.2731199999999
Longitude:	-75.2421599999999

A4 **CONSTANTIA COLMAR/HATFIELD TWP** **PFAS ECHO** **1027345024**
SSW **92 COUNTY LINE RD** **N/A**
< 1/8 **COLMAR, PA 18915**
0.011 mi.
58 ft. **Site 4 of 6 in cluster A**

Relative:
Higher

Actual:
286 ft.

PFAS ECHO:

Facility ID:	110000841554
Name:	Constantia Colmar/Hatfield Twp
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
Latitude:	40.2737
Longitude:	-75.24194
Count:	1
County:	MONTGOMERY
Status:	Inactive
Region:	03
Industry:	Printing

ECHO Facility Report:

Facility Percent Minority:	20.847
Facility Derived Tribes:	-
Facility Population:	1890.52
EPA Programs:	CAA; RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	42091
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	02040201
Facility Derived WBD:	020402010202
Facility Derived CD113:	13
Facility Derived CB2010:	420171020032011
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	1/24/2020
Facility Days Last Inspection:	1,884
Facility Informal Count:	0

CONSTANTIA COLMAR/HATFIELD TWP (Continued) **1027345024**

Facility Date Last Informal Action:	11/5/2019
Facility Formal Action Count:	0
Facility Date Last Formal Action:	6/18/2019
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	6/18/2019
Facility Last Penalty AMT:	1,300
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	PA000541403
CAA Permit Types:	Synthetic Minor Emissions
CAA NAICS:	323111
CAA SICS:	2759
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	PAD061075529
RCRA Permit Types:	Other
RCRA NAICS:	323111
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	18915HNPCK92CUN
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-

Facility ID:	110000841554
Name:	Constantia Colmar/Hatfield Twp
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
Latitude:	40.2737
Longitude:	-75.24194
Count:	1
County:	MONTGOMERY
Status:	Inactive
Region:	03
Industry:	Paper Mills and Products

ECHO Facility Report:

Facility Percent Minority:	20.847
Facility Derived Tribes:	-
Facility Population:	1890.52
EPA Programs:	CAA; RCRA
Federal Facility:	No

CONSTANTIA COLMAR/HATFIELD TWP (Continued) **1027345024**

Federal Agency:	-
Facility FIPS Code:	42091
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	02040201
Facility Derived WBD:	020402010202
Facility Derived CD113:	13
Facility Derived CB2010:	420171020032011
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	1/24/2020
Facility Days Last Inspection:	1,884
Facility Informal Count:	0
Facility Date Last Informal Action:	11/5/2019
Facility Formal Action Count:	0
Facility Date Last Formal Action:	6/18/2019
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	6/18/2019
Facility Last Penalty AMT:	1,300
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	PA000541403
CAA Permit Types:	Synthetic Minor Emissions
CAA NAICS:	323111
CAA SICS:	2759
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	PAD061075529
RCRA Permit Types:	Other
RCRA NAICS:	323111
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	18915HNPCK92CUN
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-

A5 **WAREHOUSE** **PA ARCHIVE UST** **S119704008**
SSW **92 COUNTY LINE RD** **PA ASBESTOS** **N/A**
< 1/8 **COLMAR, PA 18915**
0.011 mi.
58 ft. **Site 5 of 6 in cluster A**

Relative:
Higher

Actual:
286 ft.

ARCHIVE UST:

Name:	CONSTANTIA COLMAR PLT
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915-9606
Facility Id:	46-21209
Site ID:	517908
Municipality:	Montgomery Twp
Client Date:	Not reported
Owner Id:	Not reported
Owner Name:	CONSTANTIA COLMAR INC
Owner Address:	92 COUNTY LINE RD
Owner Address 2:	Not reported
Owner City,St,Zip:	COLMAR, PA 18915-9606
Owner Phone:	Not reported
Owner County Code:	Not reported
Resp Party Name:	CONSTANTIA COLMAR LLC
RP Address:	92 COUNTY LINE RD
RP Address 2:	Not reported
RP City,St,Zip:	COLMAR, PA 18915-9606
Region Code Name:	Not reported
Regulated Expire Date:	Not reported

Tank Sequence #:	001
Tank Id:	686349
Status:	Removed
Status Code End Date:	Not reported
Capacity:	2500
Substance:	CONSTANTIA COLMAR PLT
Tank Substance End Date:	Not reported
Install Date:	02/01/1981
Tank Code:	UST
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	253371
Chemical Name:	RICHARD KLECKNER PLANT ENGINEER
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	Not reported
Company:	Not reported

Tank Sequence #:	002
Tank Id:	686351
Status:	Removed
Status Code End Date:	Not reported
Capacity:	2500
Substance:	CONSTANTIA COLMAR PLT
Tank Substance End Date:	Not reported
Install Date:	02/01/1981
Tank Code:	UST
Inspection Code:	Not reported
Last Inspection:	Not reported

WAREHOUSE (Continued) **S119704008**

Substance Type:	Not reported
CASRN for Hazardous Substances:	253371
Chemical Name:	RICHARD KLECKNER PLANT ENGINEER
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	Not reported
Company:	Not reported

ASBESTOS:

Name:	WAREHOUSE
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
Project ID:	22075
Address:	Not reported
Project ID 2:	Not reported
Facility Type:	Not reported
Facility Type Code:	Not reported
Contractor Company:	Not reported
Contractor Address:	Not reported
Contractor Address 2:	Not reported
Contractor City State Zip:	Not reported
Contractor:	Not reported
Contractor Telephone:	Not reported
Owner Company:	92 COUNTY LINE ROAD ASSOCIATES, LLC
Owner Address:	100 FRONT STREET, SUITE 560
Owner Address 2:	Not reported
Owner City State Zip:	WEST CONSHOHOCKEN PA 19428
Owner:	Office
Owner Telephone:	(610)-825-1653
Start Date:	Not reported
End Date:	Not reported
ASB Amount:	Not reported
ASB Unit:	Not reported
ASB Amount 2:	Not reported
ASB Unit 2:	Not reported
ASB Amount 3:	Not reported
ASB Unit 2:	Not reported
ASB Amount 4:	Not reported
ASB Unit 4:	Not reported
ASB Amount 5:	Not reported
ASB Unit 5:	Not reported
ASB Amount 6:	Not reported
ASB Unit 6:	Not reported
Abatement:	True
Demolition:	Not reported
Order Demolition:	Not reported
Renovation:	Not reported
Emergency Renovation:	Not reported

Name:	WAREHOUSE
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
Project ID:	22075
Address:	Not reported
Project ID 2:	Not reported
Facility Type:	Not reported
Facility Type Code:	Not reported

WAREHOUSE (Continued) **S119704008**

Contractor Company:	Not reported
Contractor Address:	Not reported
Contractor Address 2:	Not reported
Contractor City State Zip:	Not reported
Contractor:	Not reported
Contractor Telephone:	Not reported
Owner Company:	92 COUNTY LINE ROAD ASSOCIATES, LLC
Owner Address:	100 FRONT STREET, SUITE 560
Owner Address 2:	Not reported
Owner City State Zip:	WEST CONSHOHOCKEN PA 19428
Owner:	Office
Owner Telephone:	(610)-825-1653
Start Date:	Not reported
End Date:	Not reported
ASB Amount:	Not reported
ASB Unit:	Not reported
ASB Amount 2:	Not reported
ASB Unit 2:	Not reported
ASB Amount 3:	Not reported
ASB Unit 2:	Not reported
ASB Amount 4:	Not reported
ASB Unit 4:	Not reported
ASB Amount 5:	Not reported
ASB Unit 5:	Not reported
ASB Amount 6:	Not reported
ASB Unit 6:	Not reported
Abatement:	True
Demolition:	True
Order Demolition:	Not reported
Renovation:	Not reported
Emergency Renovation:	Not reported

Name:	WAREHOUSE
Address:	92 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915
Project ID:	22075
Address:	Not reported
Project ID 2:	Not reported
Facility Type:	Not reported
Facility Type Code:	Not reported
Contractor Company:	Not reported
Contractor Address:	Not reported
Contractor Address 2:	Not reported
Contractor City State Zip:	Not reported
Contractor:	Not reported
Contractor Telephone:	Not reported
Owner Company:	92 COUNTY LINE ROAD ASSOCIATES, LLC
Owner Address:	100 FRONT STREET, SUITE 560
Owner Address 2:	Not reported
Owner City State Zip:	WEST CONSHOHOCKEN PA 19428
Owner:	Office
Owner Telephone:	(610)-825-1653
Start Date:	Not reported
End Date:	Not reported
ASB Amount:	Not reported
ASB Unit:	Not reported
ASB Amount 2:	Not reported

WAREHOUSE (Continued) **S119704008**

ASB Unit 2:	Not reported
ASB Amount 3:	Not reported
ASB Unit 2:	Not reported
ASB Amount 4:	Not reported
ASB Unit 4:	Not reported
ASB Amount 5:	Not reported
ASB Unit 5:	Not reported
ASB Amount 6:	Not reported
ASB Unit 6:	Not reported
Abatement:	True
Demolition:	True
Order Demolition:	Not reported
Renovation:	Not reported
Emergency Renovation:	Not reported

A6 **MALCO UNI STAR INDS** **RCRA NonGen / NLR** **1000369002**
SSW **94 COUNTY LINE RD** **FINDS** **PAD096835194**
< 1/8 **COLMAR, PA 18915** **ECHO**
0.011 mi.
58 ft. **Site 6 of 6 in cluster A**

Relative: **Higher**

Actual: **286 ft.**

RCRA Listings:

Date Form Received by Agency:	20180620
Handler Name:	Malco Uni Star Inds
Handler Address:	94 County Line Rd
Handler City,State,Zip:	COLMAR, PA 18915-9606
EPA ID:	PAD096835194
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Pa
State District:	1
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name: Not reported	
Owner Type:	Not reported
Operator Name: Not reported	
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

MALCO UNI STAR INDS (Continued) **1000369002**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180702
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D039
Waste Description:	Tetrachloroethylene
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F005
Waste Description:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl

MALCO UNI STAR INDS (Continued) **1000369002**

Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CASTLEMAN NEAL ALPHA TECHNOLOG	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	333 CYPRESS RUN STE 360
Owner/Operator City,State,Zip:	HOUSTON, TX 77094
Owner/Operator Telephone:	713-647-9941
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: OPERNAME	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20070503
Handler Name: MALCO UNI STAR INDS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20180620
Handler Name: MALCO UNI STAR INDS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

MALCO UNI STAR INDS (Continued) **1000369002**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900129
Handler Name: MALCO UNI STAR INDS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

MALCO UNI STAR INDS (Continued) **1000369002**

Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20070430
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	SBM
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060411
Evaluation Responsible Agency:	State
Found Violation:	No

MALCO UNI STAR INDS (Continued) **1000369002**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	JAV
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110001051110

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000369002
Registry ID:	110001051110

DFR URL:

Name:	MALCO UNI STAR INDS
Address:	94 COUNTY LINE RD
City,State,Zip:	COLMAR, PA 18915

7
South
< 1/8
0.053 mi.
278 ft.

KEMA POWERTEST LLC **FINDS** **1016887009**
4379 COUNTY LINE RD **E MANIFEST** **N/A**
CHALFONT, PA 18914

Relative:
Higher

Actual:
294 ft.

FINDS:
Registry ID: 110060022283

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

KEMA POWERTEST LLC (Continued) **1016887009**

E MANIFEST:

Manifest Tracking Number:	015904658FLE
Last Updated Date:	20210517
Shipped Date:	20210405
Received Date:	20210424
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CESQG
Generator Name:	Kema Powertest Llc
Generator Location Street Number:	Not reported
Generator Location Street 1:	4379 COUNTY LINE RD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	4379 County Line Rd
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Kema Powertest LLC
Designated Facility EPA ID:	ARD069748192
Designated Facility Name:	Clean Harbors El Dorado Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	309 American Circle
Designated Facility Mail City:	El Dorado
Designated Facility Mail Zip:	71730
Designated Facility Mail State:	AR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	309 American Circle
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	El Dorado
Designated Facility Location Zip:	71730
Designated Facility Location State:	AR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	015904658FLE
Transporter Line Number:	1
Transporter EPA ID:	MAD039322250
Transporter Name:	Clean Harbors Environmental Services, Inc.
Manifest Tracking Number:	015904658FLE
Transporter Line Number:	2
Transporter EPA ID:	MAD039322250
Transporter Name:	Clean Harbors Environmental Services, Inc.

Waste Line:

Manifest Tracking Number:	015904658FLE
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y

KEMA POWERTEST LLC (Continued) **1016887009**

U.S. DOT ID Number:	UN1263
U.S. DOT Description:	Un1263, Waste Paint (Oil Base Paint), 3, Pg Ii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	90
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.045
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.045
Waste Quantity, in Kilograms:	40.816353
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	40.816353
Management Method Code:	H040
Management Method Description:	INCINERATION
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001
Quantity Haz Kg:	40.816353
Quantity Haz Tons:	0.045
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported

B8 **SKEE BALL INC** **PA MANIFEST** **S111772421**
West **121 LIBERTY LANE** **N/A**
< 1/8 **CHALFONT, PA 18914**
0.072 mi.
381 ft. **Site 1 of 2 in cluster B**

Relative: PA MANIFEST:
Higher

Actual: Name:	SKEE BALL INC
289 ft. Address:	121 LIBERTY LANE
City,State,Zip:	CHALFONT, PA 18914
Year:	2004
Manifest Number:	PAH079651
Manifest Type:	T
Generator EPA ID:	PAD987346368
Generator Date:	01/23/2004
Mailing Address:	121 LIBERTY LANE
Contact Name:	ABBOTT, IRV
Contact Phone:	215-997-8900
TSD EPA ID:	KYD053348108
TSD Date:	02/01/2004

SKEE BALL INC (Continued) **S111772421**

TSD Facility Name:	SAFETY KLEEN CORP
TSD Facility Address:	3700 LAGRANGE RD
TSD Facility City:	SMITHFIELD
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	2
Container Type:	DM
Waste Quantity:	150
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	NJD071629976
Date TSP Sig:	01/27/2004
Year:	2004
Manifest Number:	PAH079651
Manifest Type:	T
Generator EPA ID:	PAD987346368
Generator Date:	01/23/2004
Mailing Address:	121 LIBERTY LANE
Contact Name:	ABBOTT, IRV
Contact Phone:	215-997-8900
TSD EPA ID:	KYD053348108
TSD Date:	02/01/2004
TSD Facility Name:	SAFETY KLEEN CORP
TSD Facility Address:	3700 LAGRANGE RD
TSD Facility City:	SMITHFIELD
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	2
Container Type:	DM
Waste Quantity:	150
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	TXR000050930
Date TSP Sig:	01/23/2004
Year:	2004
Manifest Number:	PAH079651
Manifest Type:	T
Generator EPA ID:	PAD987346368
Generator Date:	01/23/2004
Mailing Address:	121 LIBERTY LANE
Contact Name:	ABBOTT, IRV
Contact Phone:	215-997-8900
TSD EPA ID:	KYD053348108
TSD Date:	02/01/2004
TSD Facility Name:	SAFETY KLEEN CORP
TSD Facility Address:	3700 LAGRANGE RD
TSD Facility City:	SMITHFIELD
TSD Facility State:	KY
Facility Telephone:	Not reported

SKEE BALL INC (Continued) **S111772421**

Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	2
Container Type:	DM
Waste Quantity:	150
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	NJD071629976
Date TSP Sig:	01/27/2004

Year:	2004
Manifest Number:	PAH079651
Manifest Type:	T
Generator EPA ID:	PAD987346368
Generator Date:	01/23/2004
Mailing Address:	121 LIBERTY LANE
Contact Name:	ABBOTT, IRV
Contact Phone:	215-997-8900
TSD EPA ID:	KYD053348108
TSD Date:	02/01/2004
TSD Facility Name:	SAFETY KLEEN CORP
TSD Facility Address:	3700 LAGRANGE RD
TSD Facility City:	SMITHFIELD
TSD Facility State:	KY
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	2
Container Type:	DM
Waste Quantity:	150
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	TXR000050930
Date TSP Sig:	01/23/2004

B9 **SKEE BALL INC** **RCRA-VSQG** **1004774676**
West **121 LIBERTY LANE** **FINDS** **PAD987346368**
< 1/8 **CHALFONT, PA 18914** **ECHO**
0.072 mi.
381 ft. **Site 2 of 2 in cluster B**

Relative: **Higher**

Actual: **289 ft.**

RCRA Listings:

Date Form Received by Agency:	19910812
Handler Name:	Skee Ball Inc
Handler Address:	121 Liberty Lane
Handler City,State,Zip:	CHALFONT, PA 18914
EPA ID:	PAD987346368
Contact Name:	ROBERT BIEBER
Contact Address:	121 LIBERTY LANE
Contact City,State,Zip:	CHALFONT, PA 18914
Contact Telephone:	215-997-8900
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Private

SKEE BALL INC (Continued) **1004774676**

Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Pa
State District:		1
Mailing Address:		121 LIBERTY LANE
Mailing City,State,Zip:		CHALFONT, PA 18914
Owner Name:	Skee Ball Inc	
Owner Type:		Private
Operator Name:	Opername	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20000915
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No
Sub-Part P Indicator:		No

Hazardous Waste Summary:
Waste Code: D001

SKEE BALL INC (Continued) **1004774676**

Waste Description: Ignitable Waste

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: OPERNAME	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SKEE BALL INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

SKEE BALL INC (Continued) **1004774676**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19910812
Handler Name: SKEE BALL INC
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110001070849

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates. The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004774676
Registry ID: 110001070849

DFR URL:
Name: SKEE BALL INC
Address: 121 LIBERTY LANE
City,State,Zip: CHALFONT, PA 18914

C10
West
< 1/8
0.097 mi.
512 ft.

MATCOR, INC.
101 LIBERTY LN
CHALFONT, PA 18914

Site 1 of 2 in cluster C

E MANIFEST **1027842849**
N/A

Relative:
Higher

Actual:
299 ft.

E MANIFEST:

Manifest Tracking Number:	011897783FLE
Last Updated Date:	20190218
Shipped Date:	20190111
Received Date:	20190120
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CESQG
Generator Name:	Matcor, Inc.
Generator Location Street Number:	Not reported
Generator Location Street 1:	101 LIBERTY LN
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	101 Liberty Ln
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ARD069748192
Designated Facility Name:	Clean Harbors El Dorado Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	309 American Circle
Designated Facility Mail City:	El Dorado
Designated Facility Mail Zip:	71730
Designated Facility Mail State:	AR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	309 American Circle
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	El Dorado
Designated Facility Location Zip:	71730
Designated Facility Location State:	AR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	018278547FLE
Last Updated Date:	20230913
Shipped Date:	20230801
Received Date:	20230824
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CESQG
Generator Name:	Matcor, Inc.
Generator Location Street Number:	Not reported
Generator Location Street 1:	101 LIBERTY LN
Generator Location Street 2:	Not reported

MATCOR, INC. (Continued) **1027842849**

Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	101 Liberty Ln
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Matcor, Inc.
Designated Facility EPA ID:	ARD069748192
Designated Facility Name:	Clean Harbors El Dorado Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	309 American Circle
Designated Facility Mail City:	El Dorado
Designated Facility Mail Zip:	71730
Designated Facility Mail State:	AR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	309 American Circle
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	El Dorado
Designated Facility Location Zip:	71730
Designated Facility Location State:	AR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	006874383SKS
Last Updated Date:	20190805
Shipped Date:	20190607
Received Date:	20190707
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CESQG
Generator Name:	Matcor, Inc.
Generator Location Street Number:	Not reported
Generator Location Street 1:	101 LIBERTY LN
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	101 Liberty Ln
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ARD069748192
Designated Facility Name:	Clean Harbors El Dorado Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	309 American Circle
Designated Facility Mail City:	El Dorado
Designated Facility Mail Zip:	71730

MATCOR, INC. (Continued) **1027842849**

Designated Facility Mail State:	AR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	309 American Circle
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	El Dorado
Designated Facility Location Zip:	71730
Designated Facility Location State:	AR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	006874383SKS
Transporter Line Number:	1
Transporter EPA ID:	TXR000081205
Transporter Name:	Safety-Kleen Systems, Inc.
Manifest Tracking Number:	006874383SKS
Transporter Line Number:	2
Transporter EPA ID:	MAD039322250
Transporter Name:	Clean Harbors Environmental Services, Inc.
Manifest Tracking Number:	006874383SKS
Transporter Line Number:	3
Transporter EPA ID:	MAD039322250
Transporter Name:	Clean Harbors Environmental Services, Inc.

Waste Line:

Manifest Tracking Number:	006874383SKS
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN2735
U.S. DOT Description:	Un2735, Waste Amines, Liquid, Corrosive, N.O.S. (Amidoamine Resin, Inert Ingredients), 8, Pg Ii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	100
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.05
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.05
Waste Quantity, in Kilograms:	45.3515
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	45.3515
Management Method Code:	H040
Management Method Description:	INCINERATION
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported

MATCOR, INC. (Continued) **1027842849**

Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D002
Quantity Haz Kg:	45.3515
Quantity Haz Tons:	0.05
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported
Manifest Tracking Number:	006874383SKS
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	N
U.S. DOT ID Number:	Not reported
U.S. DOT Description:	Not reported
Non-Hazardous Waste Description:	None, Not Dot Regulated Material, None, None, (Epoxy Resin)
Number of Containers:	1
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	100
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.05
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.05
Waste Quantity, in Kilograms:	45.3515
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	45.3515
Management Method Code:	H040
Management Method Description:	INCINERATION
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	N
Federal Waste Codes:	Not reported
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	45.3515
Quantity Non Haz Tons:	0.05
State Waste Codes:	Not reported

C11 **MATCOR INC** **PA MANIFEST** **S118890522**
West **101 LIBERTY LN** **N/A**
< 1/8 **CHALFONT, PA 18914**
0.097 mi.
512 ft. **Site 2 of 2 in cluster C**

Relative: **Higher**

Actual: **299 ft.**

PA MANIFEST:

Name:	MATCOR INC
Address:	101 LIBERTY LN
City,State,Zip:	CHALFONT, PA 18914
Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D006
Container Number:	1
Container Type:	DM
Waste Quantity:	75
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported

Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	1
Container Type:	DM
Waste Quantity:	75
Unit:	P
Handling Code:	Not reported

MATCOR INC (Continued) **S118890522**

TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported
Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	1
Container Type:	DM
Waste Quantity:	75
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported
Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D005
Container Number:	1
Container Type:	DM
Waste Quantity:	75
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported
Year:	2015
Manifest Number:	004718461SKS

MATCOR INC (Continued) **S118890522**

Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	P051
Container Number:	1
Container Type:	DM
Waste Quantity:	50
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported

Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	P123
Container Number:	1
Container Type:	DM
Waste Quantity:	50
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported

Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported

MATCOR INC (Continued) **S118890522**

Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	U002
Container Number:	1
Container Type:	DM
Waste Quantity:	50
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported
Year:	2015
Manifest Number:	004718461SKS
Manifest Type:	T
Generator EPA ID:	PADEP0021477
Generator Date:	07/30/2015
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Clean Harbors El Dorado LLC
TSD Facility Address:	309 American Circle
TSD Facility City:	El Dorado
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	U036
Container Number:	1
Container Type:	DM
Waste Quantity:	50
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	ARD069748192
Date TSP Sig:	Not reported

D12 **TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENT** **RCRA-VSQG** **1026059767**
WNW **111 NEW BRITAIN BLVD** **E MANIFEST** **PAR000517532**
< 1/8 **CHALFONT, PA 18914**
0.121 mi.
637 ft. **Site 1 of 2 in cluster D**

Relative: **Higher**
Actual: **306 ft.**

RCRA Listings:

Date Form Received by Agency:	20200901
Handler Name:	Teva Pharmaceuticals New Britain Distribution Center
Handler Address:	111 New Britain Blvd
Handler City,State,Zip:	CHALFONT, PA 18914-1833
EPA ID:	PAR000517532
Contact Name:	DANIEL C ROBUCK

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Contact Address:		1090 HORSHAM RD
Contact City,State,Zip:		NORTH WALES, PA 19454-1505
Contact Telephone:		215-591-8710
Contact Fax:		Not reported
Contact Email:		DANIEL.ROBUCK@TEVAPHARM.COM
Contact Title:		ASSOC EHS DIR
EPA Region:		03
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Pa
State District:		1
Mailing Address:		1090 HORSHAM RD
Mailing City,State,Zip:		NORTH WALES, PA 19454-1505
Owner Name:	Teva Pharmaceuticals	
Owner Type:		Private
Operator Name:	Teva Pharm New Britain Distr Ct	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20200921
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D003
Waste Description: Reactive Waste

Waste Code: D004
Waste Description: Arsenic

Waste Code: D011
Waste Description: Silver

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: P001
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts, When Present At Concentrations Greater Than 0.3% (Or) Warfarin, &

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Salts, When Present At Concentrations Greater Than 0.3%

Waste Code: P012
Waste Description: Arsenic Oxide As2o3 (Or) Arsenic Trioxide

Waste Code: P042
Waste Description: 1,2-Benzenediol, 4-[1-Hydroxy-2-(Methylamino)Ethyl]-, (R)- (Or) Epinephrine

Waste Code: U206
Waste Description: D-Glucose, 2-Deoxy-2-[[(Methylnitrosoamino)-Carbonyl]Amino]- (Or) Glucopyranose, 2-Deoxy-2-(3-Methyl-3-Nitrosoureido)-,D- (Or) Streptozotocin

Waste Code: U248
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenyl-Butyl)-, & Salts, When Present At Concentrations Of 0.3% Or Less (Or) Warfarin, & Salts, When Present At Concentrations Of 0.3% Or Less

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: TEVA PHARMACEUTICALS USA INC
Legal Status: Private
Date Became Current: 20060901
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NAPPEN & ASSOCIATES
Legal Status: Private
Date Became Current: 20060115
Date Ended Current: Not reported
Owner/Operator Address: 171 CORPORATE DR
Owner/Operator City,State,Zip: MONTGOMERYVILLE, PA 18936
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TEVA PHARM NEW BRITAIN DISTR CT
Legal Status: Private
Date Became Current: 20060901
Date Ended Current: Not reported
Owner/Operator Address: 111 NEW BRITAIN BLVD
Owner/Operator City,State,Zip: CHALFONT, PA 18914
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Owner/Operator Name: TEVA PHARM NEW BRITAIN DISTR CT
Legal Status: Private
Date Became Current: 20060901
Date Ended Current: Not reported
Owner/Operator Address: 111 NEW BRITAIN BLVD
Owner/Operator City,State,Zip: CHALFONT, PA 18914-1833
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TEVA PHARMACEUTICALS
Legal Status: Private
Date Became Current: 20060115
Date Ended Current: Not reported
Owner/Operator Address: 400 INTERPACE PKWY
Owner/Operator City,State,Zip: PARSIPPANY, NJ 07054-1120
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TEVA PHARMACEUTICALS
Legal Status: Private
Date Became Current: 20060115
Date Ended Current: Not reported
Owner/Operator Address: 400 INTERPACE PKWY
Owner/Operator City,State,Zip: PARSIPPANY, NJ 07054
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20080225
Handler Name: TEVA PHARMACEUTICALS USA INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200113
Handler Name: TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200901
Handler Name: TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42421
NAICS Description: Drugs And Druggists' Sundries Merchant Wholesalers

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20080908
Actual Return to Compliance Date: 20081114
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Container Use and Management
Date Violation was Determined: 20080908
Actual Return to Compliance Date: 20081114
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20180614
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: DHA
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20150707
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: AJP
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20121211
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: AJP
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20110729
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: AJP
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20081114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	ATG
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ATG
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20081114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ATG
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20081114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

E MANIFEST:

Manifest Tracking Number:	002252469VES
Last Updated Date:	20231013
Shipped Date:	20230928
Received Date:	20231006
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NJD980536593
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	1
Designated Facility Mail Street 1:	1 EDEN LANE
Designated Facility Mail Street 2:	L.L.C.
Designated Facility Mail City:	FLANDERS
Designated Facility Mail Zip:	07836
Designated Facility Mail State:	NJ
Designated Facility Location Street Number:	1
Designated Facility Location Street 1:	L.L.C.
Designated Facility Location Street 2:	1 EDEN LANE
Designated Facility Location City:	FLANDERS
Designated Facility Location Zip:	07836
Designated Facility Location State:	NJ
Designated Facility Contact Company Name:	Veolia Es Technical Solutions
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	001812918VES
Last Updated Date:	20200624
Shipped Date:	20200610
Received Date:	20200611
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CENTE
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CENTE
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	7 MOBILE AVE
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	7 MOBILE AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Technical Solutions Llc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	001812919VES
Last Updated Date:	20200706
Shipped Date:	20200616
Received Date:	20200617
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CENTE
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CENTE
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	7 MOBILE AVE
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	7 MOBILE AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Technical Solutions Llc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	002045187VES
Last Updated Date:	20220318
Shipped Date:	20220301
Received Date:	20220302
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	7 MOBILE AVENUE
Designated Facility Mail Street 2:	L.L.C.
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	L.L.C.
Designated Facility Location Street 2:	7 MOBILE AVENUE
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201-1069
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Es Technical Solutions,
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	001974638VES
Last Updated Date:	20201030
Shipped Date:	20201027
Received Date:	20201028
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	7 MOBILE AVE
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	7 MOBILE AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Technical Solutions Llc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	001976817VES
Last Updated Date:	20201207
Shipped Date:	20201202
Received Date:	20201203
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	7 MOBILE AVENUE
Designated Facility Mail Street 2:	L.L.C.
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	L.L.C.
Designated Facility Location Street 2:	7 MOBILE AVENUE
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201-1069
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Es Technical Solutions,
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	001976818VES

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Last Updated Date:	20201214
Shipped Date:	20201207
Received Date:	20201208
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	7 MOBILE AVENUE
Designated Facility Mail Street 2:	L.L.C.
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	L.L.C.
Designated Facility Location Street 2:	7 MOBILE AVENUE
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201-1069
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Es Technical Solutions,
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	001858220VES
Last Updated Date:	20201029
Shipped Date:	20201021
Received Date:	20201022
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000517532
Generator Name:	Teva Pharmaceuticals
Generator Location Street Number:	Not reported
Generator Location Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Location Street 2:	111 NEW BRITAIN BOULEVARD
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	NEW BRITAIN DISTRIBUTION CTR
Generator Mail Street 2:	111 NEW BRITAIN BOULEVARD

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	ILD098642424
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	7 MOBILE AVE
Designated Facility Mail City:	SAUGET
Designated Facility Mail Zip:	62201-1069
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	7 MOBILE AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	SAUGET
Designated Facility Location Zip:	62201
Designated Facility Location State:	IL
Designated Facility Contact Company Name:	Veolia Technical Solutions Llc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	001858220VES
Transporter Line Number:	1
Transporter EPA ID:	NJD071629976
Transporter Name:	S J Transportation Co Inc.

Waste Line:

Manifest Tracking Number:	001858220VES
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1170
U.S. DOT Description:	Un1170, Waste Ethanol Solutions, (Minoxidil), 3, Ii, Limited Quantity
Non-Hazardous Waste Description:	Not reported
Number of Containers:	30
Container Type Code:	CF
Container Type Description:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	12174
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	6.087
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	6.087
Waste Quantity, in Kilograms:	5521.092
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	5521.092
Management Method Code:	H040
Management Method Description:	INCINERATION
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y
Federal Waste Codes: D001
Quantity Haz Kg: 5521.092
Quantity Haz Tons: 6.087
Quantity Non Haz Kg: 0
Quantity Non Haz Tons: 0
State Waste Codes: Not reported

Manifest Tracking Number: 001858220VES
Waste Line Number: 2
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1170
U.S. DOT Description: Un1170, Waste Ethanol Solutions, (Smx), 3, Ii, Limited Quantity
Non-Hazardous Waste Description: Not reported
Number of Containers: 14
Container Type Code: CF
Container Type Description: Fiber or plastic boxes, cartons, cases
Waste Quantity: 5700
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 2.85
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 2.85
Waste Quantity, in Kilograms: 2585.0354
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 2585.0354
Management Method Code: H040
Management Method Description: INCINERATION
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y
Federal Waste Codes: D001
Quantity Haz Kg: 2585.0354
Quantity Haz Tons: 2.85
Quantity Non Haz Kg: 0
Quantity Non Haz Tons: 0
State Waste Codes: Not reported

Manifest Tracking Number: 001858220VES
Waste Line Number: 3

TEVA PHARMACEUTICALS NEW BRITAIN DISTRIBUTION CENTER (Continued) **1026059767**

U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1170
U.S. DOT Description:	Un1170, Waste Ethanol Solutions, (Smx), 3, Ii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	3
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	150
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.075
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.075
Waste Quantity, in Kilograms:	68.02725
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	68.02725
Management Method Code:	H040
Management Method Description:	INCINERATION
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001
Quantity Haz Kg:	68.02725
Quantity Haz Tons:	0.075
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported

D13 **TEVA PHARM NEW BRITAIN WHSE** **PA AST** **A100301442**
WNW **111 NEW BRITAIN BLVD** **N/A**
< 1/8 **CHALFONT, PA 18914**
0.121 mi.
637 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
306 ft.

AST:

Name:	TEVA PHARM NEW BRITAIN WHSE
Address:	111 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914-1833
Site ID:	686067
Client Id:	63285
Other Id:	09-39520
Mailing Name:	TEVA PHARM USA INC
Mailing Address:	PO BOX 1090
Mailing Address:	190 HORSHAM RD
Mailing City,St,Zip:	NORTH WALES, PA 19454-0090
Municipality:	New Britain
Region Name:	EP SE Rgnl Off Norristown

TEVA PHARM NEW BRITAIN WHSE (Continued) **A100301442**

Tank Seq Num:	001A
Tank Status:	Currently In Use
Tank Capacity:	2000
Substance:	Diesel Fuel
Date Installed:	02/07/2007
Tank Code:	AST
Inspection Code:	Not reported
Tank Last Inspected:	Not reported
Registration Expiration Date:	02/04/2025
Decode for Tstatus:	Currently In Use
Decode for Substance:	Diesel Fuel

E14 **F M C CORP M H S DIV** **RCRA NonGen / NLR** **1000105741**
SSW **3400 WALNUT ST** **PAD040838187**
1/8-1/4 **COLMAR, PA 18915**
0.135 mi.
713 ft. **Site 1 of 6 in cluster E**

Relative: **Higher**

Actual: **288 ft.**

RCRA Listings:

Date Form Received by Agency:		19800815
Handler Name:		F M C Corp M H S Div
Handler Address:		3400 Walnut St
Handler City,State,Zip:		COLMAR, PA 18915
EPA ID:		PAD040838187
Contact Name:		ROBERT RESINGER
Contact Address:		3400 WALNUT ST
Contact City,State,Zip:		COLMAR, PA 18915
Contact Telephone:		215-822-0581
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		03
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Pa
State District:		1
Mailing Address:		3400 WALNUT STREET
Mailing City,State,Zip:		COLMAR, PA 18915
Owner Name:	Fmc Corp	
Owner Type:		Private
Operator Name:	Opername	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No

F M C CORP M H S DIV (Continued) **1000105741**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	F017
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: FMC CORP	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: OPERNAME	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET

F M C CORP M H S DIV (Continued) **1000105741**

Owner/Operator City,State,Zip: OPERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19800815
Handler Name: F M C CORP M H S DIV
Federal Waste Generator Description: Not a generator, verified
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 333131
NAICS Description: Mining Machinery And Equipment Manufacturing

NAICS Code: 333994
NAICS Description: Industrial Process Furnace And Oven Manufacturing

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E15 **FMC CORPORATION** **NY MANIFEST** **S117565144**
SSW **3400 WALNUT ST** **N/A**
1/8-1/4 **COLMAR, PA 18915**
0.135 mi.
713 ft. **Site 2 of 6 in cluster E**

Relative: **Higher**

Actual: **288 ft.**

NY MANIFEST:
EPA ID: PAD040838187
Country: USA
Name: Fmc Corporation
Address: 3400 WALNUT ST
Address 2: Not reported
City,State,Zip: COLMAR, PA 18915
Zip 4: Not reported
Location Address 1: MHS DIVISION-400 HIGHPOINT DR
Location Address 2: Not reported
Location City,State,Zip: CHALFONT, PA 18914
Location Zip 4: Not reported
Facility Status: Not reported
Total Tanks: Not reported
Code: BP

FMC CORPORATION (Continued) **S117565144**

Mailing:
- Mailing Name: Fmc Corporation
- Mailing Contact: Fmc Corporation
- Mailing Address 1: MHS DIVISION-400 HIGHPOINT DR
- Mailing Address 2: Not reported
- Mailing City,State,Zip: CHALFONT, PA 18914
- Mailing Zip 4: Not reported
- Mailing Country: USA
- Mailing Phone: 2158224384

Manifest Data:
- Document ID: NYA5475096
- Manifest Status: C - Completed copy
- Trans1 State ID: Not reported
- Year: 1987
- Trans2 State ID: 47722ANY
- Generator Ship Date: 871201
- Trans1 Recv Date: 871201
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 871207
- Part A Recv Date: 871217
- Part B Recv Date: 871217
- Generator EPA ID: PAD040838187
- Trans1 EPA ID: NYD980769947
- Trans2 EPA ID: Not reported
- TSDF ID 1: NYD049836679
- TSDF ID 2: Not reported
- Manifest Tracking Number: Not reported
- Import Indicator: Not reported
- Export Indicator: Not reported
- Discr Quantity Indicator: Not reported
- Discr Type Indicator: Not reported
- Discr Residue Indicator: Not reported
- Discr Partial Reject Indicator: Not reported
- Discr Full Reject Indicator: Not reported
- Manifest Ref Number: Not reported
- Alt Facility RCRA ID: Not reported
- Alt Facility Sign Date: Not reported
- MGMT Method Type Code: Not reported
- Waste Code 1: B007
- Waste Code 2: Not reported
- Waste Code 3: Not reported
- Waste Code 4: Not reported
- Waste Code 5: Not reported
- Waste Code 6: Not reported
- Quantity: 00400
- Units: Pounds
- Number of Containers: 001
- Container Type: Metal drums, barrels, kegs
- Handling Method: Landfill
- Specific Gravity: 100

E16 **R & B COLMAR FAC** **RCRA-VSQG** **1004775024**
SSW **3400 WALNUT ST** **FINDS** **PAD987366424**
1/8-1/4 **COLMAR, PA 18915** **ECHO**
0.135 mi.
713 ft. **Site 3 of 6 in cluster E**

Relative: **Higher**

Actual: **288 ft.**

RCRA Listings:

Date Form Received by Agency:		20131023
Handler Name:		R & B Inc Colmar Facility
Handler Address:		3400 East Walnut St
Handler City,State,Zip:		COLMAR, PA 18915
EPA ID:		PAD987366424
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		03
Land Type:		Other
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Pa
State District:		1
Mailing Address:		Not reported
Mailing City,State,Zip:		Not reported
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

R & B COLMAR FAC (Continued) **1004775024**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20131112
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D018
Waste Description:	Benzene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BERMAN REAL ESTATE PARTNERSHIP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3400 EAST WALNUT ST
Owner/Operator City,State,Zip:	COLMAR, PA 18915
Owner/Operator Telephone:	215-997-1800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20131023
Handler Name:	R & B INC COLMAR FACILITY
Federal Waste Generator Description:	Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner:	Pa
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920213
Handler Name:	R & B INC COLMAR FACILITY
Federal Waste Generator Description:	Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator

R & B COLMAR FAC (Continued) **1004775024**

State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20131018
Evaluation Responsible Agency: State
Found Violation: No

R & B COLMAR FAC (Continued) **1004775024**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	OJA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110000971583

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004775024
Registry ID:	110000971583

DFR URL:

Name:	R & B COLMAR FAC
Address:	3400 WALNUT ST
City,State,Zip:	COLMAR, PA 18915

E17 **R & B** **UST FINDER** **1028654291**
SSW **3400 E WALNUT ST** **N/A**
1/8-1/4 **COLMAR, PA**
0.141 mi.
744 ft. **Site 4 of 6 in cluster E**

Relative:
Higher

Actual:
287 ft.

UST FINDER:

Object ID:	367521
Facility ID:	PA507947
Name:	R & B
Address:	3400 E WALNUT ST
City,State,Zip:	COLMAR, PA
Address Match Type:	PointAddress
Open USTs:	0
Closed USTs:	3
TOS USTs:	0
Population 1500ft:	52
Private Wells 1500ft:	2

R & B (Continued) **1028654291**

Within 100yr Floodplain:	No
Land Use:	Developed, Low Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	PA1460048_017
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	020402010202
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	3
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-75.24705087
Y Coord:	40.27387588
Latitude:	40.27387588
Longitude:	-75.24705087

UST FINDER:

Object ID:	1579974
Facility ID:	PA507947
Tank ID:	PA685706 - 001
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	1990/02/23 15:59:59+00
Tank Capacity:	1000
Substances:	Diesel Fuel
Tank Wall Type:	Not reported

Object ID:	1579975
Facility ID:	PA507947
Tank ID:	PA685707 - 002
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	1990/02/23 15:59:59+00
Tank Capacity:	30000
Substances:	Heating Oil
Tank Wall Type:	Not reported

Object ID:	1579976
Facility ID:	PA507947
Tank ID:	PA685708 - 003
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	1990/02/23 15:59:59+00
Tank Capacity:	30000
Substances:	Heating Oil
Tank Wall Type:	Not reported

E18
SSW
1/8-1/4
0.141 mi.
744 ft.

DORMAN PRODUCTS INC
3400 E WALNUT ST
COLMAR, PA 18915

Site 5 of 6 in cluster E

E MANIFEST **1031641670**
N/A

Relative:
Higher

Actual:
287 ft.

E MANIFEST:

Manifest Tracking Number:	024947113JJK
Last Updated Date:	20230531
Shipped Date:	20230515
Received Date:	20230518
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PACESQG
Generator Name:	Dorman Products Inc
Generator Location Street Number:	Not reported
Generator Location Street 1:	3400 E WALNUT ST
Generator Location Street 2:	Not reported
Generator Location City:	COLMAR
Generator Location State:	PA
Generator Location Zip:	18915
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	3400 E WALNUT ST
Generator Mail Street 2:	Not reported
Generator Mail City:	COLMAR
Generator Mail Zip:	18915
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	OHD066060609
Designated Facility Name:	Chemtron Corporation
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	35850 SCHNEIDER CT
Designated Facility Mail City:	AVON
Designated Facility Mail Zip:	44011
Designated Facility Mail State:	OH
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	35850 SCHNEIDER CT
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	AVON
Designated Facility Location Zip:	44011
Designated Facility Location State:	OH
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	024947113JJK
Transporter Line Number:	1
Transporter EPA ID:	OHD066060609
Transporter Name:	Chemtron Corporation

Manifest Tracking Number:	024947113JJK
Transporter Line Number:	2
Transporter EPA ID:	NJD986607380
Transporter Name:	Maumee Express Inc

DORMAN PRODUCTS INC (Continued) **1031641670**

Waste Line:

Manifest Tracking Number:	024947113JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1950
U.S. DOT Description:	Un1950, Waste Aerosols, 2.1 ,
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	8
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.004
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.004
Waste Quantity, in Kilograms:	3.6281202
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	3.6281202
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001
Quantity Haz Kg:	3.6281202
Quantity Haz Tons:	0.004
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported

Manifest Tracking Number:	024947113JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1294
U.S. DOT Description:	Un1294, Waste, Toluene, 3 , Pgii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	2
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	180
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.09
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.09

DORMAN PRODUCTS INC (Continued) **1031641670**

Waste Quantity, in Kilograms:	81.632706
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	81.632706
Management Method Code:	H061
Management Method Description:	FUEL BLENDING
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, U220
Quantity Haz Kg:	81.632706
Quantity Haz Tons:	0.09
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported

Manifest Tracking Number:	024947113JJK
Waste Line Number:	3
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1294
U.S. DOT Description:	Un1294, Waste, Toluene, 3 , Pgii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	2
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	80
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.04
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.04
Waste Quantity, in Kilograms:	36.2812
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	36.2812
Management Method Code:	H061
Management Method Description:	FUEL BLENDING
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported

DORMAN PRODUCTS INC (Continued) **1031641670**

Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, F005
Quantity Haz Kg:	36.2812
Quantity Haz Tons:	0.04
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported
Manifest Tracking Number:	024947113JJK
Waste Line Number:	4
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1219
U.S. DOT Description:	Un1219, Waste, Isopropyl Alcohol, 3 , Pgii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	200
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.1
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.1
Waste Quantity, in Kilograms:	90.703
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	90.703
Management Method Code:	H061
Management Method Description:	FUEL BLENDING
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001
Quantity Haz Kg:	90.703
Quantity Haz Tons:	0.1
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported
Manifest Tracking Number:	024947113JJK
Waste Line Number:	5
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1824
U.S. DOT Description:	Un1824, Waste, Sodium Hydroxide Solution, 8 , Pgii
Non-Hazardous Waste Description:	Not reported

DORMAN PRODUCTS INC (Continued) **1031641670**

Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	85
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.0425
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.0425
Waste Quantity, in Kilograms:	38.54878
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	38.54878
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D002
Quantity Haz Kg:	38.54878
Quantity Haz Tons:	0.0425
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported

E19 **R & B** **PA ARCHIVE UST** **S111115213**
SSW **3400 E WALNUT ST** **N/A**
1/8-1/4 **COLMAR, PA 18915**
0.141 mi.
744 ft. **Site 6 of 6 in cluster E**

Relative: ARCHIVE UST:
Higher

Actual:
287 ft.

Name:	R & B
Address:	3400 E WALNUT ST
City,State,Zip:	COLMAR, PA 18915-9768
Facility Id:	46-17534
Site ID:	507947
Municipality:	Hatfield Twp
Client Date:	Not reported
Owner Id:	Not reported
Owner Name:	R & B INC
Owner Address:	3400 E WALNUT ST
Owner Address 2:	Not reported
Owner City,St,Zip:	COLMAR, PA 18915-9768
Owner Phone:	Not reported
Owner County Code:	Not reported
Resp Party Name:	R & B INC
RP Address:	3400 E WALNUT ST

R & B (Continued) **S111115213**

RP Address 2:	Not reported
RP City,St,Zip:	COLMAR, PA 18915-9768
Region Code Name:	Not reported
Regulated Expire Date:	Not reported
Tank Sequence #:	001
Tank Id:	685706
Status:	Removed
Status Code End Date:	Not reported
Capacity:	1000
Substance:	R & B
Tank Substance End Date:	Not reported
Install Date:	Not reported
Tank Code:	UST
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	52335
Chemical Name:	UNKNOWN
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	Not reported
Company:	Not reported
Tank Sequence #:	002
Tank Id:	685707
Status:	Removed
Status Code End Date:	Not reported
Capacity:	30000
Substance:	R & B
Tank Substance End Date:	Not reported
Install Date:	Not reported
Tank Code:	UST
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	52335
Chemical Name:	UNKNOWN
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	Not reported
Company:	Not reported
Tank Sequence #:	003
Tank Id:	685708
Status:	Removed
Status Code End Date:	Not reported
Capacity:	30000
Substance:	R & B
Tank Substance End Date:	Not reported
Install Date:	Not reported
Tank Code:	UST
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported

R & B (Continued) **S111115213**

CASRN for Hazardous Substances:	52335
Chemical Name:	UNKNOWN
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	Not reported
Company:	Not reported

---

20 **TEVA PHARMACEUTICALS USA INC** **PA MANIFEST** **S110050974**
West **11 NEW BRITAIN BLVD** **N/A**
1/8-1/4 **CHALFONT, PA 18914**
0.178 mi.
938 ft.

Relative:
Higher

Actual:
278 ft.

PA MANIFEST:

Name:	TEVA PHARMACEUTICALS USA INC
Address:	11 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914
Year:	2008
Manifest Number:	003967411JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	05/06/2008
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D011
Container Number:	3
Container Type:	DF
Waste Quantity:	340
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2008
Manifest Number:	003967411JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	05/06/2008
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported

TEVA PHARMACEUTICALS USA INC (Continued) **S110050974**

Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	1
Container Type:	CF
Waste Quantity:	730
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2008
Manifest Number:	003980445JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	10/20/2008
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D011
Container Number:	2
Container Type:	DF
Waste Quantity:	100
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2008
Manifest Number:	003980445JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	10/20/2008
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	x99x
Container Number:	2
Container Type:	CF

TEVA PHARMACEUTICALS USA INC (Continued) **S110050974**

Waste Quantity:	680
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	007428235JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	05/04/2011
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D011
Container Number:	2
Container Type:	DF
Waste Quantity:	100
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	007428235JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	05/04/2011
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	U206
Container Number:	1
Container Type:	DF
Waste Quantity:	1
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

TEVA PHARMACEUTICALS USA INC (Continued) **S110050974**

Year:	2011
Manifest Number:	007428235JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	05/04/2011
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D001
Container Number:	2
Container Type:	CF
Waste Quantity:	1400
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	007428423JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	06/21/2011
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	U206
Container Number:	1
Container Type:	DF
Waste Quantity:	3
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	007428423JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	06/21/2011

TEVA PHARMACEUTICALS USA INC (Continued) **S110050974**

Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	2
Container Type:	DF
Waste Quantity:	60
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2009
Manifest Number:	005117526JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	06/09/2009
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D011
Container Number:	2
Container Type:	DF
Waste Quantity:	105
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2009
Manifest Number:	005117526JJK
Manifest Type:	T
Generator EPA ID:	PAR000517532
Generator Date:	06/09/2009
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-591-8511
TSD EPA ID:	OHD066060609
TSD Date:	Not reported

TEVA PHARMACEUTICALS USA INC (Continued) **S110050974**

TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	3
Container Type:	CF
Waste Quantity:	2330
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Click this hyperlink while viewing on your computer to access
4 additional PA MANIFEST: record(s) in the EDR Site Report.

21
South
1/8-1/4
0.188 mi.
992 ft.

QUAD/GRAPHICS MARKETING INC **PFAS ECHO** **1031413515**
N/A

CHALFONT, PA

Relative:
Higher

Actual:
293 ft.

PFAS ECHO:

Facility ID:	110070290688
Name:	Quad/Graphics Marketing Inc
Address:	Not reported
City,State,Zip:	CHALFONT, PA
Latitude:	40.273803
Longitude:	-75.242117
Count:	1
County:	BUCKS
Status:	Unknown
Region:	03
Industry:	Printing

ECHO Facility Report:

Facility Percent Minority:	20.892
Facility Derived Tribes:	-
Facility Population:	1892.57
EPA Programs:	-
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	42017
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	02040201
Facility Derived WBD:	020402010202
Facility Derived CD113:	13
Facility Derived CB2010:	420171020032011
Facility Major Flag:	-
Facility Active Flag:	-
Facility Inspection Count:	0
Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	0

QUAD/GRAPHICS MARKETING INC (Continued) **1031413515**

Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	-
Facility Programs With SNC:	0
Facility Compliance Status:	-
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-

F22 **CIMA NETWORK INC** **E MANIFEST** **1031562753**
NW **121 NEW BRITIAN BLVD** **N/A**
1/8-1/4 **CHALFONT, PA 18914**
0.189 mi.
999 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
307 ft.

E MANIFEST:

Manifest Tracking Number:	024440668JJK
Last Updated Date:	20231011
Shipped Date:	20230919
Received Date:	20231003
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	EXEMPT VSQG
Generator Name:	Cima Network Inc
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITIAN BLVD
Generator Location Street 2:	Not reported

CIMA NETWORK INC (Continued) **1031562753**

Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITIAN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Environmental Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	150 W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	Not reported
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	150 W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	024440668JJK
Transporter Line Number:	1
Transporter EPA ID:	PAD987271020
Transporter Name:	Elk Transportation Inc Dba Elk Environmental Services

Waste Line:

Manifest Tracking Number:	024440668JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1263
U.S. DOT Description:	Rq, Un1263, Waste Paint Related Material, 3, Pg Ii (D001)
Non-Hazardous Waste Description:	Not reported
Number of Containers:	2
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	60
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	0.2502085
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.2502085
Waste Quantity, in Kilograms:	226.94662
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	226.94662
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N

CIMA NETWORK INC (Continued) **1031562753**

Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D035, F003, F005
Quantity Haz Kg:	226.94662
Quantity Haz Tons:	0.2502085
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported

Manifest Tracking Number:	024440668JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1263
U.S. DOT Description:	Rq, Un1263, Waste Paint Related Material, 3, Pg Ii (D001)
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	50
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	0.20850709
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.20850709
Waste Quantity, in Kilograms:	189.1222
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	189.1222
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D035, F003, F005
Quantity Haz Kg:	189.1222
Quantity Haz Tons:	0.20850709

CIMA NETWORK INC (Continued) **1031562753**

Quantity Non Haz Kg: Not reported
Quantity Non Haz Tons: Not reported
State Waste Codes: Not reported

F23 **CIMA NETWORK, INC.** **FINDS** **1024398039**
NW **121 NEW BRITAIN BLVD.** **E MANIFEST** **N/A**
1/8-1/4 **CHALFONT, PA 18914**
0.189 mi.
999 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
307 ft.

FINDS:
Registry ID: 110070311675

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E MANIFEST:

Manifest Tracking Number:	021137144JJK
Last Updated Date:	20200219
Shipped Date:	20200121
Received Date:	20200129
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network, Inc.
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD.
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD.
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Enviromental Llc
Designated Facility Mail Street Number:	150
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	15042
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	150
Designated Facility Location Street 1:	W 4TH AVE

CIMA NETWORK, INC. (Continued) **1024398039**

Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	021137145JJK
Last Updated Date:	20200219
Shipped Date:	20200121
Received Date:	20200129
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network, Inc.
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD.
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD.
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Enviromental Llc
Designated Facility Mail Street Number:	150
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	15042
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	150
Designated Facility Location Street 1:	W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	023187675JJK
Last Updated Date:	20220218
Shipped Date:	20211201
Received Date:	20211210
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network Inc.

CIMA NETWORK, INC. (Continued) **1024398039**

Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD.
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD.
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Enviromental Llc
Designated Facility Mail Street Number:	150
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	15042
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	150
Designated Facility Location Street 1:	W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	021784350JJK
Last Updated Date:	20201116
Shipped Date:	20201007
Received Date:	20201008
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network Inc.
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD.
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD.
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Enviromental Llc
Designated Facility Mail Street Number:	150
Designated Facility Mail Street 1:	Not reported

CIMA NETWORK, INC. (Continued) **1024398039**

Designated Facility Mail Street 2:	W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	15042
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	150
Designated Facility Location Street 1:	W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	022515825JJK
Last Updated Date:	20210716
Shipped Date:	20210604
Received Date:	20210614
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network Inc.
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD.
Generator Location Street 2:	ATTN: DAVID MARCONIS
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD.
Generator Mail Street 2:	ATTN: DAVID MARCONIS
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Enviromental Llc
Designated Facility Mail Street Number:	150
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	15042
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	150
Designated Facility Location Street 1:	W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	022515825JJK
Transporter Line Number:	1

CIMA NETWORK, INC. (Continued) **1024398039**

Transporter EPA ID: PAD987271020
Transporter Name: Elk Transportation Inc Dba Elk Environmental Services

Manifest Tracking Number: 022515825JJK
Transporter Line Number: 2
Transporter EPA ID: PAR000042341
Transporter Name: Eap Instustries Inc

Waste Line:
Manifest Tracking Number: 022515825JJK
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1263
U.S. DOT Description: Rq, Un1263, Waste Paint Related Material, 3, Pg Ii (D001)
Non-Hazardous Waste Description: Not reported
Number of Containers: 2
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 45
Quantity Unit of Measure Code: G
Quantity Unit of Measure Description: Gallons
Waste Quantity, in Tons: 0.18765637
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.18765637
Waste Quantity, in Kilograms: 170.20996
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 170.20996
Management Method Code: H141
Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y
Federal Waste Codes: D001, D035, F003, F005
Quantity Haz Kg: 170.20996
Quantity Haz Tons: 0.18765637
Quantity Non Haz Kg: 0
Quantity Non Haz Tons: 0
State Waste Codes: Not reported

F24
NW
1/8-1/4
0.189 mi.
999 ft.

CIMA NETWORK, INC
121 NEW BRITAIN BLVD
CHALFONT, PA 18914

Site 3 of 3 in cluster F

E MANIFEST **1028023356**
N/A

Relative:
Higher

Actual:
307 ft.

E MANIFEST:

Manifest Tracking Number:	023188006JJK
Last Updated Date:	20210913
Shipped Date:	20210729
Received Date:	20210805
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	VSQG
Generator Name:	Cima Network, Inc
Generator Location Street Number:	Not reported
Generator Location Street 1:	121 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	121 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD067098822
Designated Facility Name:	Cycle Chem, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	550 INDUSTRIAL DRIVE
Designated Facility Mail City:	LEWISBERRY
Designated Facility Mail Zip:	17339
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	550 INDUSTRIAL DRIVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	LEWISBERRY
Designated Facility Location Zip:	17339
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026131859JJK
Last Updated Date:	20240402
Shipped Date:	20240322
Received Date:	20240325
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network, Inc
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported

CIMA NETWORK, INC (Continued) **1028023356**

Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Gfl Environmental Services Usa Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	STE 200
Designated Facility Mail Street 2:	18927 HICKORY CREEK DR
Designated Facility Mail City:	MOKENA
Designated Facility Mail Zip:	60448-8590
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	150 W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	024439527JJK
Last Updated Date:	20221128
Shipped Date:	20221111
Received Date:	20221118
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Network Inc.
Generator Location Street Number:	121
Generator Location Street 1:	121 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	121
Generator Mail Street 1:	NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Environmental Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	150 W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	Not reported

CIMA NETWORK, INC (Continued) **1028023356**

Designated Facility Mail State:	PA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	150 W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	023459264JJK
Last Updated Date:	20220512
Shipped Date:	20220422
Received Date:	20220502
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Cima Networks, Inc.
Generator Location Street Number:	Not reported
Generator Location Street 1:	121 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	121 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Fielding Enviromental Llc
Designated Facility Mail Street Number:	150
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	W 4TH AVE
Designated Facility Mail City:	FREEDOM
Designated Facility Mail Zip:	15042
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	150
Designated Facility Location Street 1:	W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	023459264JJK
Transporter Line Number:	1
Transporter EPA ID:	PAD987271020
Transporter Name:	Elk Transportation Inc Dba Elk Environmental Services

CIMA NETWORK, INC (Continued) **1028023356**

Manifest Tracking Number: 023459264JJK
Transporter Line Number: 2
Transporter EPA ID: PAR000042341
Transporter Name: Eap Instustries Inc

Waste Line:
Manifest Tracking Number: 023459264JJK
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1263
U.S. DOT Description: Rq, Un1263, Waste Paint Related Material, 3, Pg Ii (D001)
Non-Hazardous Waste Description: Not reported
Number of Containers: 2
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 60
Quantity Unit of Measure Code: G
Quantity Unit of Measure Description: Gallons
Waste Quantity, in Tons: 0.2502085
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.2502085
Waste Quantity, in Kilograms: 226.94662
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 226.94662
Management Method Code: H141
Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y
Federal Waste Codes: D001, D035, F003, F005
Quantity Haz Kg: 226.94662
Quantity Haz Tons: 0.2502085
Quantity Non Haz Kg: 0
Quantity Non Haz Tons: 0
State Waste Codes: Not reported

G25 **COLORCON, INC. - NO TOX PRODUCTS DIV** **RCRA-SQG** **1006811172**
NNW **171 NEW BRITAIN BLVD** **E MANIFEST** **PAR000507731**
1/8-1/4 **CHALFONT, PA 18914** **PA AIRS**
0.202 mi. **PA MANIFEST**
1068 ft. **Site 1 of 3 in cluster G**

Relative: **Higher**
Actual: **342 ft.**

RCRA Listings:
Date Form Received by Agency: 20210907
Handler Name: Colorcon Inc No-Tox Facility
Handler Address: 171 New Britain Blvd

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Handler City,State,Zip:		CHALFONT, PA 18914-1833
EPA ID:		PAR000507731
Contact Name:		MIKE GILBERT
Contact Address:		171 NEW BRITAIN BLVD
Contact City,State,Zip:		CHALFONT, PA 18914-1833
Contact Telephone:		267-446-9276
Contact Fax:		Not reported
Contact Email:		MGILBERT@COLORCON.COM
Contact Title:		GM
EPA Region:		03
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Pa
State District:		1
Mailing Address:		171 NEW BRITAIN BLVD
Mailing City,State,Zip:		CHALFONT, PA 18914-1833
Owner Name:	Berwind Corp	
Owner Type:		Private
Operator Name:	Colorcon Inc	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20211221

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone
Waste Code:	F002
Waste Description:	The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F005
Waste Description:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

These Spent Solvents And Spent Solvent Mixtures.

Waste Code: P098
Waste Description: Potassium Cyanide (Or) Potassium Cyanide K(Cn)

Waste Code: U028
Waste Description: 1,2-Benzenedicarboxylic Acid, Bis(2-Ethylhexyl) Ester (Or) Diethylhexyl Phthalate

Waste Code: U112
Waste Description: Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: 171 NEW BRITTAIN BLVD
Owner/Operator City,State,Zip: CHALFONT, PA 18914
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COLORCON INC
Legal Status: Private
Date Became Current: 19611103
Date Ended Current: Not reported
Owner/Operator Address: 171 NEW BRITAIN BLVD
Owner/Operator City,State,Zip: CHALFONT, PA 18914-1833
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: COLORCON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	171 NEW BRITTAIN BLVD
Owner/Operator City,State,Zip:	CHALFONT, PA 18914
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: COLORCON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	171 NEW BRITTAIN BLVD
Owner/Operator City,State,Zip:	CHALFONT, PA 18914
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: COLORCON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	171 NEW BRITAIN BLVD
Owner/Operator City,State,Zip:	CHALFONT, PA 18914-1833
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NAPPEN & ASSOC	
Legal Status:	Private
Date Became Current:	20000401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: COLORCON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BERWIND CORP
Legal Status: Private
Date Became Current: 19780101
Date Ended Current: Not reported
Owner/Operator Address: 1500 MARKET ST
Owner/Operator City,State,Zip: PHILADELPHIA, PA 19102-2100
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COLORON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: 171 NEW BRITAIN BLVD
Owner/Operator City,State,Zip: CHALFONT, PA 18914-1833
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: 171 NEW BRITTAIN BLVD
Owner/Operator City,State,Zip: CHALFONT, PA 18914
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: 1936 WEST POINT PIKE
Owner/Operator City,State,Zip: WEST POINT, PA 19486
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COLORCON

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: COLORCON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: COLORON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: COLORON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: COLORCON	
Legal Status:	Private
Date Became Current:	20030601
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Owner/Operator Indicator: Operator
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COLORON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: 415 MOYER BLVD
Owner/Operator City,State,Zip: WEST POINT, PA 19486
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COLORCON
Legal Status: Private
Date Became Current: 20030601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20071109
Handler Name: COLORON NO-TOX PRODUCTS DIV
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20091204
Handler Name: COLORON NO-TOX PRODUCTS DIV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20121224
Handler Name: COLORON NO-TOX PRODUCTS DIV
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20201030
Handler Name: COLORCON NO-TOX PRODUCTS DIV
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20030303
Handler Name: COLORCON NO TOX PRODUCTION PLT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20061107
Handler Name: COLORCON NO TOX PROD PLT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Receive Date: 20210907
Handler Name: COLORCON INC NO-TOX FACILITY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20040301
Handler Name: COLORON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060220
Handler Name: COLORON NO-TOX PRODUCTS DIV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080226
Handler Name: COLORCON NO TOX PRODUCTS DIV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Pa
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32513
NAICS Description: Synthetic Dye And Pigment Manufacturing

NAICS Code: 325412

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

NAICS Description: Pharmaceutical Preparation Manufacturing

NAICS Code: 32591
NAICS Description: Printing Ink Manufacturing

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20180629
Actual Return to Compliance Date:	20180629
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20180629
Actual Return to Compliance Date:	20180629
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20180629
Actual Return to Compliance Date: 20180629
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20180629
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	DHA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20180629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Evaluation Date:	20180629
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	DHA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20180629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20180629
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	DHA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	20180629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170509
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	DHA
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160713
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	AJP
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	AJP

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110715
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	AJP
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100115
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	ATG
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071113
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	EJW
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061031
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	EJW
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Request Agency: Not reported
Former Citation: Not reported

E MANIFEST:

Manifest Tracking Number:	026387705JJK
Last Updated Date:	20240425
Shipped Date:	20240410
Received Date:	20240419
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc No-Tox Facility
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914-1833
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914-1833
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Gfl Environmental Services Usa Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	STE 200
Designated Facility Mail Street 2:	18927 HICKORY CREEK DR
Designated Facility Mail City:	MOKENA
Designated Facility Mail Zip:	60448-8590
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	150 W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026387706JJK
Last Updated Date:	20240503
Shipped Date:	20240410
Received Date:	20240416
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon, Inc. (No-Tox Products Div)
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN ROAD
Generator Location Street 2:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 New Britain Road
Generator Mail Street 2:	Not reported
Generator Mail City:	Chalfont
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD067098822
Designated Facility Name:	Cycle Chem, Inc.
Designated Facility Mail Street Number:	550
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	INDUSTRIAL DRIVE
Designated Facility Mail City:	LEWISBERRY
Designated Facility Mail Zip:	17339
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	550
Designated Facility Location Street 1:	INDUSTRIAL DRIVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	LEWISBERRY
Designated Facility Location Zip:	17339
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026388281JJK
Last Updated Date:	20240708
Shipped Date:	20240625
Received Date:	20240628
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc No-Tox Facility
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914-1833
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914-1833
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Gfl Environmental Services Usa Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	STE 200
Designated Facility Mail Street 2:	18927 HICKORY CREEK DR
Designated Facility Mail City:	MOKENA
Designated Facility Mail Zip:	60448-8590

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	150 W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026388921JJK
Last Updated Date:	20241022
Shipped Date:	20240925
Received Date:	20241001
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon, Inc. (No-Tox Products Div)
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN ROAD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN ROAD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD067098822
Designated Facility Name:	Cycle Chem, Inc.
Designated Facility Mail Street Number:	550
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	INDUSTRIAL DRIVE
Designated Facility Mail City:	LEWISBERRY
Designated Facility Mail Zip:	17339
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	550
Designated Facility Location Street 1:	INDUSTRIAL DRIVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	LEWISBERRY
Designated Facility Location Zip:	17339
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026388922JJK
Last Updated Date:	20241018
Shipped Date:	20240925
Received Date:	20241008
Manifest Status:	Signed
Submission Type:	DataImage5Copy

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc No-Tox Facility
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914-1833
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914-1833
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	MOD054018288
Designated Facility Name:	Green America Recycling Llc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	10107 HWY 79
Designated Facility Mail City:	HANNIBAL
Designated Facility Mail Zip:	63401-7859
Designated Facility Mail State:	MO
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	10107 HWY 79
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	HANNIBAL
Designated Facility Location Zip:	63401-7859
Designated Facility Location State:	MO
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026388923JJK
Last Updated Date:	20241015
Shipped Date:	20240925
Received Date:	20241009
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc No-Tox Facility
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914-1833
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914-1833
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Designated Facility Name:	Gfl Environmental Services Usa Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	STE 200
Designated Facility Mail Street 2:	18927 HICKORY CREEK DR
Designated Facility Mail City:	MOKENA
Designated Facility Mail Zip:	60448-8590
Designated Facility Mail State:	IL
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	150 W 4TH AVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	FREEDOM
Designated Facility Location Zip:	15042
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019349517JJK
Last Updated Date:	20181019
Shipped Date:	20181008
Received Date:	20181011
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	OHD066060609
Designated Facility Name:	Chemtron Corporation
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	35850 SCHNEIDER CT
Designated Facility Mail City:	AVON
Designated Facility Mail Zip:	44011
Designated Facility Mail State:	OH
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	35850 SCHNEIDER CT
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	AVON
Designated Facility Location Zip:	44011
Designated Facility Location State:	OH
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Manifest Tracking Number:	020226137JJK
Last Updated Date:	20190705
Shipped Date:	20190624
Received Date:	20190627
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	OHD066060609
Designated Facility Name:	Chemtron Corporation
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	35850 SCHNEIDER CT
Designated Facility Mail City:	AVON
Designated Facility Mail Zip:	44011
Designated Facility Mail State:	OH
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	35850 SCHNEIDER CT
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	AVON
Designated Facility Location Zip:	44011
Designated Facility Location State:	OH
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	020226509JJK
Last Updated Date:	20191002
Shipped Date:	20190919
Received Date:	20190926
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	OHD066060609
Designated Facility Name:	Chemtron Corporation
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	35850 SCHNEIDER CT
Designated Facility Mail City:	AVON
Designated Facility Mail Zip:	44011
Designated Facility Mail State:	OH
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	35850 SCHNEIDER CT
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	AVON
Designated Facility Location Zip:	44011
Designated Facility Location State:	OH
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	020226510JJK
Last Updated Date:	20191021
Shipped Date:	20190919
Received Date:	20190919
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon, Inc. - No Tox Products Div
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD067098822
Designated Facility Name:	Cycle Chem, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	550 INDUSTRIAL DRIVE
Designated Facility Mail City:	LEWISBERRY
Designated Facility Mail Zip:	17339
Designated Facility Mail State:	PA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	550 INDUSTRIAL DRIVE
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	LEWISBERRY

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Designated Facility Location Zip:	17339
Designated Facility Location State:	PA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	025165795JJK
Last Updated Date:	20230601
Shipped Date:	20230511
Received Date:	20230518
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PAR000507731
Generator Name:	Colorcon Inc
Generator Location Street Number:	Not reported
Generator Location Street 1:	171 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	171 NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	OHD066060609
Designated Facility Name:	Chemtron Corporation
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	35850 SCHNEIDER CT
Designated Facility Mail City:	AVON
Designated Facility Mail Zip:	44011
Designated Facility Mail State:	OH
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	35850 SCHNEIDER CT
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	AVON
Designated Facility Location Zip:	44011
Designated Facility Location State:	OH
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	025167567JJK
Transporter Line Number:	1
Transporter EPA ID:	PAD014146179
Transporter Name:	Eldredge Inc

Waste Line:

Manifest Tracking Number:	025167567JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

U.S. DOT ID Number:	UN1993
U.S. DOT Description:	Rq Un1993, Waste Flammable Liquids, N.O.S. (Ethyl Acetate, Ethanol), 3, Pgii
Non-Hazardous Waste Description:	Not reported
Number of Containers:	4
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	1240
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.62
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.62
Waste Quantity, in Kilograms:	562.35864
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	562.35864
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D035
Quantity Haz Kg:	562.35864
Quantity Haz Tons:	0.62
Quantity Non Haz Kg:	Not reported
Quantity Non Haz Tons:	Not reported
State Waste Codes:	Not reported

Manifest Tracking Number:	025167567JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1950
U.S. DOT Description:	Rq Un1950, Aerosols, 2.1
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	150
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.075
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.075
Waste Quantity, in Kilograms:	68.02725
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	68.02725

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	N
Federal Waste Codes:	Not reported
Quantity Haz Kg:	Not reported
Quantity Haz Tons:	Not reported
Quantity Non Haz Kg:	68.02725
Quantity Non Haz Tons:	0.075
State Waste Codes:	Not reported

Click this hyperlink while viewing on your computer to access
30 additional US EManifest: record(s) in the EDR Site Report.

AIRS:

Name:	COLORCON INC NO TOX PROD DIV/NEW BRITAIN
Address:	171 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914-1833
Address 2:	Not reported
Primary Facility ID:	630416
Contact Name:	Not reported
Contact Phone:	Not reported
Contact Email:	Not reported
Status:	Active
Region:	Not reported
Site ID:	606255
Client ID:	1851
Client Name:	COLORCON INC
NAICS Code:	325910
Client Address:	415 MOYER BLVD
Client Address 2:	Not reported
Client City:	WEST POINT
Client State:	PA
Client Zip:	19486-0024
Client Type:	NON-GOVERNMENT
NAICS Description:	Printing Ink Manufacturing
Permit Number:	09-00159
Municipality:	New Britain Twp
Authorization ID:	1500642
Authorization Type:	Minor Source Operating Permit
Application Type:	Modification
Received Date:	2024-09-25 00:00:00
Issued Date:	2024-11-13 00:00:00
Expiration Date:	2026-04-05 00:00:00
Latitude:	40.281389

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Longitude:	-75.249444
EMI:	
Facid:	630416
Facility Name:	Not reported
Year:	2017
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2010
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Facility Name:	Not reported
Year:	2009
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444

Facid:	630416
Facility Name:	Not reported
Year:	2005
PM10:	.0
PM25:	Not reported
NOX:	.1
SOX:	.0
VOC:	9.9
CO:	.0
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444

Facid:	630416
Facility Name:	Not reported
Year:	2015
PM10:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444

Facid:	630416
Facility Name:	Not reported
Year:	2007
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444

Facid:	630416
Facility Name:	Not reported
Year:	2013
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2006
PM10:	.0
PM25:	Not reported
NOX:	.1
SOX:	.0
VOC:	5.4
CO:	.0
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2008
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2003
PM10:	.0
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	9.1
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2016
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2011
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2004
PM10:	.2
PM25:	Not reported
NOX:	.6
SOX:	.0
VOC:	10.6
CO:	.4
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2014
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444
Facid:	630416
Facility Name:	Not reported
Year:	2012
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.281389
Longitude:	-75.249444

PA MANIFEST:

Name:	COLORCON INC - NO-TOX DIV
Address:	171 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914
Year:	2014
Manifest Number:	007816096FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	10/07/2014
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Hukill Chemical Corp
TSD Facility Address:	7013 Krick Rd
TSD Facility City:	Bedford
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	7
Container Type:	DM
Waste Quantity:	2800
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	OHD001926740
Date TSP Sig:	Not reported

Year:	2014
Manifest Number:	007816096FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	10/07/2014
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Hukill Chemical Corp
TSD Facility Address:	7013 Krick Rd
TSD Facility City:	Bedford
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D035

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Container Number:	7
Container Type:	DM
Waste Quantity:	2800
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	OHD001926740
Date TSP Sig:	Not reported
Year:	2014
Manifest Number:	007816096FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	10/07/2014
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Hukill Chemical Corp
TSD Facility Address:	7013 Krick Rd
TSD Facility City:	Bedford
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	7
Container Type:	DM
Waste Quantity:	2800
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	OHD001926740
Date TSP Sig:	Not reported
Year:	2014
Manifest Number:	007816096FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	10/07/2014
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Hukill Chemical Corp
TSD Facility Address:	7013 Krick Rd
TSD Facility City:	Bedford
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	7
Container Type:	DM
Waste Quantity:	2800
Unit:	P
Handling Code:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

TSP EPA ID:	OHD001926740
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003217041FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/18/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD
TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D035
Container Number:	8
Container Type:	DM
Waste Quantity:	440
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003217041FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/18/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD
TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	8
Container Type:	DM
Waste Quantity:	440
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported
Year:	2010
Manifest Number:	003217041FLE

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/18/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD
TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	8
Container Type:	DM
Waste Quantity:	440
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003217041FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/18/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD
TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	NONE
Container Number:	2
Container Type:	DM
Waste Quantity:	527
Unit:	P
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003213114FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	07/15/2010
Mailing Address:	Not reported
Contact Name:	Not reported

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD
TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	6
Container Type:	DM
Waste Quantity:	330
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003213114FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	07/15/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD
TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D035
Container Number:	6
Container Type:	DM
Waste Quantity:	330
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	003213114FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	07/15/2010
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-661-2510
TSD EPA ID:	ARD981057870
TSD Date:	Not reported
TSD Facility Name:	RINECO CHEMICAL INDUSTRIES
TSD Facility Address:	1007 VULCAN ROAD

COLORCON, INC. - NO TOX PRODUCTS DIV (Continued) **1006811172**

TSD Facility City:	BENTON
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	6
Container Type:	DM
Waste Quantity:	330
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	Not reported
Date TSP Sig:	Not reported

Click this hyperlink while viewing on your computer to access
103 additional PA MANIFEST: record(s) in the EDR Site Report.

G26 **COLORCON NO TOX PROD PLT** **FINDS** **1016058044**
NNW **171 NEW BRITAIN BLVD** **ECHO** **N/A**
1/8-1/4 **CHALFONT, PA 18914** **PFAS ECHO**
0.202 mi.
1068 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
342 ft.

FINDS:
Registry ID: 110014361859

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Pennsylvania's Department of Environmental Protection's (DEP) Environmental, Facility, Application, and Compliance Tracking System (PA-EFACTS) is a department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

COLORCON NO TOX PROD PLT (Continued) **1016058044**

ECHO:

Envid:	1016058044
Registry ID:	110014361859
DFR URL:	
Name:	COLORCON NO TOX PROD PLT
Address:	171 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914

PFAS ECHO:

Facility ID:	110014361859
Name:	Colorcon No Tox Prod Plt
Address:	171 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914
Latitude:	40.281237
Longitude:	-75.249418
Count:	1
County:	BUCKS
Status:	Active
Region:	03
Industry:	Chemical Mfg

ECHO Facility Report:

Facility Percent Minority:	19.899
Facility Derived Tribes:	-
Facility Population:	1711.46
EPA Programs:	CAA; RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	42017
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	02040201
Facility Derived WBD:	020402010202
Facility Derived CD113:	08
Facility Derived CB2010:	420171020031028
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	2
Facility Date Last Inspection:	1/24/2025
Facility Days Last Inspection:	57
Facility Informal Count:	0
Facility Date Last Informal Action:	8/17/2011
Facility Formal Action Count:	0
Facility Date Last Formal Action:	11/17/2004
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	11/17/2004
Facility Last Penalty AMT:	3,000
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	N
SDWIS Flag:	N

COLORCON NO TOX PROD PLT (Continued) **1016058044**

RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	PA000630416
CAA Permit Types:	Minor Emissions
CAA NAICS:	325910
CAA SICS:	2893
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	PAR000507731
RCRA Permit Types:	SQG
RCRA NAICS:	32591
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-

G27 **COLORCON NO TOX PRODUCTION PLT** **PA MANIFEST** **S116737047**
NNW **171 NEW BRITAIN BLVD** **N/A**
1/8-1/4 **CHALFONT, PA 18914**
0.202 mi.
1068 ft. **Site 3 of 3 in cluster G**

Relative: **Higher**

Actual: **342 ft.**

PA MANIFEST:

Name:	COLORCON NO TOX PRODUCTION PLT
Address:	171 NEW BRITAIN BLVD
City,State,Zip:	CHALFONT, PA 18914
Year:	2013
Manifest Number:	006004303FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/26/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Rineco Chemical Industries
TSD Facility Address:	1007 Vulcan Rd
TSD Facility City:	Benton
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	7
Container Type:	DM
Waste Quantity:	385
Unit:	G
Handling Code:	Not reported

COLORCON NO TOX PRODUCTION PLT (Continued) **S116737047**

TSP EPA ID:	ARD981057870
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006004303FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/26/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Rineco Chemical Industries
TSD Facility Address:	1007 Vulcan Rd
TSD Facility City:	Benton
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F003
Container Number:	7
Container Type:	DM
Waste Quantity:	385
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	ARD981057870
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006004303FLE
Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/26/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Rineco Chemical Industries
TSD Facility Address:	1007 Vulcan Rd
TSD Facility City:	Benton
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D035
Container Number:	7
Container Type:	DM
Waste Quantity:	385
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	ARD981057870
Date TSP Sig:	Not reported
Year:	2013
Manifest Number:	006004303FLE

COLORCON NO TOX PRODUCTION PLT (Continued) **S116737047**

Manifest Type:	T
Generator EPA ID:	PAR000507731
Generator Date:	03/26/2013
Mailing Address:	Not reported
Contact Name:	Not reported
Contact Phone:	215-616-6275
TSD EPA ID:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Rineco Chemical Industries
TSD Facility Address:	1007 Vulcan Rd
TSD Facility City:	Benton
TSD Facility State:	AR
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F005
Container Number:	7
Container Type:	DM
Waste Quantity:	385
Unit:	G
Handling Code:	Not reported
TSP EPA ID:	ARD981057870
Date TSP Sig:	Not reported

28
NNW
1/8-1/4
0.225 mi.
1188 ft.

PDM CONSTRUCTORS **E MANIFEST** **1031661770**
180 NEW BRITAIN BLVD **N/A**
CHALFONT, PA 18914

Relative:
Higher

Actual:
341 ft.

E MANIFEST:

Manifest Tracking Number:	026388518JJK
Last Updated Date:	20240913
Shipped Date:	20240805
Received Date:	20240809
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	VSQG
Generator Name:	Pdm Constructors
Generator Location Street Number:	180
Generator Location Street 1:	180 NEW BRITAIN BLVD
Generator Location Street 2:	Not reported
Generator Location City:	CHALFONT
Generator Location State:	PA
Generator Location Zip:	18914
Generator Mail Street Number:	180
Generator Mail Street 1:	NEW BRITAIN BLVD
Generator Mail Street 2:	Not reported
Generator Mail City:	CHALFONT
Generator Mail Zip:	18914
Generator Mail State:	PA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PAD000797548
Designated Facility Name:	Gfl Environmental Services Usa Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	STE 200
Designated Facility Mail Street 2:	18927 HICKORY CREEK DR

PDM CONSTRUCTORS (Continued) **1031661770**

Designated Facility Mail City: MOKENA
Designated Facility Mail Zip: 60448-8590
Designated Facility Mail State: IL
Designated Facility Location Street Number: Not reported
Designated Facility Location Street 1: 150 W 4TH AVE
Designated Facility Location Street 2: Not reported
Designated Facility Location City: FREEDOM
Designated Facility Location Zip: 15042
Designated Facility Location State: PA
Designated Facility Contact Company Name: Not reported
Manifest Residue Indicator: N
Rejection Indicator: N

Transporter:
Manifest Tracking Number: 026388518JJK
Transporter Line Number: 1
Transporter EPA ID: PAD014146179
Transporter Name: Eldredge Inc

Waste Line:
Manifest Tracking Number: 026388518JJK
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1325
U.S. DOT Description: Rq Un1325, Waste Flammable Solids, Organic, N.O.S. (Xylene, Ethanol), 4.1, Pgii
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 50
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.025
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.025
Waste Quantity, in Kilograms: 22.67575
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 22.67575
Management Method Code: H141
Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y
Federal Waste Codes: D001, F003

PDM CONSTRUCTORS (Continued) **1031661770**

Quantity Haz Kg:	22.67575
Quantity Haz Tons:	0.025
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported

H29 **MCCOY RES** **PA UNREG LTANKS** **S102927332**
NNW **78 TREWIGTON RD** **N/A**
1/4-1/2 **NEW BRITAIN TWP., PA**
0.285 mi.
1503 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
342 ft.

UNREG LTANKS:

Region:	South East
Contaminant:	FUEL OIL #2
Closed:	**Not reported**
Class:	Cleanup of Tanks using authorities other than Act 32

Region:	South East
Contaminant:	PAH's
Closed:	**11/19/1997**
Class:	Cleanup of Tanks using authorities other than Act 32

H30 **MCCOY RES** **PA VCP** **S106983569**
NNW **78 TREWIGTON RD** **PA LAND REC CLEANUP** **N/A**
1/4-1/2 **LINE LEXINGTON, PA 18932**
0.291 mi.
1537 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
342 ft.

VCP:

Name:	MCCOY RES
Address:	78 TREWIGTON RD
City,State,Zip:	LINE LEXINGTON, PA 18932

Activity:

Activity ID:	620469,

Cleanup Records:

Municipality:	New Britain Twp
Region:	Southeast Region
Category Desc:	PAH
Type:	Complete Sites
LRP Activity Number:	7551
Remediation:	Statewide Health Standard
Activity:	NO
Date Approved:	11/19/1997
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Soil
Latitude:	40.283333
Longitude:	-75.25

LAND REC CLEANUP:

Facility ID:	620469
Name:	MCCOY RES
Address:	78 TREWIGTON RD

MCCOY RES (Continued) **S106983569**

City,State,Zip:	LINE LEXINGTON, PA 18932
Site ID:	596276
Site Name:	MCCOY RES
Primary Facility Status:	ACTIVE
Client ID:	0
Organization Name:	Unavailable
Client Name:	Unavailable
Sub Facility Name:	MCCOY RES-SOIL
Sub Facility ID:	738429
Primary Facility Type:	LAND RECYCLING CLEANUP LOCATION
Primary Facility Kind:	Unavailable
Other Facility ID:	1-9-932-26570
Sub Facility Type:	SOIL MEDIA
S Other ID:	738429
Client Relationship:	Owner
Site Status:	ACTIVE
Sub Facility Status:	Unavailable
Compliance:	YES

Facility ID:	620469
Name:	MCCOY RES
Address:	78 TREWIGTON RD
City,State,Zip:	LINE LEXINGTON, PA 18932
Site ID:	596276
Site Name:	MCCOY RES
Primary Facility Status:	ACTIVE
Client ID:	0
Organization Name:	Unavailable
Client Name:	Unavailable
Sub Facility Name:	MCCOY RES-SURF
Sub Facility ID:	738432
Primary Facility Type:	LAND RECYCLING CLEANUP LOCATION
Primary Facility Kind:	Unavailable
Other Facility ID:	1-9-932-26570
Sub Facility Type:	SURFACE WATER MEDIA
S Other ID:	738432
Client Relationship:	Owner
Site Status:	ACTIVE
Sub Facility Status:	Unavailable
Compliance:	YES

I31 **WEBCRAFT TECH CHALFONT** **UST FINDER** **1028649695**
SSE **4371 COUNTY LINE RD** **UST FINDER RELEASE** **N/A**
1/4-1/2 **CHALFONT, PA**
0.298 mi.
1576 ft. **Site 1 of 2 in cluster I**

Relative: **Higher**
Actual: **292 ft.**

UST FINDER:

Object ID:	367511
Facility ID:	PA236734
Name:	WEBCRAFT TECH CHALFONT
Address:	4371 COUNTY LINE RD
City,State,Zip:	CHALFONT, PA
Address Match Type:	PointAddress
Open USTs:	0
Closed USTs:	2
TOS USTs:	0
Population 1500ft:	114

WEBCRAFT TECH CHALFONT (Continued) **1028649695**

Private Wells 1500ft:	4
Within 100yr Floodplain:	No
Land Use:	Developed, Open Space
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	3
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-75.24096733
Y Coord:	40.2731701500001
Latitude:	40.27317015
Longitude:	-75.24096733

UST FINDER:

Object ID:	1589710
Facility ID:	PA236734
Tank ID:	PA612270 - 001
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	300
Substances:	Diesel Fuel
Tank Wall Type:	Not reported

Object ID:	1589711
Facility ID:	PA236734
Tank ID:	PA612272 - 002
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	5000
Substances:	Heating Oil
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	343727
Facility ID:	PA583595
Lust ID:	PA7539
Name:	WEBCRAFT TECH CHALFONT
Address:	4371 COUNTY LINE RD
City,State,Zip:	CHALFONT, PA 0
Address Match Type:	Not reported
Reported Date:	1993/12/15 15:59:59+00
Status:	No Further Action
Substance:	GAS
Population within 1500ft:	59

WEBCRAFT TECH CHALFONT (Continued) **1028649695**

Domestic Wells within 1500ft:	5
Land Use:	Developed, Medium Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	3
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	State
X Coord:	-75.2391699999999
Y Coord:	40.2777800000001
Latitude:	40.27778
Longitude:	-75.23917

I32 **VERTIS DIRECT MARKETING CHALFONT FAC** **PA LUST S107692583**
SSE **4371 COUNTY LINE RD** **PA VCP N/A**
1/4-1/2 **CHALFONT, PA 18914** **PA AIRS**
0.298 mi. **PA MANIFEST**
1576 ft. **Site 2 of 2 in cluster I** **PA NPDES**
PA LAND REC CLEANUP

Relative:
Higher

Actual:
292 ft.

LUST:

Name:	WEBCRAFT TECH CHALFONT
Address:	4371 COUNTY LINE RD
City,State,Zip:	CHALFONT, PA 18914-1825
Region:	EP SE Rgnl Off Norristown
Municipality:	New Britain Twp
Facility Id:	583595
Facility Type:	Underground Storage Tank Containing Petroleum
Facility Status:	**Cleanup Completed**
Status Date:	06/01/1995
Confirmed Date:	12/15/1993
Program Other Id:	09-45476
Client:	WEBCRAFT INC
Incident Id:	7539
Incident Desc:	09-45476 WEBCRAFT TECH
Suspect Date:	Not reported
Source Of Notification:	INSTL
Release Discovered:	CLOS
Source Cause Of Release:	INFNP
Tank:	Not reported
Impact Desc:	Soil
Substance:	Diesel Fuel
CAS RN:	Not reported
Chemical:	Not reported

Comments: Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 40.277778
Longitude: -75.239167

VCP:
Name: QUAD GRAPHICS
Address: 4371 COUNTY LINE RD
City,State,Zip: CHALFONT, PA 18914-1825

Activity:
Activity ID: 825147,

Cleanup Records:
Municipality: New Britain Twp
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Complete Sites
LRP Activity Number: 53062
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 09/22/2021
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: Not reported
Longitude: Not reported

AIRS:
Name: QUAD GRAPHICS MARKETING LLC/CHALFONT
Address: 4371 COUNTY LINE RD
City,State,Zip: CHALFONT, PA 18914-1825
Address 2: Not reported
Primary Facility ID: 238848
Contact Name: Not reported
Contact Phone: Not reported
Contact Email: Not reported
Status: Active
Region: Not reported
Site ID: 236734
Client ID: 288267
Client Name: QUAD GRAPHICS MKT INC
NAICS Code: 323111
Client Address: 855 CAPERTON BLVD
Client Address 2: Not reported
Client City: MARTINSBURG
Client State: WV
Client Zip: 25403-8000
Client Type: NON-GOVERNMENT
NAICS Description: Commercial Printing (except Screen and Books)
Permit Number: 09-00009
Municipality: New Britain Twp
Authorization ID: 1389394
Authorization Type: Major Facility Operating Permit
Application Type: Renewal
Received Date: 2022-03-23 00:00:00

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Issued Date:	2023-06-07 00:00:00
Expiration Date:	2028-06-06 00:00:00
Latitude:	40.271428
Longitude:	-75.236406

EMI:

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2,4-Trimethylbenzene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2-Ethanediol
Emission Amt(In Tons):	0.14000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	2-Butoxyethanol
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	2-Methylnaphthalene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	3-Methylcholanthrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	7,12-Dimethylbenz(a)-anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Acenaphthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Acenaphthylene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Ammonia
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Arsenic
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Barium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name: QUAD GRAPHICS MKT INC
NAICS Code: 323111
NAICS Desc: Commercial Printing (except Screen and Books)
NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported
Facility Type: Non-Oil and Gas
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Benz(a)anthracene
Emission Amt(In Tons): 0.00000
Latitude: 40.271428
Longitude: -75.236406

Facid: 238848
Facility Name: QUAD GRAPHICS MARKETING LLC/CHALFONT
Year: 2023
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Bucks
Municipality: New Britain Township
DEP Region: 4100
Client ID: 288267
Client Name: QUAD GRAPHICS MKT INC
NAICS Code: 323111
NAICS Desc: Commercial Printing (except Screen and Books)
NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported
Facility Type: Non-Oil and Gas
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Benzene
Emission Amt(In Tons): 0.00000
Latitude: 40.271428
Longitude: -75.236406

Facid: 238848
Facility Name: QUAD GRAPHICS MARKETING LLC/CHALFONT
Year: 2023
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Bucks
Municipality: New Britain Township
DEP Region: 4100
Client ID: 288267
Client Name: QUAD GRAPHICS MKT INC
NAICS Code: 323111
NAICS Desc: Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(a)pyrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(b)fluoranthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(g,h,i)perylene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(k)fluoranthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Beryllium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Butane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Cadmium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Carbon Dioxide
Emission Amt(In Tons):	898.58000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Carbon Monoxide
Emission Amt(In Tons):	0.58000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Chromium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Chrysene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Copper
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Dibenzo(a,h)anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Diethylene glycol, monobutyl ether
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Ethane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Fluoranthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Fluorene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Formaldehyde
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Glycol Ethers
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Hexane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Indeno-1,2,3-cd-pyrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Isopropylbenzene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Lead
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Manganese
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Mercury
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Methane
Emission Amt(In Tons):	0.02000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Molybdenum
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Naphthalene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	n-Butane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	n-Hexane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nickel
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nitrogen Oxides
Emission Amt(In Tons):	0.70000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nitrous Oxide (N2O)
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	n-Pentane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter < 10 Microns
Emission Amt(In Tons):	0.05000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter < 2.5 Microns
Emission Amt(In Tons):	0.05000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter, Condensable
Emission Amt(In Tons):	0.05000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Pentane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Phenanthrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Propane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Pyrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Selenium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Sulfur Dioxide
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Sulfur Oxides
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Toluene
Emission Amt(In Tons):	0.01000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Vanadium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Vinyl Acetate
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Volatile Organic Compounds
Emission Amt(In Tons):	12.73000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Xylenes (Isomers And Mixture)
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2023
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Zinc
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2,4-Trimethylbenzene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2-Ethanediol
Emission Amt(In Tons):	0.45000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	2-Butoxyethanol
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	2-Methylnaphthalene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	3-Methylcholanthrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	7,12-Dimethylbenz(a)-anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Acenaphthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Acenaphthylene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Ammonia
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Arsenic
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Barium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benz(a)anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(a)pyrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(b)fluoranthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(g,h,i)perylene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Benzo(k)fluoranthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Beryllium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Butane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Cadmium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Carbon Dioxide
Emission Amt(In Tons):	1,902.74000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Carbon Monoxide
Emission Amt(In Tons):	1.17000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Chromium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Chrysene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Copper
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Dibenzo(a,h)anthracene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Diethylene glycol, monobutyl ether
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Ethane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Fluoranthene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Fluorene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Formaldehyde
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Glycol Ethers
Emission Amt(In Tons):	0.00000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Hexane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Indeno-1,2,3-cd-pyrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Isopropylbenzene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Lead
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Manganese
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Mercury
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Methane
Emission Amt(In Tons):	0.04000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Molybdenum
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Naphthalene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	n-Butane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	n-Hexane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nickel
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nitrogen Oxides
Emission Amt(In Tons):	1.59000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nitrous Oxide (N2O)
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	n-Pentane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter < 10 Microns
Emission Amt(In Tons):	0.12000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Particulate Matter < 2.5 Microns
Emission Amt(In Tons):	0.12000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter, Condensable
Emission Amt(In Tons):	0.12000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Pentane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Phenanthrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Propane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Pyrene
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Selenium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Sulfur Dioxide
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Sulfur Oxides
Emission Amt(In Tons):	0.03000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Toluene
Emission Amt(In Tons):	0.05000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Vanadium
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Vinyl Acetate
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Volatile Organic Compounds
Emission Amt(In Tons):	28.68000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Xylenes (Isomers And Mixture)
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Zinc
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	Not reported
Year:	1994
PM10:	.0
PM25:	Not reported
NOX:	1.7
SOX:	.5
VOC:	16.0
CO:	.4
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	1996
PM10:	.2
PM25:	Not reported
NOX:	5.0
SOX:	1.1
VOC:	18.1
CO:	.0
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	1999
PM10:	.1
PM25:	Not reported
NOX:	4.3
SOX:	.0
VOC:	18.9
CO:	.6
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	2005
PM10:	.0
PM25:	Not reported
NOX:	2.8
SOX:	.1
VOC:	28.0
CO:	2.3
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	2007
PM10:	.0
PM25:	Not reported
NOX:	2.2
SOX:	.0
VOC:	24.3
CO:	1.8
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	2010
PM10:	.1
PM25:	Not reported
NOX:	2.0
SOX:	.0
VOC:	21.9
CO:	1.6
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	2014
PM10:	.2
PM25:	Not reported
NOX:	2.4
SOX:	.0
VOC:	25.7
CO:	1.7
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	2016
PM10:	.1
PM25:	Not reported
NOX:	1.7
SOX:	.0
VOC:	22.2
CO:	1.4
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848
Facility Name:	Not reported
Year:	2004
PM10:	.0
PM25:	Not reported
NOX:	3.0
SOX:	.0
VOC:	32.0
CO:	2.5
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406
Facid:	238848

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Name:	Not reported
Year:	2013
PM10:	.2
PM25:	Not reported
NOX:	2.5
SOX:	.0
VOC:	29.4
CO:	1.8
County:	Not reported
Municipality:	Not reported
DEP Region:	Not reported
Client ID:	Not reported
Client Name:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Not reported
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Not reported
Emission Amt(In Tons):	Not reported
Latitude:	40.271428
Longitude:	-75.236406

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Butane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Carbon Dioxide
Emission Amt(In Tons):	98.64000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Carbon Monoxide
Emission Amt(In Tons):	0.07000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Ethane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Formaldehyde
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Hexane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Nitrogen Oxides
Emission Amt(In Tons):	0.08000
Latitude:	40.271428
Longitude:	-75.236406000000002

Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter < 10 Microns
Emission Amt(In Tons):	0.01000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Particulate Matter < 2.5 Microns
Emission Amt(In Tons):	0.01000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported
Facility Type: Non-Oil and Gas
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Particulate Matter, Condensable
Emission Amt(In Tons): 0.01000
Latitude: 40.271428
Longitude: -75.236406000000002

Facid: 238848
Facility Name: QUAD GRAPHICS MARKETING LLC/CHALFONT
Year: 2022
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Bucks
Municipality: New Britain Township
DEP Region: 4100
Client ID: 288267
Client Name: QUAD GRAPHICS MKT INC
NAICS Code: 323111
NAICS Desc: Commercial Printing (except Screen and Books)
NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported
Facility Type: Non-Oil and Gas
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Pentane
Emission Amt(In Tons): 0.00000
Latitude: 40.271428
Longitude: -75.236406000000002

Facid: 238848
Facility Name: QUAD GRAPHICS MARKETING LLC/CHALFONT
Year: 2022
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Bucks
Municipality: New Britain Township
DEP Region: 4100
Client ID: 288267
Client Name: QUAD GRAPHICS MKT INC
NAICS Code: 323111
NAICS Desc: Commercial Printing (except Screen and Books)
NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Propane
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	Sulfur Oxides
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2022
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Pollutant:	Volatile Organic Compounds
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2013
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2-Ethanediol
Emission Amt(In Tons):	0.20000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2014
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2-Ethanediol
Emission Amt(In Tons):	0.37000
Latitude:	40.271428

VERTIS DIRECT MARKETING CHALFONT FAC (Continued) **S107692583**

Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2015
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2-Ethanediol
Emission Amt(In Tons):	0.01000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848
Facility Name:	QUAD GRAPHICS MARKETING LLC/CHALFONT
Year:	2016
PM10:	Not reported
PM25:	Not reported
NOX:	Not reported
SOX:	Not reported
VOC:	Not reported
CO:	Not reported
County:	Bucks
Municipality:	New Britain Township
DEP Region:	4100
Client ID:	288267
Client Name:	QUAD GRAPHICS MKT INC
NAICS Code:	323111
NAICS Desc:	Commercial Printing (except Screen and Books)
NAICS Category:	Not reported
Permit Number:	Not reported
Spud Date:	Not reported
Facility Type:	Non-Oil and Gas
Compression Station Type:	Not reported
Source Type:	Not reported
Pollutant:	1,2-Ethanediol
Emission Amt(In Tons):	0.00000
Latitude:	40.271428
Longitude:	-75.236406000000002
Facid:	238848