

ENVIRONMENTAL CHARACTERIZATION
PROGRESS REPORT

**United Tire Service
(East Penn Tire and Battery)
4094 Chestnut Street
Emmaus, Pennsylvania 18049
Facility ID# 39-27735
USTIF # 20180151**

Submitted To:

Mr. Kevin Wachter
United Tire Service
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Emmaus, PA 18049

Mr. Albert Mabus
Pennsylvania Department of
Environmental Protection
Northeast Regional Office
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Wilkes Barre 18701-1915

ICF c/o
Mr. Mark Bedle
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PO Box 70
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Prepared By:

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St. Peters, Pennsylvania 19470
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Project No. WACHTER--002

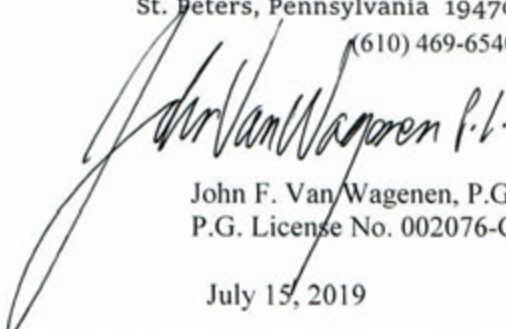

John F. Van Wagenen, P.G.
P.G. License No. 002076-G
July 15, 2019

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1.0 INTRODUCTION

This environmental characterization progress report details the site background and investigative methods implemented at the subject property to date in order to perform an environmental characterization pursuant to PA code Chapter 245. The site characterization was performed at the United Tire Service (aka East Penn Tire and Battery) facility located at 4094 Chestnut Street, Emmaus, Pennsylvania (Facility ID# 39-27735) pursuant to correspondence from the Pennsylvania Department of Environmental Protection (PADEP) dated September 18, 2018 and June 10, 2019.

2.0 PROPERTY DESCRIPTION/HISTORY

The subject property is the United Tire Service (UTS) facility located at 4094 Chestnut Street, Emmaus, Pennsylvania (Facility ID# 39-27735), Upper Milford Township, Lehigh County, Pennsylvania (Figures 1 and 2). The subject facility is currently comprised of approximately one acre of land with two buildings, a storage shed and a small building for LP gas, which are utilized as a tire and automotive repair facility and tire storage building. There is one steel aboveground storage tank (300 to 500 gallons) utilized for storage of waste oil located at the rear of the main facility building.

The following summarizes known site historical use and underground storage tank (UST) system conditions/regulatory actions.

- May 20-25, 1993: Four steel underground storage tanks (three gasoline and one kerosene) were removed from the property, known as Fulmers Garage by Boyco Petroleum. The tank closure report is provided in Appendix A. The report indicates that impacted soil encountered during the tank closures was remediated. A total of 33 soil samples were collected for analysis of BTEX (benzene, toluene, ethylbenzene and xylene) and TPH (total petroleum hydrocarbons, EPA method 418.1). The closure report indicates that the soil samples collected at a depth of six feet below the tanks were clean and that groundwater was not encountered. Further detailed information is difficult to assess from the historic closure report. A search on EFACTS did not indicate any records for the subject facility (ID # 39-27735).
- Late 1993: The underground storage tank system which was removed by Coventry Environmental Associates, Inc. (CEA) in 2018 (see closure report in Appendix A) was installed. The UST system was comprised of three 6,000 gallon steel USTs with fiberglass lines and two dispensers (unleaded gasoline).

- 2001: Property was purchased by Kevin Wachter, the current owner of United Tire Service (UTS). Property is utilized as a retail gasoline service station in addition to automotive tire sales and repair.
- August 28, 2018: The existing three 6,000 gallon USTs containing unleaded gasoline were closed by removal of the complete system (tanks, lines and dispensers) by CEA, Inc. One water sample collected in the tank excavation indicated low level dissolved phase impact by petroleum hydrocarbons exceeding the PADEP standards and requiring a site characterization pursuant to PADEP correspondence dated September 18, 2018 (incident # 52370).

3.0 NATURE OF RELEASE

Three 6,000 gallon steel (single wall fiberglass lined) underground storage tanks (USTs) containing unleaded gasoline were removed from one excavation at the subject property in August, 2018. Soil/groundwater samples were collected from the excavation and analyzed for the PADEP short list parameters for unleaded gasoline. The post excavation soil and groundwater sample results indicated all results were below the applicable standards with the exception of low level dissolved phase impact by 1,2,4 trimethylbenzene (2,090 ppb) and 1,3,5 trimethylbenzene (538 ppb) and naphthalene (157 ppb) to the water in the gasoline UST excavation (documented in the site closure report in Appendix A), which exceeded the PADEP residential groundwater standards of 15 (parts per billion) ppb (62 ppb, non-residential), 420 ppb (1,200 ppb, non-residential) and 100 ppb, respectively. The PADEP issued correspondence dated September 18, 2018 requiring a Site Environmental Characterization (SCR). There was no obvious leak location in the UST system and historical records do not indicate a known release from the tank system removed in 2018. It should be noted that one soil sample (SS-4) detected the presence of 1,2 4 trimethylbenzene and 1,3 5 trimethylbenzene which was collected at the fuel line joint.

4.0 GEOLOGY

Based on published literature (Geologic Map of Pennsylvania, PA Topographic and Geologic Survey, 1980) and borehole logging during monitoring well installation, the bedrock at the site is comprised of gray dolomite with shale interbeds of the Cambrian, Leithsville Formation (Figure 3). Competent bedrock, was not encountered during monitoring well installation to a depth of approximately 50 feet bgs. It should be noted that a residential housing development with associated excavation is located on a topographic high approximately 400 feet east of the site. Bedrock excavated at this location is comprised of quartzite of the Hardyston Formation. Due to the lack of nearby bedrock exposure and absence of mapped structural data, the bedrock structural conditions in the site vicinity are not well known. Competent bedrock was not encountered during borehole installation to a depth of approximately 50 feet bgs. Materials overlying the competent bedrock have been completely weathered to a tan silt and clay.

5.0 HYDROGEOLOGY

The closest surface water body to the site is a small tributary stream to the Little Lehigh Creek located approximately 150 feet west of the subject property. Topographic gradient at the site exhibits a slight downward gradient to the northwest toward this tributary stream.

On April 25 and 26, CEA installed a total of three monitoring wells (air rotary and hollow stem auger drilling methods). Based on drilling observation, it appeared that the depth to the groundwater table was substantial and upon discussion with the PADEP, it was decided that the depth of the monitoring wells would be limited to 50 feet (see Appendix D for drilling logs). Upon completion of the monitoring wells, however, it was determined that the water table had been intercepted. The depth to the water table measured in the wells on two occasions in May, 2019 ranged from 47.40 to 50.70 feet below top of PVC casing. Consequently, the top of PVC casing in each well was surveyed by CEA to a common on-site datum and the depth to the water level in each well was measured on two occasions. Table 1 summarizes the groundwater depth measurements and well elevation data on May 9 and May 21, 2019.

The above data was utilized to calculate water table elevations in each well and thereby determine the direction of groundwater flow across the site. The direction of the groundwater flow based on the water level data is shown on Figures 4.0 and 5.0. Determination of the groundwater flow direction at the site based on the available data indicates that the general component of flow is to the southeast. It should be noted that this direction is not coincident with topography and the area surface drainage system. In addition, it should be noted that the water detected in the tank excavation was a perch condition and it appears likely that the nearby stream is a losing stream. It should be emphasized that additional groundwater data is required to confirm the flow direction at the project site. Furthermore, while a professional survey of the wells has not been completed to date (in process), given the significantly lower depth to the water table measured in MW-1, determination of flow direction is not likely to change.

6.0 GROUNDWATER QUALITY

Following well installation, a limited quantity of water was purged from all site monitoring wells and a groundwater sample was collected within the upper two feet of the water column from each well utilizing new, dedicated polyethylene bailers on two occasions (May 9, 2109 and May 21, 2019) and immediately placed in laboratory provided, sterile containers and delivered to ALS Laboratories, Inc. in an iced cooler for analysis. The water samples were analyzed for the PADEP-UST required parameters for unleaded gasoline parameters. MW-1 was not sampled on May 21, 2019 due to insufficient quantity of water.

Analytical results of the groundwater samples are summarized in tables 2.0 and 3.0 (see Appendix E). Review of the data indicates that groundwater from MW-1 (downgradient of the former gasoline USTs) exceeds the residential statewide health standards for benzene, toluene, ethylbenzene, MTBE, 1,2,4 trimethylbenzene and 1,3,5 trimethylbenzene. It should be emphasized that additional groundwater quality data is required which is collected from deeper monitoring wells to confirm the quality of groundwater at the site.

7.0 RECEPTOR EVALUATION

The general site area surrounding the subject property is comprised of mixed residential and commercial properties. The field reconnaissance map and site photographs are provided in Appendix B. There were no readily apparent off site properties (immediate vicinity) of concern relative to the subject site investigation. The following provides a discussion of the possible sensitive receptors at the subject property via potential exposure pathways.

Groundwater Supply Wells: Based on a well search performed by Envirosearch (Appendix C), site reconnaissance by CEA, discussion with the property owner, and discussion with a representative of Upper Milford Township (Kyle Walbert) the subject property and site vicinity is served by private groundwater supply wells for a potable source of water. Non community public supply wells identified by the Envirosearch search within a one quarter mile radius of the site include:

- Louies Bakery (ID 3), 0.104 miles NE (4033 Chestnut St.).
- Lehigh Valley Baptist Church (ID A), 0.123 miles NNW direction. Non-compliance primarily for inorganic compounds. Well #1 is 215 feet deep with 182 feet of casing (170 feet to bedrock). Well #2 is 157 feet deep with 69 feet to static water level.
- Clemens Food Group (ID 5), 0.126 miles N direction. Non-compliance for several volatile organic, inorganic and microbial compounds. Well depth is 142 feet with a static water level of 35 feet.
- Elite Sports Academy (ID A7), 0.131 NNW direction. Non-compliance for inorganics and microbial compounds. Well is 180 feet deep with 60 feet of casing (50 foot static water level).
- Big Woodys (ID 12), 0.246 miles NE direction (3941 Chestnut St.).
- It should be noted that Buckeye pipeline is located at a distance of 0.517 Miles, west direction (non-community system) and has reported non-compliance with numerous volatile organic compounds.

The closest connection to the public water supply line is located at the intersection of Allen Street and Indian Creek Road, approximately 3,000 feet north of the site. The township representative indicated that there are plans to extend the line to the new residential development currently under construction to the east of the site within two years. He was not aware of any problems with the groundwater supply wells in the site vicinity and indicated that there is no ordinance limiting or excluding the installation/use of private groundwater supply wells. However, the housing development in the area of Mink Road located approximately 600 feet southeast of the site is served by the Lehigh County Water Authority (LCWA). LCWA was contacted (Andrew Moore) by CEA and has indicated that the authority utilizes two wells which are located approximately 0.6 miles southeast of the subject location. CEA has been authorized to collect a water sample from the wells on July 15, 2019.

The subject site utilizes a groundwater supply well (well head below grade) reported to be located approximately 50 feet northwest from the rear of the main facility building (approximately 120 feet west of the former UST field). The property owner has indicated no water quality problems with the site water supply and recent sampling of the well has indicated the absence of impact (PADEP UST unleaded gasoline parameters, Appendix E). Based on current information, the nearest groundwater withdrawal well identified off-site, is a private residential supply well located adjacent to the site to the west of the project area. Pursuant to PADEP technical regulations, CEA has canvassed the area surrounding the site for private wells (see extent of survey in Figure 6.0). One private well located at 4050 Miller Ave (immediately north of the site) has been sampled for PADEP –UST unleaded gasoline parameters (EPA Method 524.2) and resulting analytical data indicated the presence of 4.3 parts per billion (ppb) of methyl tertiary butyl ether (MTBE). Consequently, a bottled water service has been delivered to the well owner (Tim Anger) and a granular activated carbon (GAC) treatment system is planned to be installed on July 17, 2019. Several survey forms have been returned to CEA and the wells are planned to be

sampled on Monday, July 15, 2019. In addition, a door to door survey of properties in the immediate site vicinity will be performed by CEA on July 15, 2019.

Volatile Organic Vapors: The site commercial buildings do not have basement areas. Area residences will likely have basements and the potential exists for vapor intrusion into living spaces. However, based on the available information, the concern for impact to indoor air quality is very limited. Should the resulting investigative data indicate that a soil vapor intrusion investigation is warranted, then the necessary soil vapor investigation will be implemented pursuant to the applicable regulations.

Soil: Impacted soil exceeding the PADEP standards was not encountered during the UST closure. However, based on the PID readings (up to 443 units) measured during monitoring well installation and groundwater quality impact, CEA recommends the implementation of a soil quality investigation program.

Surface Water: A small tributary stream is located in the site vicinity. Based on the findings of the initial site characterization, no concern for impact to the stream is apparent.

Ecological Exposure: There is no readily apparent concern for impact to ecological receptors.

8.0 PROPOSED ADDITIONAL INVESTIGATION

Based on the PID readings and groundwater quality impact detected at the site CEA proposes to conduct an assessment of soil quality at the site utilizing hydraulic geoprobe equipment and/or auger drilling method. Soil samples from each boring indicating the highest PID reading and on the bottom of each boring will be submitted for laboratory analysis of PADEP unleaded gasoline parameters. Boring depth will be limited to 30 feet unless PID readings indicate that the boring needs to be advanced deeper. Figure 2 shows the proposed soil boring locations; additional borings will be advanced if warranted based on the findings of each boring log.

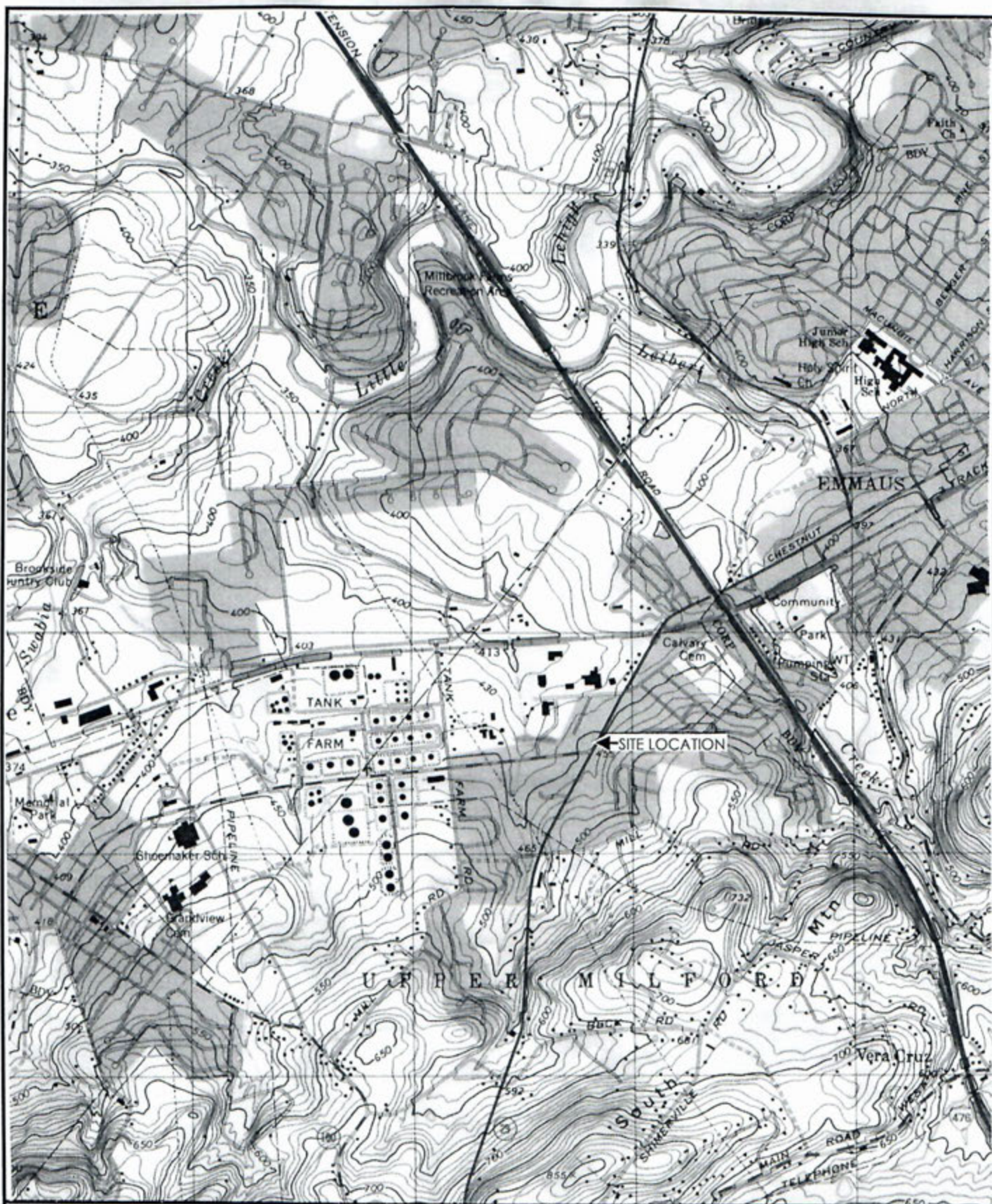
In order to further evaluate the impact to groundwater quality CEA propose to install a total of four additional monitoring wells (MW-4 through MW-7) to a total anticipated depth of 60 feet below grade surface (bgs) to provide contaminant plume definition at the site. The location of the monitoring wells will be based on the findings of the soil quality assessment, however, Figure 2 shows the anticipated well locations. In addition, MW-1 will be re-drilled deeper to a depth of 60 feet. The wells will be installed utilizing the air rotary and auger drilling method, since it is possible that competent bedrock may be encountered (drilling into the bedrock will be limited to the extent possible). The two inch diameter wells are anticipated to be constructed with 40 feet of solid riser, 20 feet of screen and surface flush manways. The wells will be surveyed for relative elevation and the water table depth in each well will be measured and the direction of groundwater flow will be evaluated.

Following well installation, three well volumes of water will be purged from all monitoring wells and a groundwater sample will collected within the upper two feet of the water column from each well utilizing new, dedicated polyethylene bailers on two occasions for submittal to a state certified laboratory to be analyzed for the PADEP-UST required parameters for unleaded

9.0 SCHEDULE

CEA anticipates the proposed program can be completed within 10 weeks. Assuming no additional investigative activities are required other than those proposed herein, the site characterization report is anticipated to be completed by September 27, 2109.

FIGURES



COVENTRY ENVIRONMENTAL
ASSOCIATES, INC.

PO Box 224
St. Peters, PENNSYLVANIA 19470

job no.
WACHTER-001

date: 3/1/19

drawn by:
jvw

checked by:

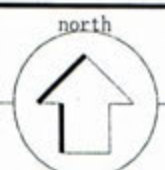
scale:
1" = 2000'

TITLE:

drawing no.
1.0

United Tire Service
4094 Chestnut Street
Emmaus, Pennsylvania

site location map





COVENTRY ENVIRONMENTAL
ASSOCIATES, INC.

PO Box 224
St. Peters, PENNSYLVANIA 19270

job no.
WACHTER--001

date: 3/1/19

drawn by:
jvw

checked by:

scale:
1" = 4 miles (approx)

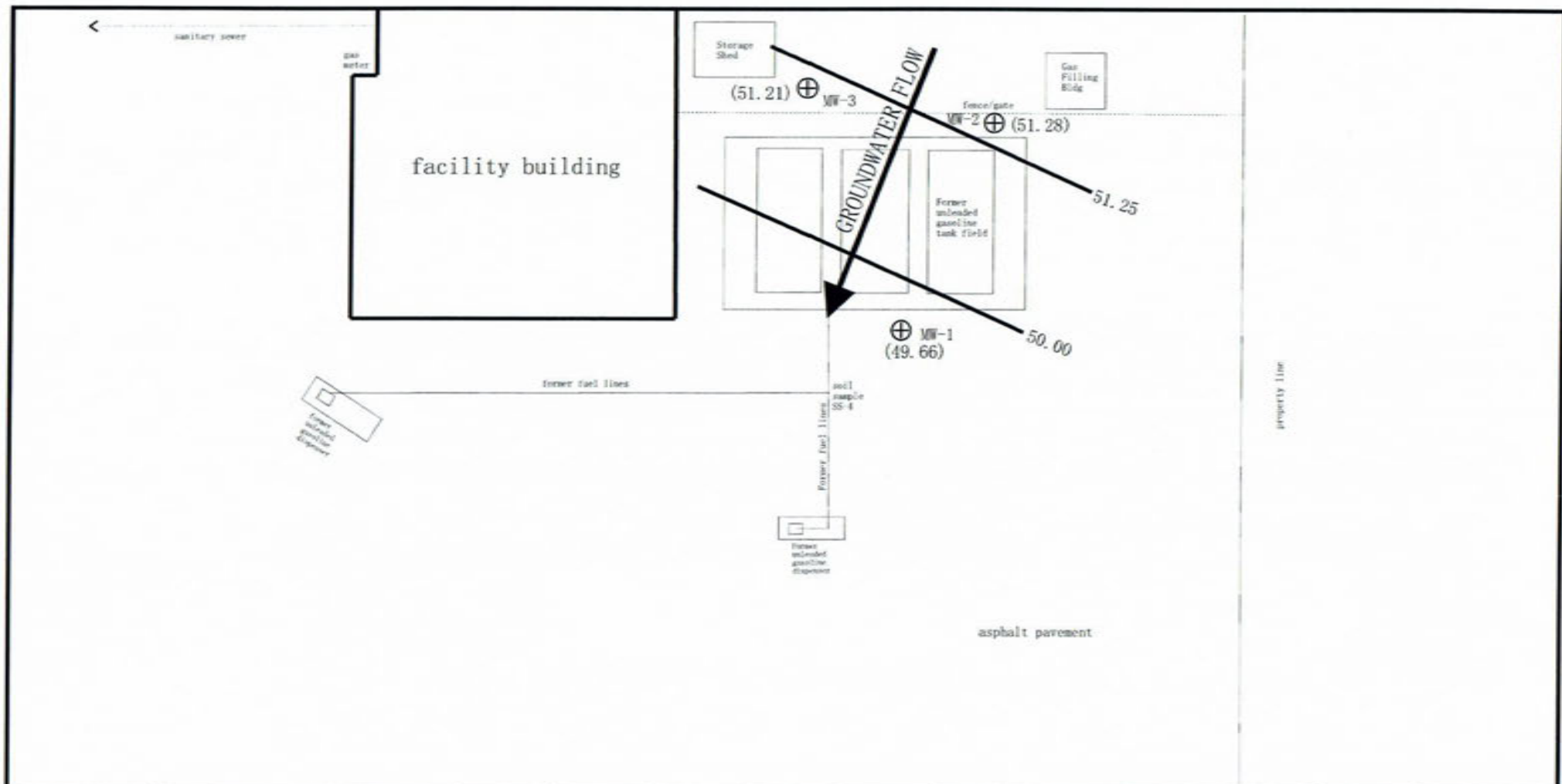
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3.0

TITLE:

Site Geology Map

United Tire Service
4094 Chestnut Street
Emmaus, Pennsylvania





COVENTRY ENVIRONMENTAL
ASSOCIATES, INC.
PO Box 224
St. Peters, Pennsylvania

job no.

WACHTER-001

scale:

1" = 20' (approx)

drawing no.

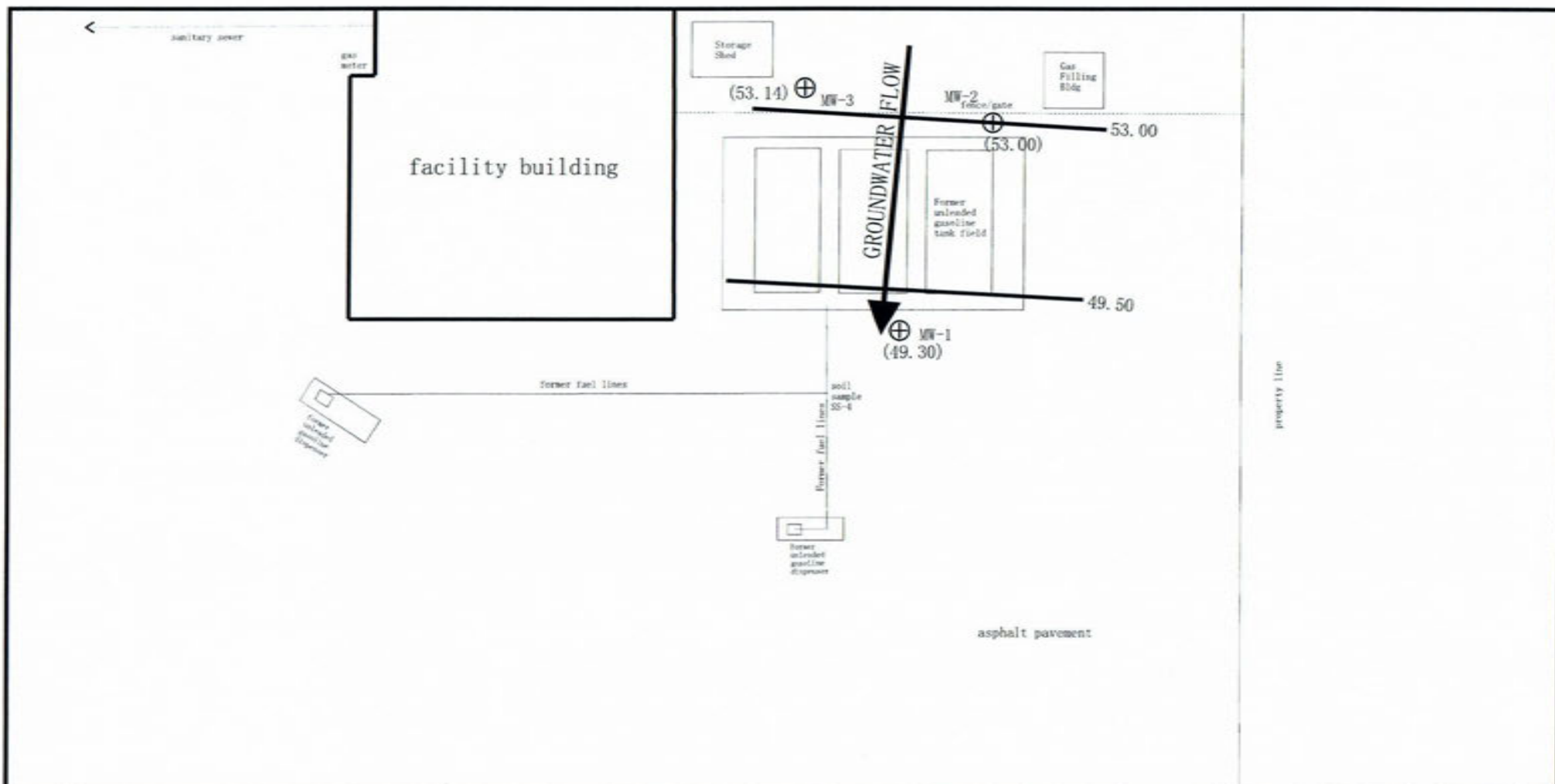
4.0

East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania
(facility ID 39-27735)

TITLE:

Groundwater Flow Direction
(May 9, 2019)





Chestnut Street

COVENTRY ENVIRONMENTAL
ASSOCIATES, INC.
PO Box 224
St. Peters, Pennsylvania

job no.

WACHTER-001

scale:

1" = 20' (approx)

drawing no.

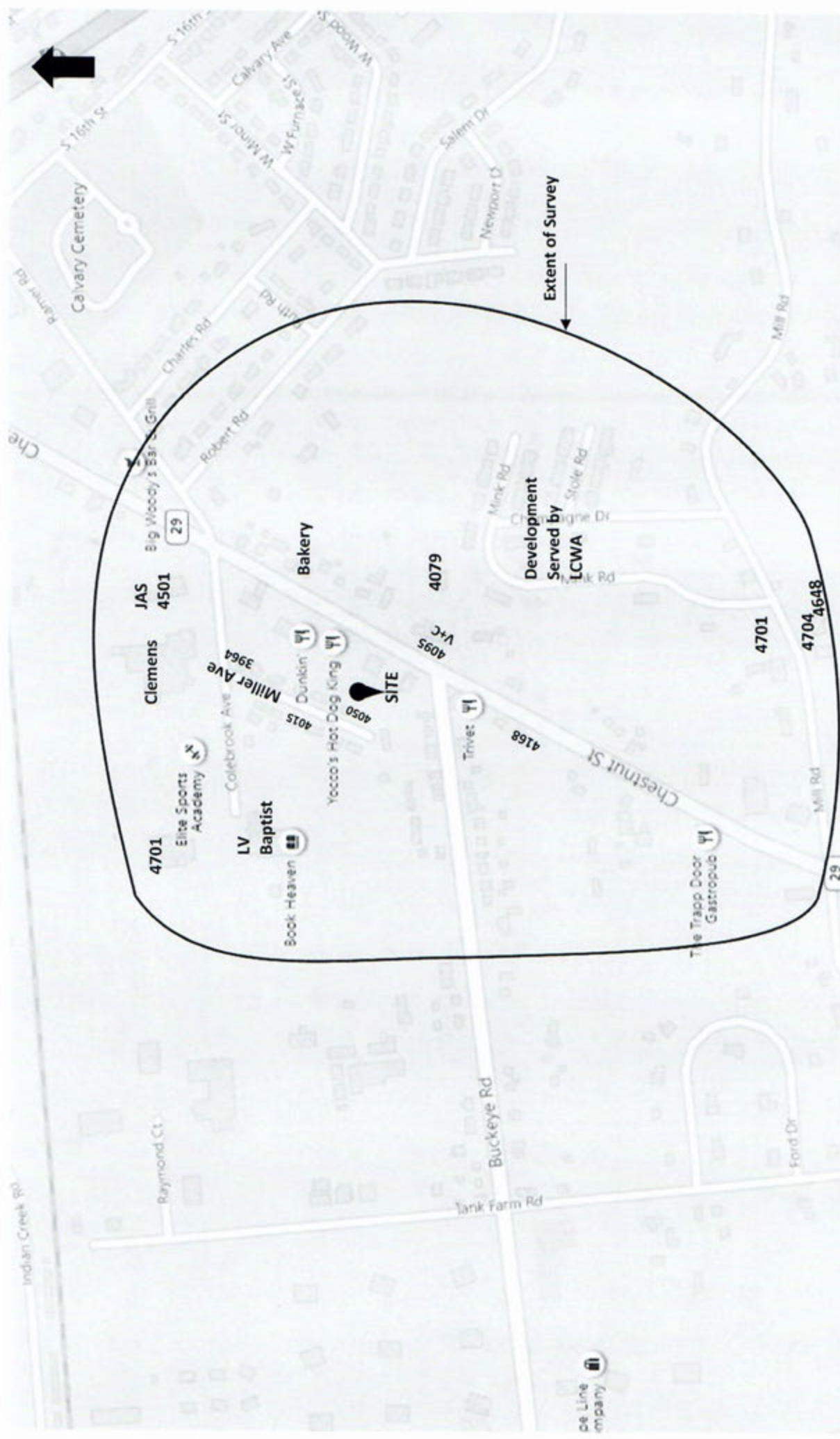
4.0

East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania
(facility ID 39-27735)

TITLE:

Groundwater Flow Direction
(May 21, 2019)





COVENTRY ENVIRONMENTAL ASSOCIATES, INC. PO Box 224 St. Peters, Pennsylvania	Job no.	Scale:	Drawing no.
	WACHTER-002	1"=600ft (approx.)	6.0
	TITLE: Area of Private Well Survey		

TABLES

Table 1
Water Level Data Summary
United Tire Service
Emmaus, Pennsylvania

	May 9, 2019		May 21, 2109	
Well #/ PVC Elevation	Depth to Water (FT)	W.L. Elevation (FT)	Depth to Water (FT)	W.L. Elevation (FT)
MW-1 (100.00)	50.34	49.66	50.70	49.30
MW-2 (100.40)	49.12	51.28	47.40	53.00
MW-3 (100.38)	49.17	51.21	47.24	53.14

Table 2
Groundwater Analytical Data Summary
(May 9, 2019)
United Tire Service
Emmaus, Pennsylvania

<i>Parameter/ Sample I.D.</i>	MW-1	MW-2	MW-3	PADEP Standard*
Benzene	7090	ND	ND	5
Toluene	10,100	ND	ND	1,000
Ethylbenzene	835	ND	ND	700
Xylene (Total)	9500	ND	3.7	10,000
Cumene	52.7	ND	ND	840
Naphthalene	43	ND	3.9	100
MTBE	918	ND	9.6	20
1,2,4 Trimethylbenzene	1800	ND	4.7	15
1,3,5 Trimethylbenzene	862	ND	1	420
Notes: All results reported in Parts Per Billion (ppb). * PADEP statewide health groundwater standard for a used aquifer in a residential setting. ND Denotes Not Detected above the laboratory limit of detection. NA Denotes Not Analyzed				

Table 3
Groundwater Analytical Data Summary
(May 21, 2019)
United Tire Service
Emmaus, Pennsylvania

<i>Parameter/ Sample I.D.</i>	MW-1	MW-2	MW-3	PADEP Standard*
Benzene	NA	ND	ND	5
Toluene	NA	ND	ND	1,000
Ethylbenzene	NA	ND	ND	700
Xylene (Total)	NA	ND	ND	10,000
Cumene	NA	ND	ND	840
Naphthalene	NA	ND	ND	100
MTBE	NA	ND	10.9	20
1,2,4 Trimethylbenzene	NA	ND	ND	15
1,3,5 Trimethylbenzene	NA	ND	ND	420
Notes: All results reported in Parts Per Billion (ppb). * PADEP statewide health groundwater standard for a used aquifer in a residential setting. ND Denotes Not Detected above the laboratory limit of detection. NA Denotes Not Analyzed				

Table 4
Supply Well Survey Summary
United Tire Service
Emmaus, Pennsylvania

[illegible]

UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT

EAST PENN TIRE AND BATTERY
4094 Chestnut Street
Emmaus, Pennsylvania
Facility ID# 39-27735

Submitted To:

Mr. Kevin Wachter
4094 Chestnut Street
Emmaus, Pennsylvania

Pennsylvania Department of
Environmental Protection
Northeast Region
2 Public Square
Wilkes Barre, 18711-1915

Prepared By:

Coventry environmental associates, inc.
PO Box 224
St. Peters, Pennsylvania 19470
(610) 469-6540



Project No. WACHTER--0001

John F. Van Wagenen P.G.
John F. Van Wagenen, P.G.
P.G. License No. 002076-G

September 19, 2018



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPENDIX D

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

39 - 27735

Facility I.D.

East Penn Tire and Battery

Facility Name

Upper Milford Township

Municipality

Lehigh

County

9/19/2018

Date Prepared

John Van Wagenen

Name of Person Submitting Report
(Please Print)

Coventry Environmental Associates, Inc.

Company Name
(If Applicable)

President

Title

Closure Method (Check all that apply):

- ☒ Removal
- ☐ Closure-In-Place
- ☐ Change-In-Service

Site Assessment Results (Check all that apply):

- ☐ No Obvious Contamination - Sample Results Meet Standards/Levels
- ☒ No Obvious Contamination - Sample Results Do Not Meet Standards/Levels
- ☐ Obvious, Localized Contamination - Sample Results Meet Standards/Levels
- ☐ Obvious, Localized Contamination - Sample Results Do Not Meet Standards/Levels
- ☐ Obvious, Extensive Contamination

DATE RECEIVED: _____

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Owners who are permanently closing underground storage tanks may use this form to demonstrate that an underground storage tank closure was performed in accordance with the "Closure Requirements for Underground Storage Tank Systems" document. PLEASE PRINT OR TYPE. COMPLETE ALL QUESTIONS.

SECTION I. Owner/Facility/Tank/Waste Management and Disposal Information

1. Facility ID Number 39 - 27735
2. Facility Name East Penn Tire and Battery
3. Facility County Lehigh
4. Facility Municipality Upper Milford Township
5. Facility Address 4094 Chestnut St. Emmaus, PA 18049
6. Facility Contact Person Kevin Wachter
7. Facility Telephone Number (610) 865 - 2027
8. Owner Name Kevin Wachter
9. Owner Mailing Address 4094 Chestnut St. Emmaus, PA 18049
10. Description of Underground Storage Tanks (Complete for each tank closed)

DATE OF TANK CLOSURE (Month/Day/Year)		8- 28 -2018	8- 28 -2018	8- 28 -2018	- -
Tank Registration Number		6	7	8	
Estimated Total Capacity (Gallons)		6,000	6,000	6,000	
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	a. Petroleum				
	Unleaded Gasoline	☒	☒	☒	☐
	Leaded Gasoline	☐	☐	☐	☐
	Aviation Gasoline	☐	☐	☐	☐
	Kerosene	☐	☐	☐	☐
	Jet Fuel	☐	☐	☐	☐
	Diesel Fuel	☐	☐	☐	☐
	Fuel Oil No. 1	☐	☐	☐	☐
	Fuel Oil No. 2	☐	☐	☐	☐
	Fuel Oil No. 4	☐	☐	☐	☐
	Fuel Oil No. 5	☐	☐	☐	☐
	Fuel Oil No. 6	☐	☐	☐	☐
	New Motor Oil	☐	☐	☐	☐
	Used Motor Oil	☐	☐	☐	☐
	Other, Please Specify				
	b. Hazardous Substance				
	Name of Principal CERCLA Substance				
	<u>AND</u>				
Chemical Abstract Service (CAS) No.					
c. Unknown					
Closure Method (Check Only One)	a. Removal	☒	☒	☒	☐
	b. Closure-in-Place	☐	☐	☐	☐
	c. Change-In-Service	☐	☐	☐	☐
Partial System Closure (Yes or No)					

NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)

DATE OF TANK CLOSURE (Month/Day/Year)		- -	- -	- -	- -
Tank Registration Number					
Estimated Total Capacity (Gallons)					
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	a. Petroleum				
	Unleaded Gasoline	☐	☐	☐	☐
	Leaded Gasoline	☐	☐	☐	☐
	Aviation Gasoline	☐	☐	☐	☐
	Kerosene	☐	☐	☐	☐
	Jet Fuel	☐	☐	☐	☐
	Diesel Fuel	☐	☐	☐	☐
	Fuel Oil No. 1	☐	☐	☐	☐
	Fuel Oil No. 2	☐	☐	☐	☐
	Fuel Oil No. 4	☐	☐	☐	☐
	Fuel Oil No. 5	☐	☐	☐	☐
	Fuel Oil No. 6	☐	☐	☐	☐
	New Motor Oil	☐	☐	☐	☐
	Used Motor Oil	☐	☐	☐	☐
	Other, Please Specify				
NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)	b. Hazardous Substance	☐	☐	☐	☐
	Name of Principal CERCLA Substance	☐	☐	☐	☐
	AND				
	Chemical Abstract Service (CAS) No.				
	c. Unknown	☐	☐	☐	☐
Closure Method (Check Only One)	a. Removal	☐	☐	☐	☐
	b. Closure-in-Place	☐	☐	☐	☐
	c. Change-In-Service	☐	☐	☐	☐
Partial System Closure (Yes or No)					

Yes N/A

11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) **including use of tanks:**

Former service station with retail gasoline sales, current automobile tire and service facility.

- ☒ ☐ 12. A site location and sampling map of the site, drawn to scale, is attached. See page 11 of 11.
- ☒ ☐ 13. Original, color photographs of the closure process are attached (i.e., inside of excavation/piping runs, pit water, tanks showing condition).
- ☒ ☐ 14. An amended "Storage Tanks Registration/Permitting Application Form" was submitted to the DEP, Bureau of Environmental Cleanup and Brownfields, Division of Storage Tanks, P.O. Box 8762, Harrisburg, PA 17105-8762.

Date: 9/27/2018

- ☒ ☐ 15. If a reportable release was confirmed, the appropriate regional office of DEP was notified by the owner or operator.

Date: 9 - 13 - 2018

Office: Northeast Region

Yes N/A



16. If tanks were cleaned on-site:

a. Briefly describe the disposition of usable product: none

b. Briefly describe the disposal of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):

Vacuum truck and disposal by US Environmental to Monarch Environmental facility
(documentation attached).

c. If tank contents were determined/deemed to be hazardous waste, provide:

(1) Generator ID Number: _____

(2) Licensed Hazardous Waste Transporter Name and ID Number: _____



17. If tanks were removed from the site for cleaning:

a. Provide the name and permit number of the processing, treatment, storage or disposal facility performing the tank cleaning: _____

b. If tank contents were determined/deemed to be hazardous waste, provide:

(1) Generator ID Number: _____

(2) Licensed Hazardous Waste Transporter Name and ID Number: _____

18. Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal):

Steel tanks were delivered to Wilcox Recycling (documentation attached) and fiberglass lines were
disposed on-site in the facility dumpster.

19. If contaminated soil is excavated:

a. Briefly describe the disposition and amount _____ (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):

b. If contaminated soil is determined/deemed to be hazardous waste, provide:

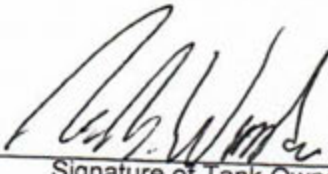
(1) Generator ID Number: _____

(2) Licensed Hazardous Waste Transporter Name and ID Number: _____

Yes N/A

☐ ☒ 20. Briefly describe the disposition of and amount _____ (tons) of uncontaminated soil (attach analyses):

I, Karen M. Wachter, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904
(Print Name)
(relating to unsworn falsification to authorities) that I am the owner of the above referenced storage tank(s) and that the
information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge
and belief.


Signature of Tank Owner

Date

Company Name
(If Applicable)
OWNER

Title

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 39 - 27735

Yes N/A

1. Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil:
Tanks uncovered and uncontaminated backfill staged for re-use (no PID or olfactory observation of impact). Re-use soil sample analysis indicates Not Detectable results.
2. Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping:
All fuel lines were removed. Lines were fiberglass and in good condition.
3. Briefly describe the condition of the tanks and any problems encountered during tank removal:
Tanks and lines were in good condition with no holes observed, except for a highly corroded fill pipe on one tank.
4. Briefly describe the method used to purge the tanks of and monitor for explosive vapors:
Tanks were inerted by venting with a copus blower and measured for LEL using an explosimeter.
- ☒ ☐ 5. If tanks were cleaned on-site:
 - a. Briefly describe the tank cleaning process: An accessway was cut into the tanks and manually cleaned with water which was removed with a vacuum truck.
 - b. If subcontracted, name and address of company that performed the tank cleaning:
Fratello and Amico, Inc. 3709 Darby Rd Bryn Mawr, PA 19010
- ☐ ☒ 6. If tanks were closed-in-place, briefly describe the tank fill material: _____
- ☒ ☐ 7. If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

SECTION II. (continued)

I, John Van Wagenen, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904
(relating to unsworn falsification to authorities) that I am the certified installer who performed the tank handling activities
associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure
report (Section I) is true, accurate and complete to the best of my knowledge and belief.

(Print Name)

Signature of Certified Installer

4864

Installer Certification Number

9 / 19 / 2018

Date

1433

Company Certification Number

Coventry Environmental Associates, Inc.
Company Name

PO Box 224

Street

St. Peters, PA 19470

City/Town, State, Zip

610 - 469 - 6540

Phone

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 006 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 39 - 27735

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A" if NOT encountered).

Bedrock NA feet below land surface

Water 10 feet below land surface

- B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping NA feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1). Was obvious contamination observed while excavating?

☒ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

☐ YES-----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

-----> Complete item C.2. below.

- 2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling-----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

☒ NO-----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☒ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

☐ YES-----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 007 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 39 - 27735

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A" if NOT encountered).

Bedrock NA feet below land surface

Water 10 feet below land surface

- B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping NA feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1). Was obvious contamination observed while excavating?

☒ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

☐ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

-----> Complete item C.2. below.

- 2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

☒ NO -----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☒ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

☐ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 008 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 39 - 27735

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A" if NOT encountered).

Bedrock NA feet below land surface

Water 10 feet below land surface

- B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping NA feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1). Was obvious contamination observed while excavating?

☒ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

☐ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

-----> Complete item C.2. below.

- 2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

☒ NO -----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☒ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

☐ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

- E. If the answer to C.1. is "no", the answer to C.2. if "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank is located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, John Van Wagenen, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.

(Print Name)

John Van Wagenen, PG
Signature of Person Performing Site Assessment

9 / 19 / 2018
Date

John Van Wagenen, PG
Title of Person Performing Site Assessment

Coventry Environmental Associates, Inc.
Name of Company Performing Site Assessment

610-469-6540
Telephone Number of Person Performing Site Assessment

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-1	Benzene	8260B/SW846	soil	ND	60.7	8/28/2018	9/6/2018
	Ethylbenzene			ND	60.7		
	Cumene			ND	60.7		
	MTBE			ND	60.7		
	Naphthalene			ND	121		
	Toluene			ND	60.7		
	Xylenes			ND	182		
	1,2,4 Trimethylbenzene			ND	60.7		
	1,3,5 Trimethylbenzene			ND	60.7		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-2	Benzene	8260B/SW846	soil	ND	49.7	8/28/2018	9/6/2018
	Ethylbenzene			ND	49.7		
	Cumene			ND	49.7		
	MTBE			ND	49.7		
	Naphthalene			ND	99.4		
	Toluene			ND	49.7		
	Xylenes			ND	149		
	1,2,4 Trimethylbenzene			ND	49.7		
	1,3,5 Trimethylbenzene			ND	49.7		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-3	Benzene	8260B/SW846	soil	ND	61.2	8/29/2018	9/6/2018
	Ethylbenzene			ND	61.2		
	Cumene			ND	61.2		
	MTBE			ND	61.2		
	Naphthalene			ND	122		
	Toluene			ND	61.2		
	Xylenes			ND	184		
	1,2,4 Trimethylbenzene			ND	61.2		
	1,3,5 Trimethylbenzene			ND	61.2		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-4	Benzene	8260B/SW846	soil	ND	46.6	8/29/2018	9/6/2018
	Ethylbenzene			ND	46.6		
	Cumene			ND	46.6		
	MTBE			ND	46.6		
	Naphthalene			ND	93.1		
	Toluene			ND	46.6		
	Xylenes			ND	140		
	1,2,4 Trimethylbenzene			99	46.6		
	1,3,5 Trimethylbenzene			48.8	46.6		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-5	Benzene	8260B/SW846	soil	ND	55	8/29/2018	9/6/2018
	Ethylbenzene			ND	55		
	Cumene			ND	55		
	MTBE			ND	55		
	Naphthalene			ND	110		
	Toluene			ND	55		
	Xylenes			ND	165		
	1,2,4 Trimethylbenzene			ND	55		
	1,3,5 Trimethylbenzene			ND	55		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-6	Benzene	8260B/SW846	soil	ND	75.1	8/29/2018	9/6/2018
	Ethylbenzene			ND	75.1		
	Cumene			ND	75.1		
	MTBE			ND	75.1		
	Naphthalene			ND	150		
	Toluene			ND	75.1		
	Xylenes			ND	225		
	1,2,4 Trimethylbenzene			ND	75.1		
	1,3,5 Trimethylbenzene			ND	75.1		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-7	Benzene	8260B/SW846	soil	ND	59.4	8/29/2018	9/6/2018
	Ethylbenzene			ND	59.4		
	Cumene			ND	59.4		
	MTBE			ND	59.4		
	Naphthalene			ND	119		
	Toluene			ND	59.4		
	Xylenes			ND	178		
	1,2,4 Trimethylbenzene			ND	59.4		
	1,3,5 Trimethylbenzene			ND	59.4		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
SS-8	Benzene	8260B/SW846	soil	ND	66.2	8/28/2018	9/6/2018
	Ethylbenzene			ND	66.2		
	Cumene			ND	66.2		
	MTBE			ND	66.2		
	Naphthalene			ND	132		
	Toluene			ND	66.2		
	Xylenes			ND	199		
	1,2,4 Trimethylbenzene			ND	66.2		
	1,3,5 Trimethylbenzene			ND	66.2		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
Re-use	Benzene	8260B/SW846	soil	ND	58.6	8/29/2018	9/6/2018
	Ethylbenzene			ND	58.6		
	Cumene			ND	58.6		
	MTBE			ND	58.6		
	Naphthalene			ND	117		
	Toluene			ND	58.6		
	Xylenes			ND	178		
	1,2,4 Trimethylbenzene			ND	58.6		
	1,3,5 Trimethylbenzene			ND	58.6		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
GW-1	Benzene	SW846/8260B	water	ND	5	8/28/2018	9/7/2018
	Ethylbenzene			ND	5		
	Cumene			5	5		
	MTBE			ND	5		
	Naphthalene			157	10		
	Toluene			ND	5		
	Xylenes			885	15		
	1,2,4 Trimethylbenzene			2090	50		
	1,3,5 Trimethylbenzene			538	5		

**Underground Storage Tank System
Closure Report Form**

**East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania**

Sample I.D.	Parameter	Analytical Method	Media	Results (ppb)	Detection Units (ppb)	Date Sample Taken	Date Sample Analyzed
GW-2	Benzene	SW846/8260B	water	ND	1	8/28/2018	9/7/2018
	Ethylbenzene			ND	1		
	Cumene			ND	1		
	MTBE			ND	1		
	Naphthalene			ND	2		
	Toluene			ND	1		
	Xylenes			ND	3		
	1,2,4 Trimethylbenzene			ND	1		
	1,3,5 Trimethylbenzene			ND	1		

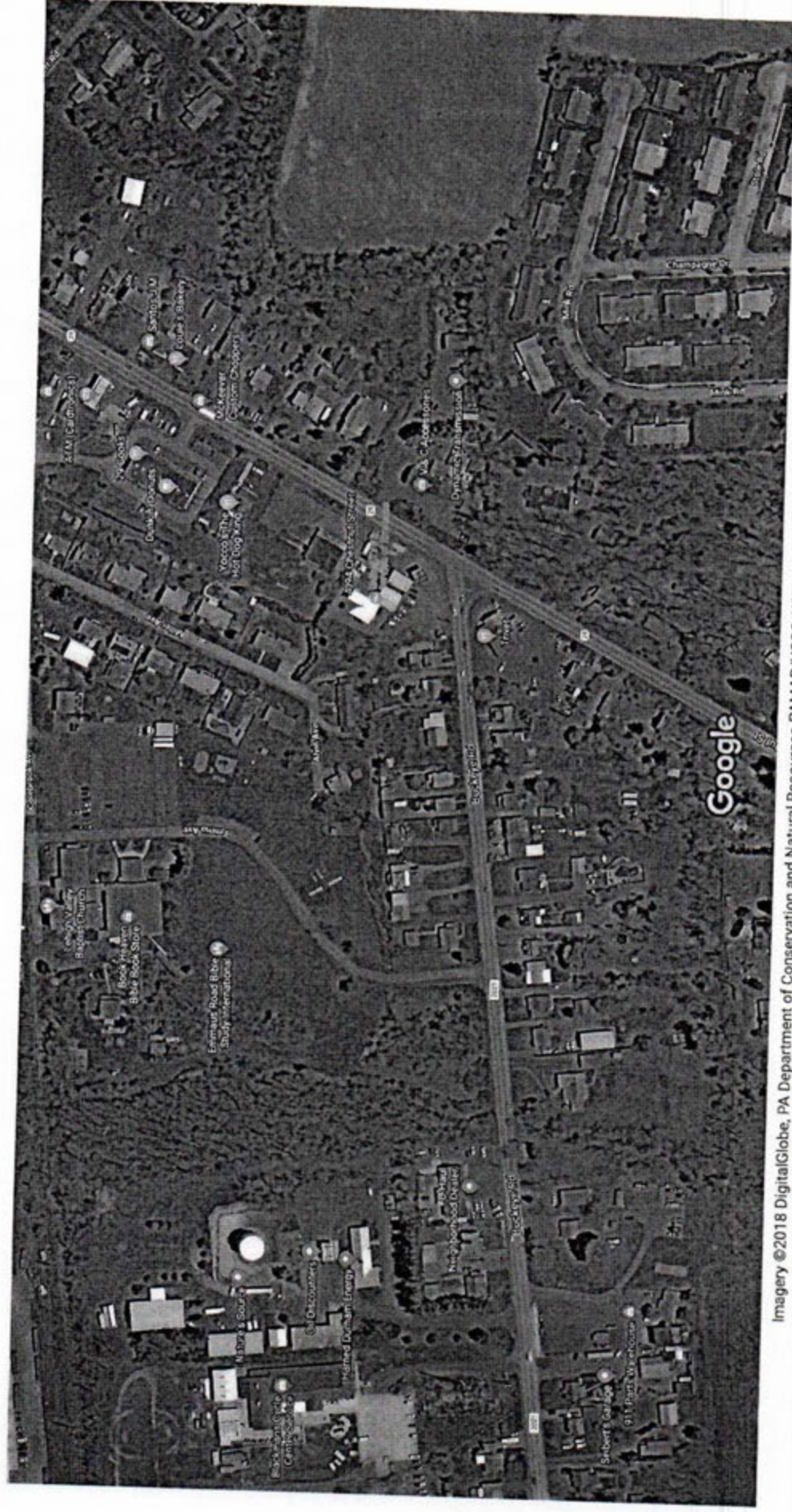
Site Location and Sampling Map - Use this page or suitable facsimile to provide a large scale map of the site where tanks were closed. Scales between 1" = 10 and 1" = 100 feet frequently work out well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tanks removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: East Penn Tire and Battery 39 - 27735

County: Lehigh

Township/Borough: Upper Milford Township (see attached Site Plan)

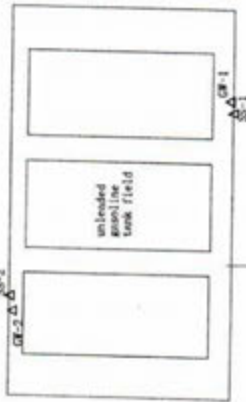
Google Maps 4094 Chestnut St



Imagery ©2018 DigitalGlobe, PA Department of Conservation and Natural Resources-PAMAP/USGS, USDA Farm Service Agency, Map data ©2018 Google



fence/gate



asphalt pavement



fuel lines



Sample Data Summary

sample ID	depth (ft)	Comments
CR-1	10	
CR-2	10	
SS-1	10	water detected at 10 ft bgs
SS-2	10	water pumped/recharging to excavation
SS-3	3	1 ft below fuel lines
SS-4	3	
SS-5	3	
SS-6	2	
SS-7	2	
SS-8	2	2 feet below dispensers

Chestnut Street

COVENTRY ENVIRONMENTAL

ASSOCIATES, INC.

PO Box 224

St. Peters, Pennsylvania

Job no.

WACHTER-001

scale:

1" = 15' (approx)

drawing no.

2.0

East Penn Tire and Battery
4094 Chestnut Street
Emmaus, Pennsylvania
(facility ID 39-27735)

TITLE:

site plan



Underground Storage Tank
Closure Report

For

Fulmer's Garage
Chestnut St. & Buckeye Rd.
Emmaus, Pa. 18049

Prepared By:

Boyko Petroleum Service
4171 Chestnut St.
Whitehall, PA. 18052
Comp. Cert. # 566
Cert. Inst. # 255
John Kokolus

June 1993

PA. Dept. of Environmental Resources Underground Storage Tank
Closure Report for the

1. Name, location, ownership and I.D. number of facility

Facility name and address	Fulmer's Garage Chestnut St. & Buckeye Rd. Emmaus, Pa. 18049
---------------------------	--

Facility I.D. number.	39-27735
-----------------------	----------

Tank registration number.	001-002 003-005
---------------------------	--------------------

(See Appendix 3 for tank registration form)

2. Date of tank closure.

Gasoline tank 1	May 25, 1993
Gasoline tank 2	May 20, 1993
Gasoline tank 3	May 20, 1993
Kerosene tank 5	May 20, 1993

3. Number, capacity, and construction of tanks closed

The follow UST was closed at the Fulmer Garage site.

	Construction	Capacity
Tank 1	steel	10,000 gallon
Tank 2	steel	6,000 gallon
Tank 3	steel	4,000 gallon
Tank 5	steel	550 gallon

4. Site photographs were taken of tank and tank excavation
during removal procedure. (see next page)

5. Pertinent maps (topographic, water table contour, etc.
of site)

See figure 1.

6. Plot map of site
See Figure 2



Above: Tank area before excavation

Below: 1,000 tank after removal





Above & Below: Excavation after 1,000
tank removed

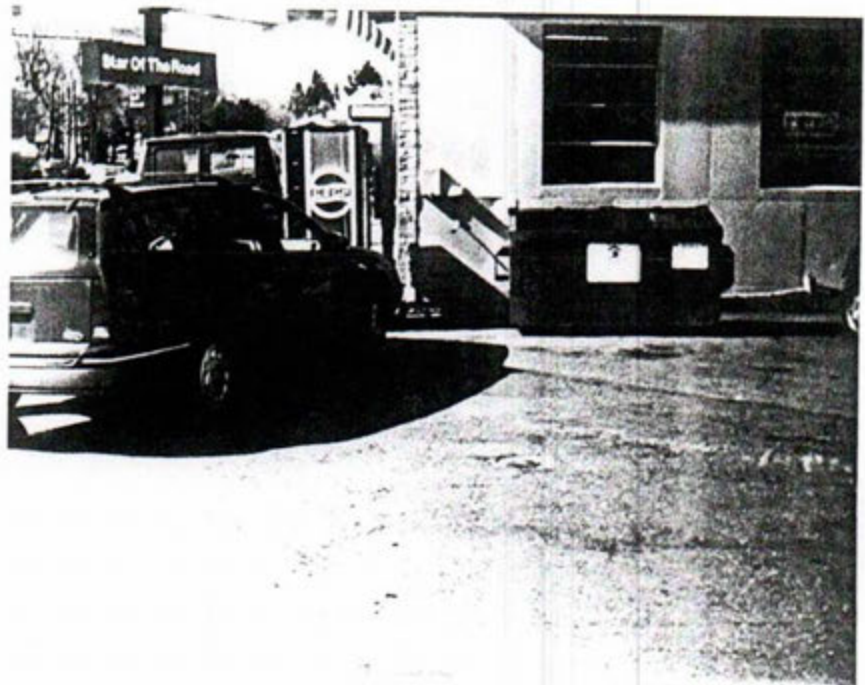


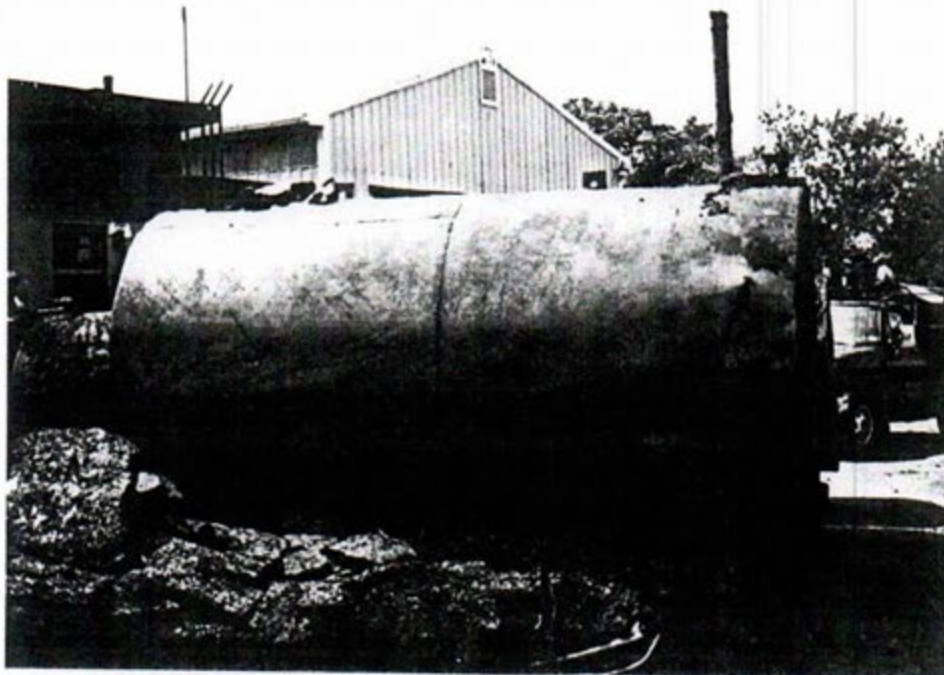


Above: 6,000 tank area before excavation

Right: 4,000 tank area before excavation

Below: 10,000 tank area before excavation

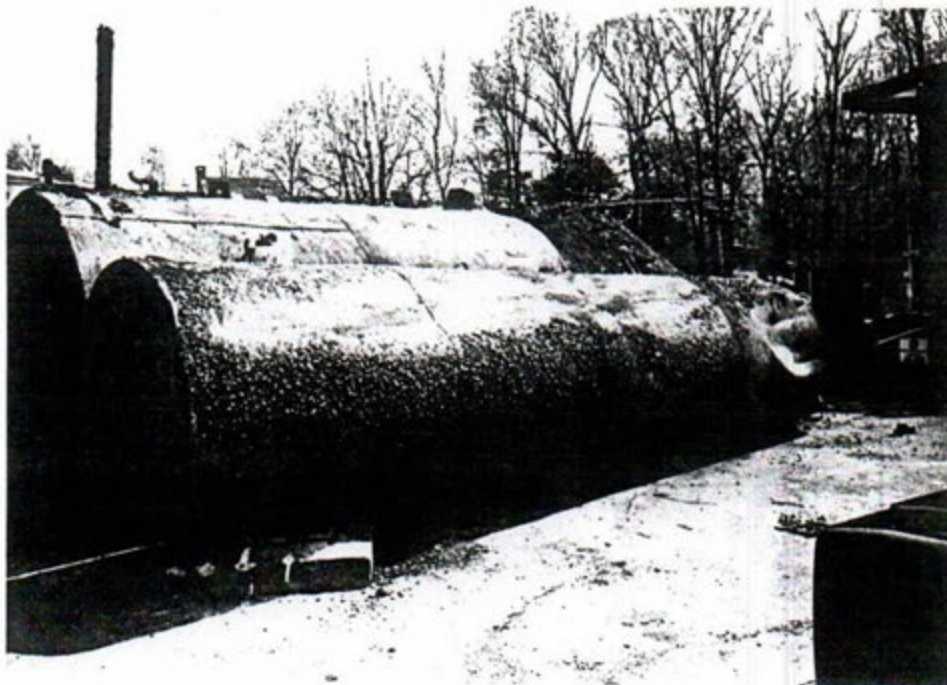




Above: 6,000 tank after removal

Below: Excavation after 6,000
tank removed





Above: 4,000 tank after removal

Below: Excavation after 4,000 tank removed





Above: Excavation after 4,000 & 6,000 tanks removed

Below: Excavation after remediation and prepared for new tank installation





Above: 10,000 tank after removal

Below: Excavation after 10,000 tank removed



7. Description of site and the operations conducted at the site (historical and present)

Presently located on site is the Fulmer's Garage site which has been in operation for the last nine years. Site is used for the repairs of automobiles and gasoline sales to the public. Site was originally built as service station between the last 30 to 50 years and was vacant lot before construction of the facility. Tanks were used for gasoline sales to the public.

8. Regulated substances and physical hazards presented on site.

Petroleum hydrocarbon products were present on site in the form of gasoline and kerosene. Characteristics and physical hazards are described in the Material Safety Data Sheet in Appendix 1.

9. Sample collection and preservation methods

Seven samples were taken from the tank excavation: one from the soil above and around the tanks, three from directly beneath the tanks, and three from three feet below the tank bottom. Additional samples were taken at greater depths to accommodate high readings on certain tanks.

All samples obtained on site were collected with a stainless steel trowel. The trowel was cleaned after each sample with methanol and dionized water as per EPA specifications. Samples were placed in glass jars with teflon lids upon collection.

All samples were labeled (date and location) and were kept at company premises and chilled till picked up by lab. Chain of custody documentation can be seen in Appendix 2.

10. Equipment decontamination procedures.

The stainless steel trowel used in sample collections was decontaminated at company premises by washing with liquinox and tap water, rinsing with methanol and dionizer water. The trowel and the core sampler were put in plastic bags and taken to job site. Decontamination on job site was performed by dionized water rinse, methanol rinse, and dionized water rinse.

11. Summary of all sampling data and written interpretation of data

See Table 1 for soil analysis results.

Seven samples were taken from the tank excavation: one from the soil above and around the tanks, three from directly beneath the tanks, and three from three feet below the tank bottoms. Samples from the 4,000 & kero tank showed elevated levels indicating some contamination. Samples from the 6,000 showed elevated levels directly beneath the tank and one from three feet below the tank. Samples from the 10,000 showed elevated levels directly beneath the tank from the middle to the vent. Three foot samples were clean. Samples were taken at a depth of six feet below all affected areas and were found clean.

12. Controls taken to minimize risks to the public.

Warning barricades with NO SMOKING signs painted on them were placed around tank excavation along with the equipment. Orange safety fencing was also placed around the tank excavations.

13. Controls taken to reduce migration of surface runoff of regulated substances or contaminants

All soil from the tank excavations was placed on plastic and surrounded with bales of straw to prevent movement of soil and runoff.

14. Control taken to monitor and migrate fire, explosion, and vapor hazards.

Tank was emptied and all openings were plugged.

15. Identification and removal of free contaminants in ground water including type recovery system used.

No ground water was present in tank excavations so no water was affected.

16. Activities related to the removal of contaminated soil.
All soil from beneath the 4,000 & 550 tanks was removed to a depth of six feet. Soil directly beneath the 10,000 was removed to a depth of one foot. Soil from the 6,000 was removed a depth of three feet and six feet at the vent end. All soil was placed on plastic and covered awaiting removal by waste management company.

17. Activities related to the removal of tanks or other containers that contain, may contain, or contained regulated substances.

The removal of four tanks included the removal of the paved area above the tanks. The tanks were then uncovered and all piping was disconnected and removed. All tank openings were then plugged. The tanks were then removed and samples were taken immediately after removal. Upon remediation of the tank area the excavation was then prepared for the installation of new tanks. Tanks were entered and cleaned before removal from site.

18. Containment, treatment, transport, storage, disposal or incineration of regulated substances.

All remaining fuel in tanks was pumped into skid tanks and kept on site. Fuel was pumped into new tanks after installation. Remaining tank residue was placed in sealed drums and taken by waste company.

19. Alternative water supply provided and/or treatment of existing supplies.

No ground water was present in tank excavation so no water was affected. All water is from city pipeline.

20. Ventillation systems for buildings, utility lines or vaults that are collecting vapors.

None necessary.

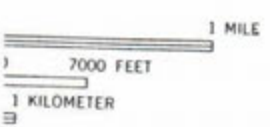
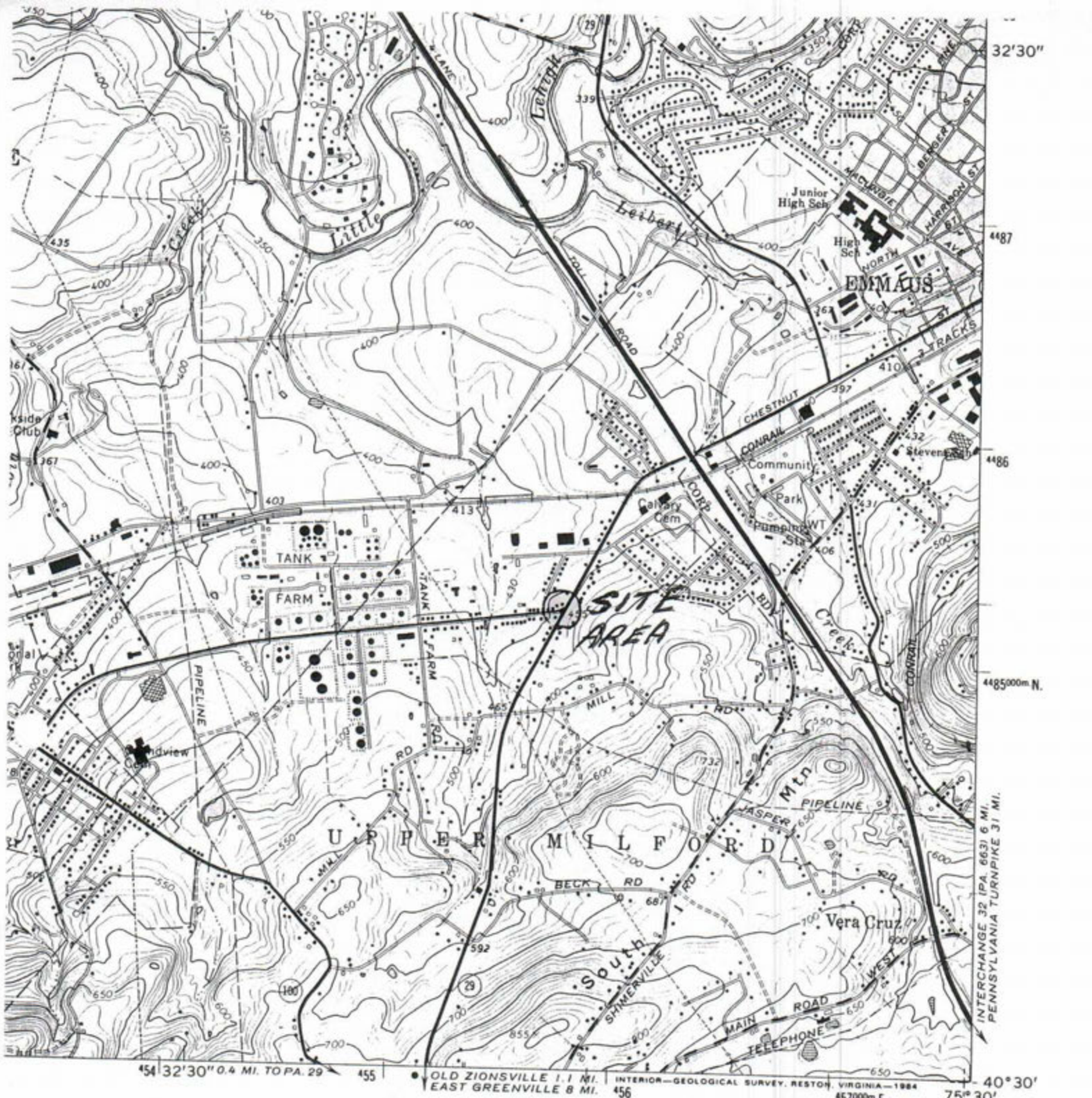
21. Necessary permits obtained.

Pa. Dept. of Environmental Resources was notified 30 days prior to tank closure. Permits were required for the boro of Emmaus and were secured by the contractor.

22. Elapsed time from sample collection to lab analysis

The elapsed time from sample collection to lab analysis was four days.

FIGURES I AND II



- ROAD CLASSIFICATION**
- Heavy-duty —————
 - Medium-duty ————
 - Light-duty —————
 - Unimproved dirt - - - - -
 - Interstate Route (thick line with 'X' markers)
 - U.S. Route (line with 'X' markers)
 - State Route (line with 'X' markers)

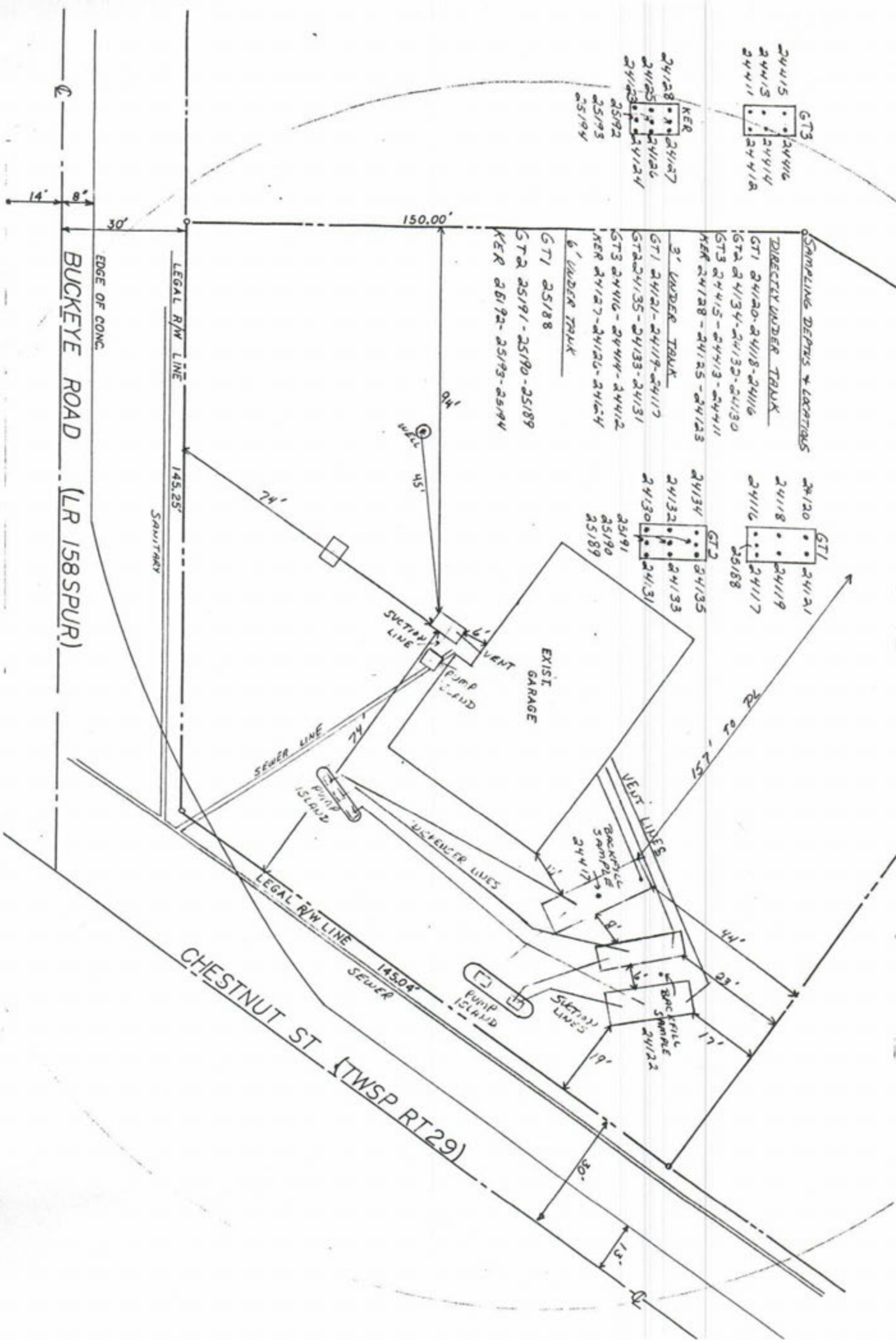
ALLENTOWN WEST, PA.
 SE/4 ALBURTIS 15' QUADRANGLE
 40075-E5-TF-024

1964
 PHOTOREVISED 1984
 DMA 5865 II SE-SERIES V831

IDS
 2
 ON REQUEST

Revisions shown in purple and woodland compiled in cooperation with Commonwealth of Pennsylvania agencies from aerial photographs taken 1981 and other sources. This information not field checked
 Map edited 1984

(MILFORD SQ. 596-14 NW)





1.0 View of Project location



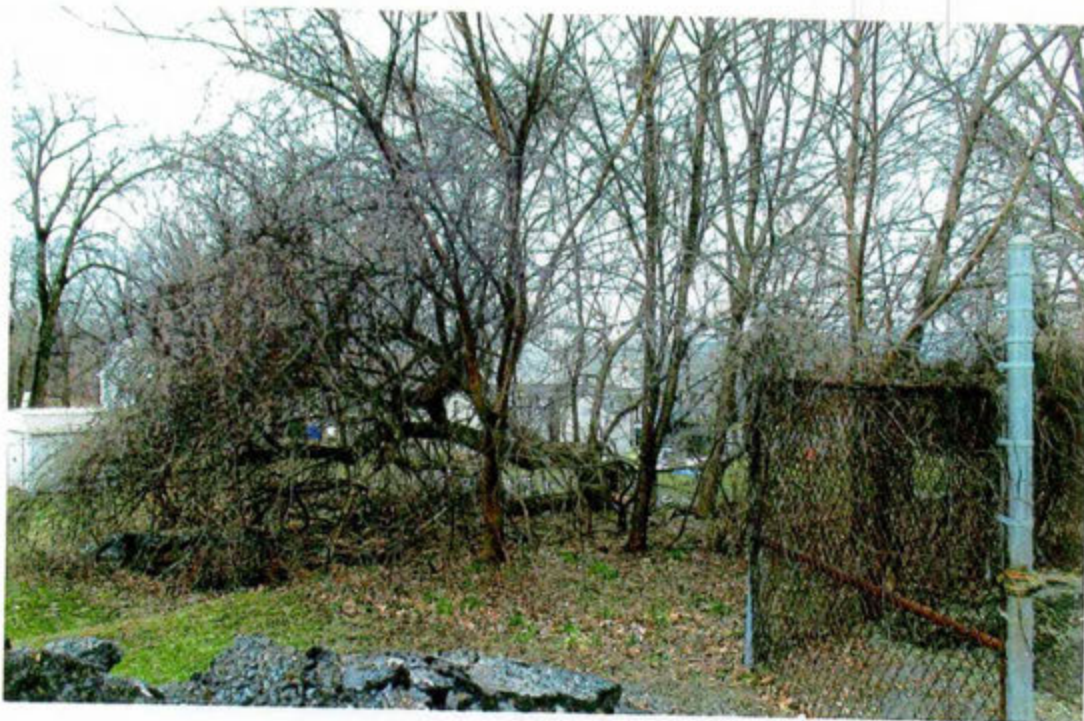
2.0 View along Chestnut Street to the Southwest.



3.0 View from project location to the south.



4.0 View along Chestnut Street to the northeast.



5.0 View of the rear of project location to the northwest.



6.0 View to the west toward Buckeye road.

APPENDIX B

Site Reconnaissance Map/Photos



United Tire Service
Field Recon. map



1.0 View of Project location



2.0 View along Chestnut Street to the Southwest.



3.0 View from project location to the south.



4.0 View along Chestnut Street to the northeast.



5.0 View of the rear of project location to the northwest.



6.0 View to the west toward Buckeye road.



Government Records Report | 2019

Order Number: 27567

Report Generated: 02/28/2019

Project Name:

Project Number:

4094 Chestnut St
4094 Chestnut St
Emmanuel, PA 18049

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Section	Page
<u>Executive Summary</u>	<u>1</u>
<u>Executive Summary by Distance</u>	<u>2</u>
<u>Executive Summary by Database</u>	<u>3</u>
<u>Property Proximity Map</u>	<u>4</u>
<u>Area Map</u>	<u>5</u>
<u>Unmappable Summary</u>	<u>6</u>
<u>Geological Landscape Section</u>	<u>7</u>
<u>Geological Landscape Section Summary</u>	<u>10</u>
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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-13 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:**ADDRESS:**

4094 Chestnut St
4094 Chestnut St
Emmanus, PA 18049

COORDINATES:

Latitude (North):	40.519216 - 40°31'9.2"
Longitude (West):	-75.521946 - -75°31'19"
Universal Transverse Mercator:	Zone 18N
UTM X (Meters):	455786.05
UTM Y (Meters):	4485518.60

ELEVATION:

Elevation:	452.513 ft. above sea level
------------	-----------------------------

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 40075-E5 Allentown West, PA
Most Recent Revision: 2016

No Mapped Sites

DRAFT

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was not listed in any of the databases searched by Envirosearch Corporation.

SEARCH RESULTS:

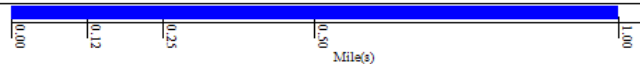
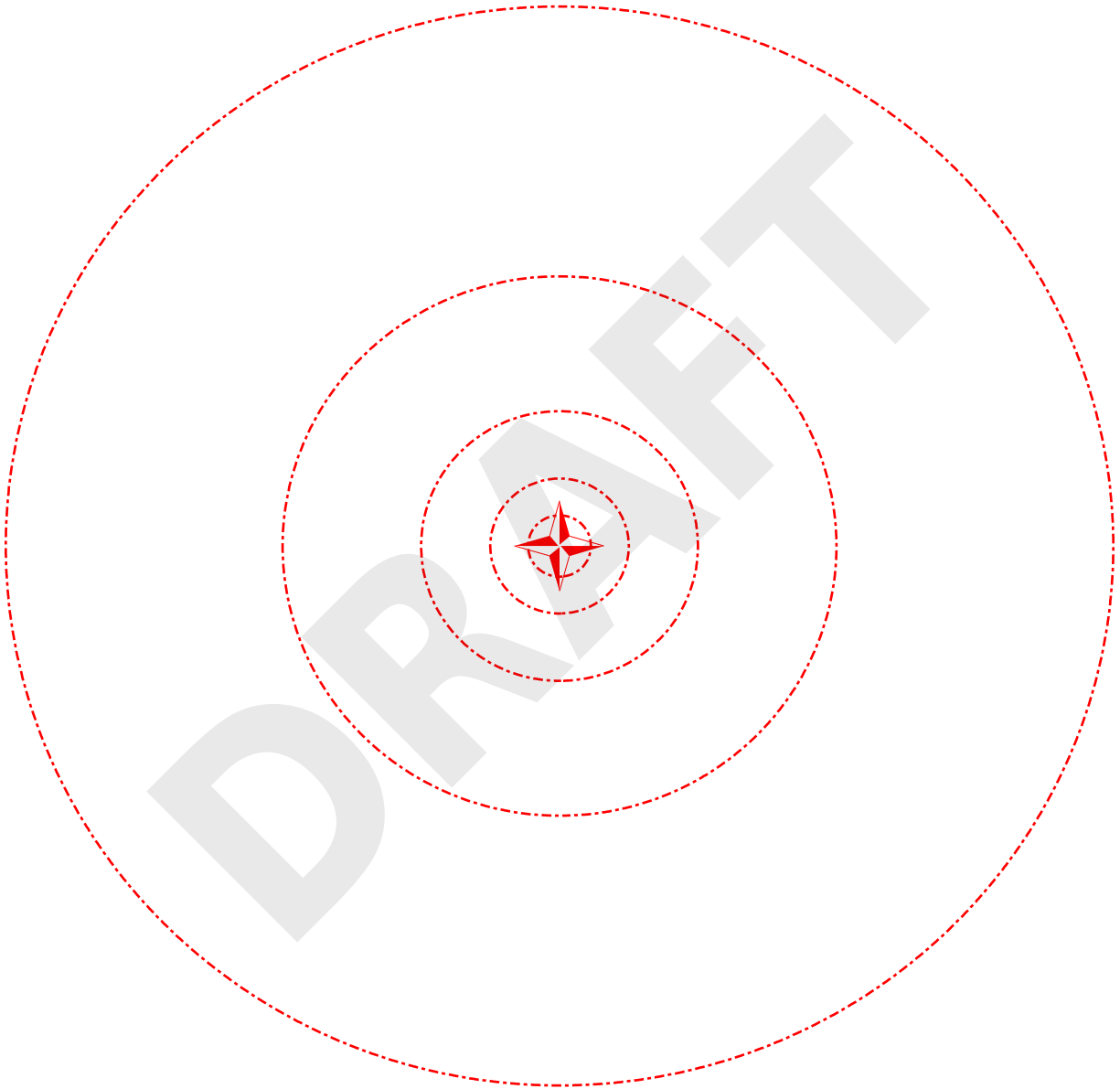
No unmappable sites reported.

DATABASE(S) WITH NO MAPPED SITES:

DRAFT

SUBJECT NAME: 4094 Chestnut St
 ADDRESS: 4094 Chestnut St, Emmanus, PA 18049
 LAT/LONG: 40.519216 / -75.521946

PREPARED FOR: Coventry Environmental Associates LLC
 ORDER #: 27567
 REPORT DATE: February 28, 2019



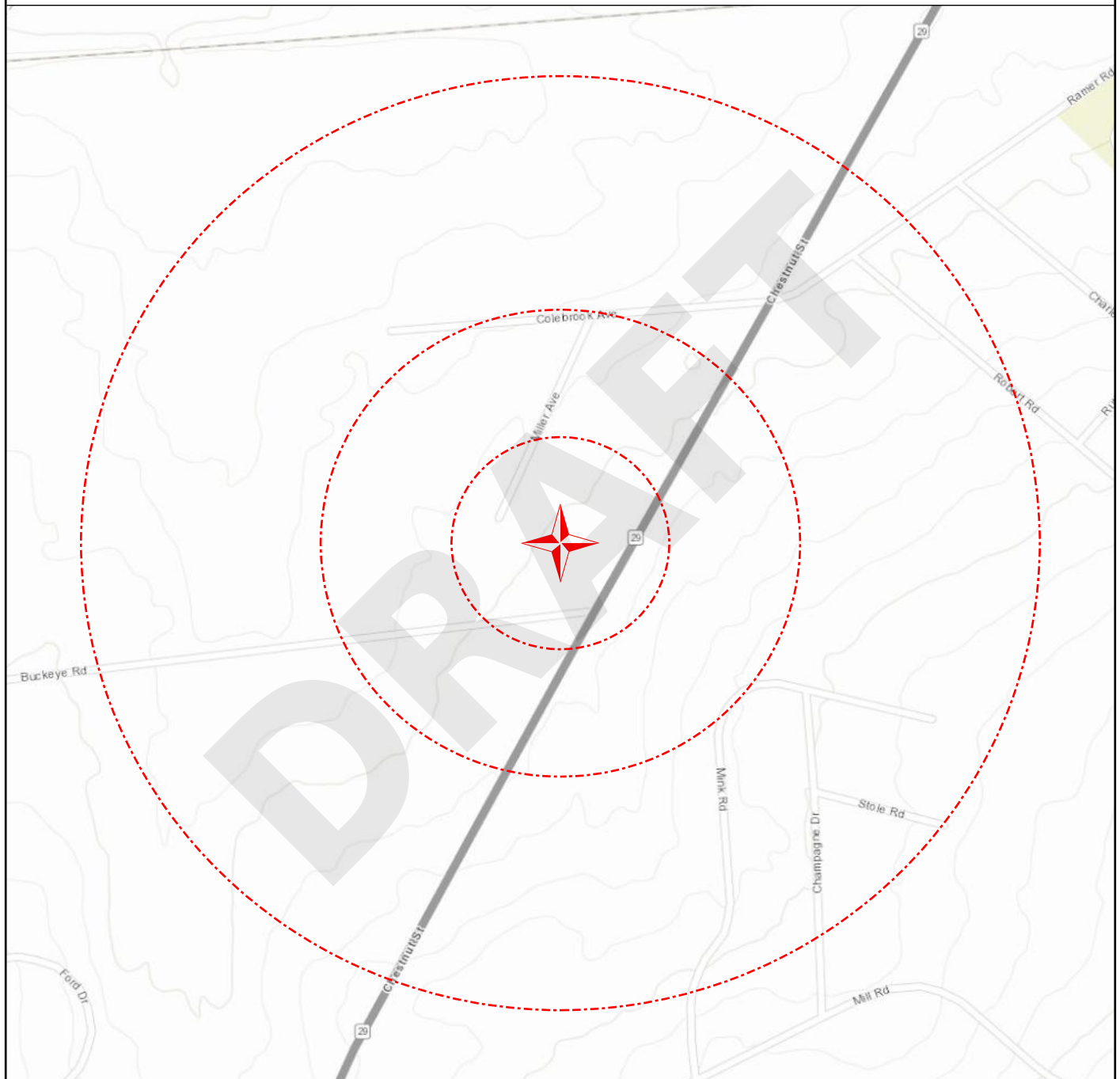
+ Subject Property

● Equal/Higher Elevation

● Lower Elevation

SUBJECT NAME: 4094 Chestnut St
ADDRESS: 4094 Chestnut St, Emmanus, PA 18049
LAT/LONG: 40.519216 / -75.521946

PREPARED FOR: Coventry Environmental Associates LLC
ORDER #: 27567
REPORT DATE: February 28, 2019



+ Subject Property

● Equal/Higher Elevation

● Lower Elevation

No unmappable sites reported.

DRAFT

SUBJECT PROPERTY ADDRESS:

4094 Chestnut St
4094 Chestnut St
Emmanuel, PA 18049

SUBJECT PROPERTY COORDINATES:

Latitude(North):	40.519216 - 40°31'9.2"
Longitude(West):	-75.521946 - -75°31'19"
Universal Transverse Mercator:	Zone 18N
UTM X (Meters):	455786.05
UTM Y (Meters):	4485518.60

ELEVATION:

Elevation: 452.513 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	40075-E5 Allentown West, PA
Most Recent Revision:	2016

GEOHYDROLOGY DATA:**SUBJECT PROPERTY TOPOGRAPHY:**

Topographic Gradient: West

DFIRM FLOOD ZONE:

DFIRM Flood	
Subject Property County:	Electronic Data:
LEHIGH	N/R
Flood Plain Panel at Subject Property:	N/R
Additional Panels in search area:	N/R

FEMA FLOOD ZONE:

FEMA Flood	
Subject Property County:	Electronic Data:
LEHIGH	N/R
Flood Plain Panel at Subject Property:	N/R
Additional Panels in search area:	N/R

NATIONAL WETLAND INVENTORY:

NWI Electronic	
<u>NWI Quad at Subject Property:</u>	<u>Data Coverage:</u>
No available data	No available data

LITHOSTRATIGRAPHIC INFORMATION:

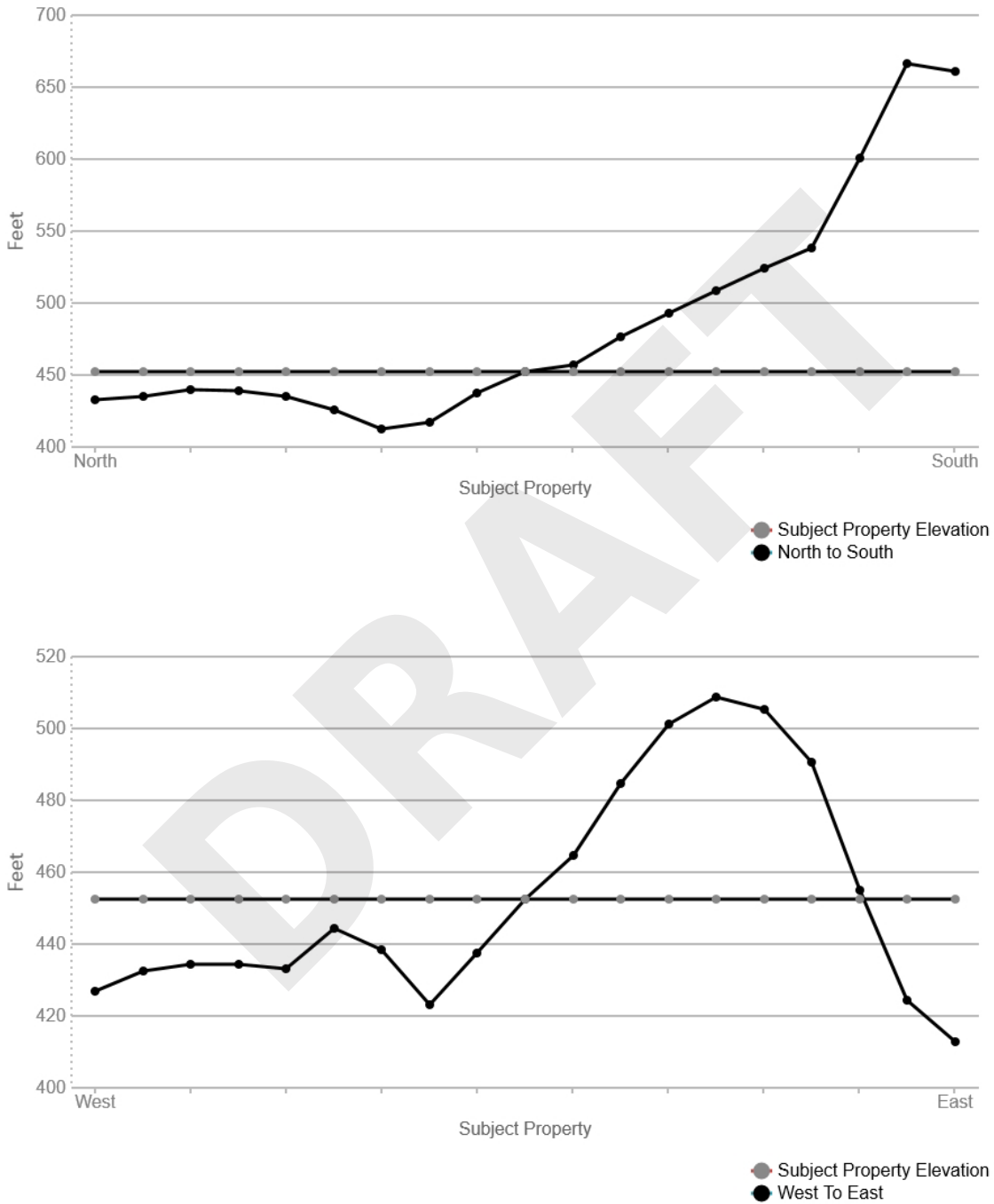
ROCK STRATIGRAPHIC UNIT:

GEOLOGIC AGE IDENTIFICATION

Era:	Not Searched	Category: Not Searched
System:	Not Searched	
Series:	Not Searched	
Code:	Not Searched	

DRAFT

SURROUNDING ELEVATION PROFILES:



SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Not Searched

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

<u>DATABASE:</u>	<u>SEARCH DISTANCE (MILES):</u>
NWIS	1.000
PWS	1.000
WELLS - PA	1.000

<u>DISTANCE TO NEAREST:</u>	<u>DISTANCE:</u>
NWIS	0.041 mi / 216 ft
PWS	0.104 mi / 549 ft
WELLS - PA	0.072 mi / 381 ft

FEDERAL WATER AGENCY DATA SUMMARY:

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
1	403110075311801	< 1/8 Mile ENE
3	PA3390310	< 1/8 Mile NE
A4	PA3390924	< 1/8 Mile NNW
5	PA3390421	1/8 - 1/4 Mile N
A7	PA3390931	1/8 - 1/4 Mile NNW
A8	403117075312301	1/8 - 1/4 Mile NNW
10	403117075311501	1/8 - 1/4 Mile NNE
11	01451451	1/8 - 1/4 Mile SW
12	PA3390417	1/8 - 1/4 Mile NE
B15	PA3390416	1/4 - 1/2 Mile SSW
D17	PA3390418	1/4 - 1/2 Mile S
F28	403050075313501	1/4 - 1/2 Mile SW
29	PA3390008	1/4 - 1/2 Mile NW
30	403102075314801	1/4 - 1/2 Mile WSW
G31	PA3390953	1/4 - 1/2 Mile NE
F32	403049075313601	1/4 - 1/2 Mile SW
G34	403128075310201	1/4 - 1/2 Mile NE
38	PA3390925	1/4 - 1/2 Mile NNW
39	PA3390976	1/2 - 1 Mile NE
41	PA3390917	1/2 - 1 Mile W
44	403041075313001	1/2 - 1 Mile SSW
51	403112075320301	1/2 - 1 Mile W
68	403117075303101	1/2 - 1 Mile E
83	403101075321601	1/2 - 1 Mile W
85	403035075315701	1/2 - 1 Mile SW
L86	403153075311201	1/2 - 1 Mile N
L90	PA3391043	1/2 - 1 Mile NNE
93	403152075305101	1/2 - 1 Mile NE
94	403148075303801	1/2 - 1 Mile NE
N96	403032075303401	1/2 - 1 Mile SE

Note: PWS System location is not always the same as well location.

STATE/LOCAL WATER AGENCY DATA SUMMARY:

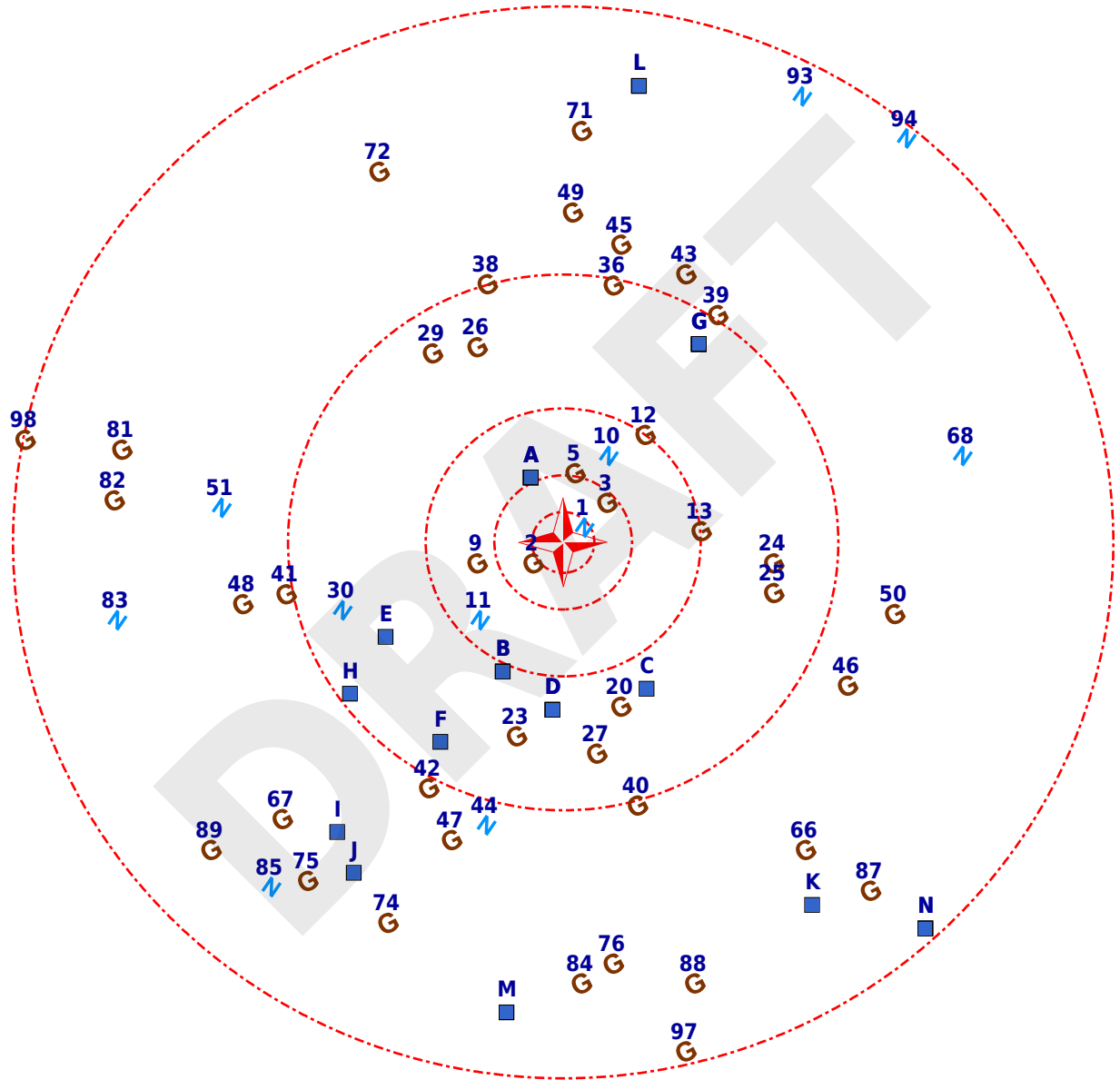
<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
2	183846	< 1/8 Mile WSW
A6	183913	1/8 - 1/4 Mile NW
9	184037	1/8 - 1/4 Mile W
13	184038	1/8 - 1/4 Mile E
B14	184346	1/4 - 1/2 Mile SSW

STATE/LOCAL WATER AGENCY DATA SUMMARY: (cont.)

MAP ID:	WELL ID:	LOCATION FROM SP:
C16	183857	1/4 - 1/2 Mile SE
D18	184349	1/4 - 1/2 Mile S
C19	184354	1/4 - 1/2 Mile SE
20	184350	1/4 - 1/2 Mile SSE
E21	184281	1/4 - 1/2 Mile WSW
E22	184284	1/4 - 1/2 Mile WSW
23	184355	1/4 - 1/2 Mile SSW
24	184050	1/4 - 1/2 Mile E
25	183985	1/4 - 1/2 Mile E
26	184347	1/4 - 1/2 Mile NNW
27	183916	1/4 - 1/2 Mile S
G33	183984	1/4 - 1/2 Mile NE
H35	184058	1/4 - 1/2 Mile WSW
36	184348	1/4 - 1/2 Mile NNE
H37	184345	1/4 - 1/2 Mile WSW
40	184026	1/2 - 1 Mile SSE
42	184343	1/2 - 1 Mile SW
43	183986	1/2 - 1 Mile NNE
45	183852	1/2 - 1 Mile NNE
46	184049	1/2 - 1 Mile ESE
47	184047	1/2 - 1 Mile SSW
48	183836	1/2 - 1 Mile W
49	183980	1/2 - 1 Mile N
50	184044	1/2 - 1 Mile E
I52	184333	1/2 - 1 Mile SW
I53	184334	1/2 - 1 Mile SW
I54	184335	1/2 - 1 Mile SW
I55	184331	1/2 - 1 Mile SW
I56	184332	1/2 - 1 Mile SW
I57	184336	1/2 - 1 Mile SW
I58	184337	1/2 - 1 Mile SW
J59	184338	1/2 - 1 Mile SW
J60	184339	1/2 - 1 Mile SW
J61	184340	1/2 - 1 Mile SW
J62	184341	1/2 - 1 Mile SW
J63	184342	1/2 - 1 Mile SW
J64	183884	1/2 - 1 Mile SW
J65	183883	1/2 - 1 Mile SW
66	184023	1/2 - 1 Mile SE
67	184344	1/2 - 1 Mile SW
J69	183882	1/2 - 1 Mile SW
J70	183881	1/2 - 1 Mile SW
71	181296	1/2 - 1 Mile N
72	80646	1/2 - 1 Mile NNW
J73	183880	1/2 - 1 Mile SW
74	183917	1/2 - 1 Mile SSW
75	184330	1/2 - 1 Mile SW
76	184351	1/2 - 1 Mile S
K77	184356	1/2 - 1 Mile SE
K78	184357	1/2 - 1 Mile SE
K79	184358	1/2 - 1 Mile SE
K80	184359	1/2 - 1 Mile SE
81	181227	1/2 - 1 Mile W
82	181228	1/2 - 1 Mile W
84	184025	1/2 - 1 Mile S
87	184292	1/2 - 1 Mile SE
88	184046	1/2 - 1 Mile SSE
89	183891	1/2 - 1 Mile SW
M91	184028	1/2 - 1 Mile S
M92	184352	1/2 - 1 Mile S
N95	184363	1/2 - 1 Mile SE
97	184024	1/2 - 1 Mile SSE
98	181279	1/2 - 1 Mile W

SUBJECT NAME: 4094 Chestnut St
 ADDRESS: 4094 Chestnut St, Emmanus, PA 18049
 LAT/LONG: 40.519216 / -75.521946

PREPARED FOR: Coventry Environmental Associates LLC
 ORDER #: 27567
 REPORT DATE: February 28, 2019



★ Subject Property
 N NWIS

■ Geologic Cluster

■ Geologic Cluster with Water Well

G Geological Site

Map Id: 1
Direction: ENE
Distance: 0.041 mi.
Actual: 216.215 ft.
Elevation: 0.086 mi. / 452.94 ft.
Relative: Higher

Site Name : 403110075311801
40.51954200, -75.52129550
PA
Database(s) : [NWIS]

Envirosite ID: 404691440
EPA ID: N/R

NWIS

Site Identification Number : 403110075311801
Site Type : Well
Station Name : LE 694
Agency : U.S. Geological Survey
District : Pennsylvania
State : PA
County : Lehigh County
Country : USA
Land Net Location : N/R
Name of Location Map : ALLENTOWN WEST
Scale of Location Map : 24000
Altitude of Gage/Land Surface : N/R
Method Altitude Determined : N/R
Altitude Accuracy : N/R
Altitude Datum : N/R
Hydrologic Unit : Lehigh
Drainage Basin : N/R
Topographic Setting : Hillside
Flags for the Type of Data Collected: N/R
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction : 1964
Date Site Established or Inventoried: N/R
Drainage Area : N/R
Contributing Drainage Area : N/R
Data Reliability : Data have been checked by the reporting agency.
Data-other GW Files : YYNNNNNN
National Aquifer : Piedmont and Blue Ridge crystalline-rock aquifers
Local Aquifer : Hardyston Quartzite
Local Aquifer Type : N/R
Well Depth : 162
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : 0
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : 0
Water-Quality Data Begin Date : 06/13/1967
Water-Quality Data End Date : 06/13/1967
Water-Quality Data Count : 1
Field Water-Level Data Begin Date : N/R
Field Water-Level Data End Date : N/R
Field Water-Level Data Count : 0
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.51954200
Longitude : -75.52129550
Last Date in Agency List : 11/23/2018

Map Id: 2
 Direction: WSW
 Distance: 0.072 mi.
 Actual: 380.516 ft.
 Elevation: 0.085 mi. / 446.923 ft.
 Relative: Lower

Site Name : 183846
 40.51860999999999, -75.52306
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132871
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183846
 Owner : HERBEIN J
 Yield GPM : 10
 Casing Top : 0 / 73 / 6
 Licensee : REITH BROS INC
 Local Well Number : 1810N
 Date Drilled : 09/01/1985
 Well Depth : 150
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : LEITHSVILLE FORMATION
 WQ Data : 0
 Depth to Bed : 63
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.51860999999999
 Longitude : -75.52306

Map Id: 3
 Direction: NE
 Distance: 0.104 mi.
 Actual: 549.009 ft.
 Elevation: 0.085 mi. / 450.016 ft.
 Relative: Lower

Site Name : PA3390310
 4033 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS]

Envirosite ID: 401273292
EPA ID: N/R

PWS

Facility Address : 4033 CHESTNUT STREET, EMMAUS, PA 18049

PWS ID : PA3390310
 PWS Type : Transient non-community system
 PWS Name : LOUIES BAKERY
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 25
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : <=100
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 03/22/2018

Map Id: 3
 Direction: NE
 Distance: 0.104 mi.
 Actual: 549.009 ft.
 Elevation: 0.085 mi. / 450.016 ft.
 Relative: Lower

Site Name : PA3390310
 4033 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS] (**cont.**)

Envirosite ID: 401273292
EPA ID: N/R

PWS (**cont.**)

Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : LOUIES BAKERY
 EPA Region : Region 3
 Admin Name : JOANNE KERN
 Owner Type : Public/Private
 Phone Number : N/R
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358230637
EPA ID: N/R

PWS

Facility Address : 4702 COLEBROOK AVE, EMMAUS, PA 18049
 PWS ID : PA3390924
 PWS Type : Non-Transient non-community system
 PWS Name : LEHIGH VALLET BAPTIST CHURCH
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS (**cont.**)

Population Served Count : 125
 Service Connections Count : 2
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : 101-500
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 09/07/1989
 Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : Y
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : LEHIGH VALLET BAPTIST CHURCH
 EPA Region : Region 3
 Admin Name : ROLAND HAMMETT
 Owner Type : Private
 Phone Number : 610-965-4700
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTRC Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4702 COLEBROOK AVE, EMMAUS, PA 18049

PWS ID : PA3390924
 PWS Name : LEHIGH VALLET BAPTIST CHURCH
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Non-Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Active
 Deactivation Date : N/R

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Owner Type : Private
 Phone Number : 610-965-4700
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : 01E0003
 Violation ID : 0111787
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Arsenic
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Arsenic
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0003
 Violation ID : 0111788
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Barium
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Inorganic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0003
 Violation ID : 0111789
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Cadmium
 Rule Family : Inorganic Chemicals

Map Id: A4
Direction: NNW
Distance: 0.123 mi.
Actual: 650.168 ft.
Elevation: 0.081 mi. / 426.365 ft.
Relative: Lower

Site Name : PA3390924
4702 COLEBROOK AVE
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Rule Group : Chemicals
Rule Name : Inorganic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 02/21/2001
Enforcement Action Description : State Compliance achieved
Admin Name : ROLAND HAMMETT
Email Address : N/R

RTC Enforcement ID : 01E0003
Violation ID : 0111790
Submission Year : 2018
Violation First Reported Date : 11/01/2001
Contaminant Name : Chromium
Rule Family : Inorganic Chemicals
Rule Group : Chemicals
Rule Name : Inorganic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 02/21/2001
Enforcement Action Description : State Compliance achieved
Admin Name : ROLAND HAMMETT
Email Address : N/R

RTC Enforcement ID : 01E0003
Violation ID : 0111791
Submission Year : 2018
Violation First Reported Date : 11/01/2001
Contaminant Name : CYANIDE
Rule Family : Inorganic Chemicals
Rule Group : Chemicals
Rule Name : Inorganic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 02/21/2001
Enforcement Action Description : State Compliance achieved
Admin Name : ROLAND HAMMETT

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Email Address :	N/R
RTC Enforcement ID :	01E0003
Violation ID :	0111792
Submission Year :	2018
Violation First Reported Date :	11/01/2001
Contaminant Name :	Fluoride
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4702 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	02/21/2001
Enforcement Action Description :	State Compliance achieved
Admin Name :	ROLAND HAMMETT
Email Address :	N/R
RTC Enforcement ID :	01E0003
Violation ID :	0111793
Submission Year :	2018
Violation First Reported Date :	11/01/2001
Contaminant Name :	Mercury
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4702 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	02/21/2001
Enforcement Action Description :	State Compliance achieved
Admin Name :	ROLAND HAMMETT
Email Address :	N/R
RTC Enforcement ID :	01E0003
Violation ID :	0111794
Submission Year :	2018
Violation First Reported Date :	11/01/2001
Contaminant Name :	Nickel
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0003
 Violation ID : 0111795
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Selenium
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Inorganic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0003
 Violation ID : 0111796
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Antimony, Total
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Inorganic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 01E0003
 Violation ID : 0111797
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Beryllium, Total
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Inorganic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0003
 Violation ID : 0111798
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Thallium, Total
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Inorganic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/21/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0005
 Violation ID : 0111799
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Nitrate
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Nitrates
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 06/07/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 01E0005
 Violation ID : 0111800
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Vinyl chloride
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 06/07/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 120737316001
 Violation ID : 1207373
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/13/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 140714326001
 Violation ID : 1407143
 Submission Year : 2018
 Violation First Reported Date : 02/18/2014

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : Asbestos
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Inorganic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/29/2014
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 161844739001
 Violation ID : 1618447
 Submission Year : 2018
 Violation First Reported Date : 06/13/2016
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 05/12/2016
 Enforcement Action Description : State Compliance achieved
 Admin Name : ROLAND HAMMETT
 Email Address : N/R

RTC Enforcement ID : 92E0001
 Violation ID : 9214263
 Submission Year : 2018
 Violation First Reported Date : 02/14/1992
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4702 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/01/1992

Map Id: A4
 Direction: NNW
 Distance: 0.123 mi.
 Actual: 650.168 ft.
 Elevation: 0.081 mi. / 426.365 ft.
 Relative: Lower

Site Name : PA3390924
 4702 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358230637
EPA ID: N/R

PWS ENF (**cont.**)

Enforcement Action Description :	State Compliance achieved
Admin Name :	ROLAND HAMMETT
Email Address :	N/R

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358294925
EPA ID: N/R

PWS

Facility Address : 4591 COLEBROOK AVE, EMMAUS, PA 18049

PWS ID :	PA3390421
PWS Type :	Non-Transient non-community system
PWS Name :	CLEMENS FOOD GROUP EMMAUS
Activity Status :	Active
Primary Source :	Ground water
Submission Year :	2018
Submission Year Quarter :	2018Q3
Population Served Count :	35
Service Connections Count :	1
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	3
Submission Status Code :	Y
First Reported Date :	02/12/1979
Last Reported Date :	09/18/2018
Deactivation Date :	N/R
GW or SW :	Groundwater
Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	Pennsylvania
Primacy Type :	State
Org Name :	CLEMENS FOOD GROUP EMMAUS
EPA Region :	Region 3
Admin Name :	WILLIAM FINK
Owner Type :	Private
Phone Number :	215-368-2500
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	N/R
Fax Number :	N/R
Is Wholesaler :	N

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS (**cont.**)

LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4591 COLEBROOK AVE, EMMAUS, PA 18049

PWS ID : PA3390421
 PWS Name : CLEMENS FOOD GROUP EMMAUS
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Non-Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Active
 Deactivation Date : N/R
 Owner Type : Private
 Phone Number : 215-368-2500
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : 00E0004
 Violation ID : 0026475
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : 1,2,4-Trichlorobenzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

Map Id: 5
Direction: N
Distance: 0.126 mi.
Actual: 663.197 ft.
Elevation: 0.082 mi. / 431.378 ft.
Relative: Lower

Site Name : PA3390421
4591 COLEBROOK AVE
EMMAUS, PA 18049

Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (cont.)

RTC Enforcement ID : 00E0004
Violation ID : 0026476
Submission Year : 2018
Violation First Reported Date : 11/01/2001
Contaminant Name : cis-1,2-Dichloroethylene
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 09/11/2000
Enforcement Action Description : State Compliance achieved
Admin Name : WILLIAM FINK
Email Address : N/R

RTC Enforcement ID : 00E0004
Violation ID : 0026477
Submission Year : 2018
Violation First Reported Date : 11/01/2001
Contaminant Name : Xylenes, Total
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 09/11/2000
Enforcement Action Description : State Compliance achieved
Admin Name : WILLIAM FINK
Email Address : N/R

RTC Enforcement ID : 00E0004
Violation ID : 0026478
Submission Year : 2018
Violation First Reported Date : 11/01/2001
Contaminant Name : DICHLOROMETHANE
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026479
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : o-Dichlorobenzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026480
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : p-Dichlorobenzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026481
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : 1,1-Dichloroethylene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026482
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : trans-1,2-Dichloroethylene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026483
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : 1,2-Dichloroethane
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000

Map Id: 5
Direction: N
Distance: 0.126 mi.
Actual: 663.197 ft.
Elevation: 0.082 mi. / 431.378 ft.
Relative: Lower

Site Name : PA3390421
4591 COLEBROOK AVE
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (cont.)

Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R
RTC Enforcement ID :	00E0004
Violation ID :	0026484
Submission Year :	2018
Violation First Reported Date :	11/01/2001
Contaminant Name :	1,1,1-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	09/11/2000
Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R
RTC Enforcement ID :	00E0004
Violation ID :	0026485
Submission Year :	2018
Violation First Reported Date :	11/01/2001
Contaminant Name :	Carbon tetrachloride
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	09/11/2000
Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R
RTC Enforcement ID :	00E0004
Violation ID :	0026486
Submission Year :	2018
Violation First Reported Date :	11/01/2001
Contaminant Name :	1,2-Dichloropropane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026487
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Trichloroethylene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026488
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : 1,1,2-Trichloroethane
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 00E0004
 Violation ID : 0026489
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Tetrachloroethylene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026490
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : CHLOROBENZENE
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026491
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Benzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026492
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Toluene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026493
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001
 Contaminant Name : Ethylbenzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 00E0004
 Violation ID : 0026494
 Submission Year : 2018
 Violation First Reported Date : 11/01/2001

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : Styrene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 09/11/2000
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 130788320001
 Violation ID : 1307883
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Nitrate
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Nitrates
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/29/2013
 Enforcement Action Description : State Compliance achieved
 Admin Name : WILLIAM FINK
 Email Address : N/R

RTC Enforcement ID : 130788320001
 Violation ID : 1307884
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Nitrite
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Nitrates
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4591 COLEBROOK AVE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/29/2013

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R
RTC Enforcement ID :	144465220001
Violation ID :	1344652
Submission Year :	2018
Violation First Reported Date :	02/25/2015
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	10/31/2013
Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R
RTC Enforcement ID :	174149239001
Violation ID :	1641492
Submission Year :	2018
Violation First Reported Date :	12/09/2016
Contaminant Name :	Lead and Copper Rule
Rule Family :	Lead and Copper Rule
Rule Group :	Chemicals
Rule Name :	Lead and Copper Rule
Violation Type :	Follow-up Or Routine LCR Tap M/R
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	01/04/2017
Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R
RTC Enforcement ID :	182168850002
Violation ID :	1821688
Submission Year :	2018
Violation First Reported Date :	09/18/2018
Contaminant Name :	Chlorine
Rule Family :	Stage 1 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 1 Disinfectants and Disinfection Byproducts Rule

Map Id: 5
 Direction: N
 Distance: 0.126 mi.
 Actual: 663.197 ft.
 Elevation: 0.082 mi. / 431.378 ft.
 Relative: Lower

Site Name : PA3390421
 4591 COLEBROOK AVE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294925
EPA ID: N/R

PWS ENF (**cont.**)

Violation Type :	Monitoring and Reporting (DBP)
Is Health Based :	N
Is Major Violation :	N
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4591 COLEBROOK AVE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	08/22/2018
Enforcement Action Description :	State Compliance achieved
Admin Name :	WILLIAM FINK
Email Address :	N/R

Map Id: A6
 Direction: NW
 Distance: 0.128 mi.
 Actual: 673.591 ft.
 Elevation: 0.081 mi. / 429.757 ft.
 Relative: Lower

Site Name : 183913
 40.5205599999999, -75.5236099999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132899
EPA ID: N/R

WELLS - PA

PAGWIS ID :	183913
Owner :	L V BAPTIST CHURCH
Yield GPM :	50
Casing Top :	0 / 182 / 6
Licensee :	N/R
Local Well Number :	3279N
Date Drilled :	03/01/1988
Well Depth :	215
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	LEITHSVILLE FORMATION
WQ Data :	0
Depth to Bed :	170
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5205599999999
Longitude :	-75.5236099999999

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358159140
EPA ID: N/R

PWS

Facility Address : 4651 COLEBROOK AVENUE, EMMAUS, PA 18049

PWS ID : PA3390931
 PWS Type : Transient non-community system
 PWS Name : ELITE SPORTS ACADEMY
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 150
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : 101-500
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 09/07/1989
 Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : ELITE SPORTS ACADEMY
 EPA Region : Region 3
 Admin Name : STEVE RAU
 Owner Type : Private
 Phone Number : 610-928-0230
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4651 COLEBROOK AVENUE, EMMAUS, PA 18049

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

PWS ID :	PA3390931
PWS Name :	ELITE SPORTS ACADEMY
EPA Region :	Region 3
Primacy Agency :	Pennsylvania
PWS Type :	Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	610-928-0230
Last Date in Agency List :	10/18/2018

Violation Details

RTC Enforcement ID :	06008532001
Violation ID :	9505020
Submission Year :	2018
Violation First Reported Date :	08/25/2001
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	03/03/2006
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R

RTC Enforcement ID :	06008532001
Violation ID :	9505021
Submission Year :	2018
Violation First Reported Date :	08/25/2001
Contaminant Name :	Nitrite
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	03/03/2006
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

Email Address : N/R

RTC Enforcement ID : 06008532001
 Violation ID : 9500853
 Submission Year : 2018
 Violation First Reported Date : 02/07/1997
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/03/2006
 Enforcement Action Description : State Compliance achieved
 Admin Name : STEVE RAU
 Email Address : N/R

RTC Enforcement ID : 061695580001
 Violation ID : 9316955
 Submission Year : 2018
 Violation First Reported Date : 11/30/1993
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/23/2006
 Enforcement Action Description : State Compliance achieved
 Admin Name : STEVE RAU
 Email Address : N/R

RTC Enforcement ID : 063475574001
 Violation ID : 9234755
 Submission Year : 2018
 Violation First Reported Date : 12/30/1992
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	03/24/2006
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R
RTC Enforcement ID :	082153082001
Violation ID :	0821530
Submission Year :	2018
Violation First Reported Date :	11/20/2008
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	09/23/2008
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R
RTC Enforcement ID :	10051753001
Violation ID :	1005175
Submission Year :	2018
Violation First Reported Date :	02/17/2010
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	07/14/2010
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 10132133001
 Violation ID : 1013213
 Submission Year : 2018
 Violation First Reported Date : 05/13/2010
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 07/14/2010
 Enforcement Action Description : State Compliance achieved
 Admin Name : STEVE RAU
 Email Address : N/R

RTC Enforcement ID : 10165622002
 Violation ID : 1016562
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/13/2010
 Enforcement Action Description : State Compliance achieved
 Admin Name : STEVE RAU
 Email Address : N/R

RTC Enforcement ID : 11213688001
 Violation ID : 1121368
 Submission Year : 2018
 Violation First Reported Date : 06/20/2011
 Contaminant Name : Public Notice
 Rule Family : Public Notice Rule
 Rule Group : Other
 Rule Name : Public Notice Rule
 Violation Type : Public Notification Violation for NPDPWR Violation
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: A7
Direction: NNW
Distance: 0.131 mi.
Actual: 692.682 ft.
Elevation: 0.081 mi. / 425.121 ft.
Relative: Lower

Site Name : PA3390931
4651 COLEBROOK AVENUE
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 05/31/2011
Enforcement Action Description : State Compliance achieved
Admin Name : STEVE RAU
Email Address : N/R

RTC Enforcement ID : 170272445002
Violation ID : 1702724
Submission Year : 2018
Violation First Reported Date : 02/24/2017
Contaminant Name : Revised Total Coliform Rule
Rule Family : Total Coliform Rules
Rule Group : Microbials
Rule Name : Revised Total Coliform Rule
Violation Type : Monitoring, Routine (RTCR)
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 12/23/2016
Enforcement Action Description : State Compliance achieved
Admin Name : STEVE RAU
Email Address : N/R

RTC Enforcement ID : 171572345003
Violation ID : 1715723
Submission Year : 2018
Violation First Reported Date : 05/22/2017
Contaminant Name : Revised Total Coliform Rule
Rule Family : Total Coliform Rules
Rule Group : Microbials
Rule Name : Revised Total Coliform Rule
Violation Type : Monitoring, Routine (RTCR)
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 04/28/2017
Enforcement Action Description : State Compliance achieved
Admin Name : STEVE RAU
Email Address : N/R

RTC Enforcement ID : 181687551001
Violation ID : 1816875
Submission Year : 2018
Violation First Reported Date : 09/18/2018

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name :
 Rule Family :
 Rule Group :
 Rule Name :
 Violation Type :
 Is Health Based :
 Is Major Violation :
 Severity Indicator Count :
 Public Notification Tier :
 Address Line 1 :
 Address Line 2 :
 Compliance Status :
 RTC Date :
 Enforcement Action Description :
 Admin Name :
 Email Address :

Revised Total Coliform Rule
 Total Coliform Rules
 Microbials
 Revised Total Coliform Rule
 Monitoring, Routine (RTCR)
 N
 Y
 N/R
 3
 4651 COLEBROOK AVENUE, EMMAUS, 18049
 N/R
 Returned to Compliance
 06/18/2018
 State Compliance achieved
 STEVE RAU
 N/R

RTC Enforcement ID :
 Violation ID :
 Submission Year :
 Violation First Reported Date :
 Contaminant Name :
 Rule Family :
 Rule Group :
 Rule Name :
 Violation Type :
 Is Health Based :
 Is Major Violation :
 Severity Indicator Count :
 Public Notification Tier :
 Address Line 1 :
 Address Line 2 :
 Compliance Status :
 RTC Date :
 Enforcement Action Description :
 Admin Name :
 Email Address :

183242146004
 1732421
 2018
 11/22/2017
 Revised Total Coliform Rule
 Total Coliform Rules
 Microbials
 Revised Total Coliform Rule
 Monitoring, Routine (RTCR)
 N
 Y
 N/R
 3
 4651 COLEBROOK AVENUE, EMMAUS, 18049
 N/R
 Returned to Compliance
 10/24/2017
 State Compliance achieved
 STEVE RAU
 N/R

RTC Enforcement ID :
 Violation ID :
 Submission Year :
 Violation First Reported Date :
 Contaminant Name :
 Rule Family :
 Rule Group :
 Rule Name :
 Violation Type :
 Is Health Based :
 Is Major Violation :
 Severity Indicator Count :
 Public Notification Tier :
 Address Line 1 :
 Address Line 2 :
 Compliance Status :
 RTC Date :

97E0004
 9710821
 2018
 07/19/1997
 Coliform (TCR)
 Total Coliform Rules
 Microbials
 Total Coliform Rule
 Monitoring, Routine Major (TCR)
 N
 Y
 N/R
 3
 4651 COLEBROOK AVENUE, EMMAUS, 18049
 N/R
 Returned to Compliance
 04/17/1997

Map Id: A7
 Direction: NNW
 Distance: 0.131 mi.
 Actual: 692.682 ft.
 Elevation: 0.081 mi. / 425.121 ft.
 Relative: Lower

Site Name : PA3390931
 4651 COLEBROOK AVENUE
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358159140
EPA ID: N/R

PWS ENF (**cont.**)

Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R
RTC Enforcement ID :	98E0004
Violation ID :	9854420
Submission Year :	2018
Violation First Reported Date :	12/05/1998
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	12/09/1998
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R
RTC Enforcement ID :	99E0001
Violation ID :	9900239
Submission Year :	2018
Violation First Reported Date :	02/20/1999
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	12/07/1998
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R
RTC Enforcement ID :	99E0001
Violation ID :	9900241
Submission Year :	2018
Violation First Reported Date :	02/20/1999
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule

Envirosite ID: 358159140
EPA ID: N/R

Violation Type :	Monitoring, Repeat Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4651 COLEBROOK AVENUE, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	12/07/1998
Enforcement Action Description :	State Compliance achieved
Admin Name :	STEVE RAU
Email Address :	N/R

Envirosearch ID: 404671954
EPA ID: N/R

Site Identification Number :	403117075312301
Site Type :	Well
Station Name :	LE 841
Agency :	U.S. Geological Survey
District :	Pennsylvania
State :	PA
County :	Lehigh County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	ALLENTOWN WEST
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	420
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lehigh
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	N/R
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	01/01/1960
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNYNNNN
National Aquifer :	Valley and Ridge aquifers
Local Aquifer :	Leithsville Formation
Local Aquifer Type :	N/R
Well Depth :	185

Map Id: A8
 Direction: NNW
 Distance: 0.161 mi.
 Actual: 852.133 ft.
 Elevation: 0.08 mi. / 422.064 ft.
 Relative: Lower

Site Name : 403117075312301
 40.52148640, -75.52268449
 PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 404671954
EPA ID: N/R

NWIS (*cont.*)

Hole Depth : N/R
 Source of Depth Data : N/R
 Project Number : N/R
 Real-Time Data Flag : 0
 Peak-Streamflow Data Begin Date : N/R
 Peak-Streamflow Data End Date : N/R
 Peak-Streamflow Data Count : 0
 Water-Quality Data Begin Date : N/R
 Water-Quality Data End Date : N/R
 Water-Quality Data Count : 0
 Field Water-Level Data Begin Date : 08/01/1967
 Field Water-Level Data End Date : 08/01/1967
 Field Water-Level Data Count : 1
 Site-Visit Data Begin Date : N/R
 Site-Visit Data End Date : N/R
 Site-Visit Data Count : 0
 Latitude : 40.52148640
 Longitude : -75.52268449
 Last Date in Agency List : 11/23/2018

Map Id: 9
 Direction: W
 Distance: 0.166 mi.
 Actual: 877.463 ft.
 Elevation: 0.081 mi. / 427.769 ft.
 Relative: Lower

Site Name : 184037
 40.51860999999999, -75.525
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132960
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184037
 Owner : HINNERSCHEITZ JOHN
 Yield GPM : 75
 Casing Top : 0 / 145 / 6
 Licensee : N/R
 Local Well Number : 3404N
 Date Drilled : 08/01/1990
 Well Depth : 180
 Static Level : 75
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : LEITHSVILLE FORMATION
 WQ Data : 0
 Depth to Bed : 30
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.51860999999999
 Longitude : -75.525

Envirosite ID: 404754842
EPA ID: N/R

Site Identification Number :	403117075311501
Site Type :	Well
Station Name :	LE 998
Agency :	U.S. Geological Survey
District :	Pennsylvania
State :	PA
County :	Lehigh County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	ALLENTOWN WEST
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	435
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lehigh
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	N/R
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1965
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNN
National Aquifer :	Valley and Ridge aquifers
Local Aquifer :	Leithsville Formation
Local Aquifer Type :	N/R
Well Depth :	160
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	05/14/1968
Field Water-Level Data End Date :	05/14/1968
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	40.52148647
Longitude :	-75.52046218
Last Date in Agency List :	11/23/2018

Site Name : 01451451
40.51704200, -75.52490680
PA

Database(s) : [NWIS]

NWIS

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Map Id: 12
 Direction: NE
 Distance: 0.246 mi.
 Actual: 1299.476 ft.
 Elevation: 0.083 mi. / 438.091 ft.
 Relative: Lower

Site Name : PA3390417
 3941 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358158837
EPA ID: N/R

PWS

Facility Address : 3941 CHESTNUT STREET, EMMAUS, PA 18049

PWS ID : PA3390417
 PWS Type : Transient non-community system
 PWS Name : BIG WOODYS
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 400
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : 101-500
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 02/12/1979
 Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : BIG WOODYS
 EPA Region : Region 3
 Admin Name : CHAD MARCKS
 Owner Type : Private
 Phone Number : 610-966-1996
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 3941 CHESTNUT STREET, EMMAUS, PA 18049

Map Id: 12
 Direction: NE
 Distance: 0.246 mi.
 Actual: 1299.476 ft.
 Elevation: 0.083 mi. / 438.091 ft.
 Relative: Lower

Site Name : PA3390417
 3941 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358158837
EPA ID: N/R

PWS ENF (**cont.**)

PWS ID : PA3390417
 PWS Name : BIG WOODYS
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Active
 Deactivation Date : N/R
 Owner Type : Private
 Phone Number : 610-966-1996
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : 132141320001
 Violation ID : 1321413
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Minor (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3941 CHESTNUT STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2013
 Enforcement Action Description : State Compliance achieved
 Admin Name : CHAD MARCKS
 Email Address : N/R

RTC Enforcement ID : 132141320001
 Violation ID : 1321414
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : E. COLI
 Rule Family : Groundwater Rule
 Rule Group : Microbials
 Rule Name : Ground Water Rule
 Violation Type : Monitoring, Source Water (GWR)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3941 CHESTNUT STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2013
 Enforcement Action Description : State Compliance achieved
 Admin Name : CHAD MARCKS

Map Id: 12
 Direction: NE
 Distance: 0.246 mi.
 Actual: 1299.476 ft.
 Elevation: 0.083 mi. / 438.091 ft.
 Relative: Lower

Site Name : PA3390417
 3941 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358158837
EPA ID: N/R

PWS ENF (**cont.**)

Email Address :	N/R
RTC Enforcement ID :	161513238001
Violation ID :	1615132
Submission Year :	2018
Violation First Reported Date :	06/13/2016
Contaminant Name :	Revised Total Coliform Rule
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Revised Total Coliform Rule
Violation Type :	Sample Siting Plan Errors (RTCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	3941 CHESTNUT STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	05/20/2016
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAD MARCKS
Email Address :	N/R
RTC Enforcement ID :	N/R
Violation ID :	8103298
Submission Year :	2018
Violation First Reported Date :	09/30/1981
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	3941 CHESTNUT STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	State Violation/Reminder Notice
Admin Name :	CHAD MARCKS
Email Address :	N/R

Map Id: 13
 Direction: E
 Distance: 0.249 mi.
 Actual: 1316.403 ft.
 Elevation: 0.094 mi. / 497.818 ft.
 Relative: Higher

Site Name : 184038
 40.51943999999999, -75.51721999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132962
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184038
 Owner : K&S RUMBING
 Yield GPM : 15
 Casing Top : 0 / 171 / 6
 Licensee : N/R
 Local Well Number : 3405N
 Date Drilled : 06/01/1989
 Well Depth : 175
 Static Level : 90
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 40
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.51943999999999
 Longitude : -75.51721999999999

Map Id: B14
 Direction: SSW
 Distance: 0.261 mi.
 Actual: 1380.060 ft.
 Elevation: 0.09 mi. / 474.678 ft.
 Relative: Higher

Site Name : 184346
 40.51583, -75.52416999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997149
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184346
 Owner : MILLER M
 Yield GPM : 10
 Casing Top : 0 / 80 / 6
 Licensee : REITH BROS INC
 Local Well Number : X 1489
 Date Drilled : N/R
 Well Depth : 250
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : CAMBRIAN SYSTEM
 WQ Data : 0
 Depth to Bed : 40
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST

Map Id: B14
 Direction: SSW
 Distance: 0.261 mi.
 Actual: 1380.060 ft.
 Elevation: 0.09 mi. / 474.678 ft.
 Relative: Higher

Site Name : 184346
 40.51583, -75.52416999999999
 PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 408997149
EPA ID: N/R

WELLS - PA (**cont.**)

Latitude : 40.51583
 Longitude : -75.52416999999999

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358228020
EPA ID: N/R

PWS

Facility Address : 4226 CHESTNUT ST, EMMAUS, PA 18049

PWS ID : PA3390416
 PWS Type : Transient non-community system
 PWS Name : THE TRAPP DOOR GASTROPUB
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 100
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : <=100
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 02/12/1979
 Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : THE TRAPP DOOR GASTROPUB
 EPA Region : Region 3
 Admin Name : COLLEEN SWARTZ
 Owner Type : Private
 Phone Number : 610-762-2022
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS (**cont.**)

NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4226 CHESTNUT ST, EMMAUS, PA 18049

 PWS ID : PA3390416
 PWS Name : THE TRAPP DOOR GASTROPUB
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Active
 Deactivation Date : N/R
 Owner Type : Private
 Phone Number : 610-762-2022
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : 051037763001
 Violation ID : 0510377
 Submission Year : 2018
 Violation First Reported Date : 06/07/2005
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/25/2005
 Enforcement Action Description : State Administrative Penalty assessed
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 052492962002
 Violation ID : 0524929
 Submission Year : 2018
 Violation First Reported Date : 06/07/2005
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 05/17/2005
 Enforcement Action Description : State Administrative Penalty assessed
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 052725659001
 Violation ID : 0435736
 Submission Year : 2018
 Violation First Reported Date : 09/08/2004
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 10/26/2004
 Enforcement Action Description : State Administrative Penalty assessed
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 052725659001
 Violation ID : 0427256
 Submission Year : 2018
 Violation First Reported Date : 05/25/2004
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 10/26/2004
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 110515410001
 Violation ID : 1105154
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/15/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 11220174001
 Violation ID : 1022017
 Submission Year : 2018
 Violation First Reported Date : 11/24/2010
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/15/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 11273219002
 Violation ID : 1127321
 Submission Year : 2018
 Violation First Reported Date : 08/19/2011

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/17/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 141878727001
 Violation ID : 1418787
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 05/05/2014
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 160646239001
 Violation ID : 1606462
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/25/2016

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (**cont.**)

Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 160646338002
 Violation ID : 1606463
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : E. COLI
 Rule Family : Groundwater Rule
 Rule Group : Microbials
 Rule Name : Ground Water Rule
 Violation Type : Monitoring, Source Water (GWR)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/11/2016
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 161220539003
 Violation ID : 1612205
 Submission Year : 2018
 Violation First Reported Date : 03/17/2016
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/29/2016
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : 161220539003
 Violation ID : 1612206
 Submission Year : 2018
 Violation First Reported Date : 03/17/2016
 Contaminant Name : E. COLI
 Rule Family : Groundwater Rule
 Rule Group : Microbials
 Rule Name : Ground Water Rule

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (cont.)

Violation Type :	Monitoring, Source Water (GWR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4226 CHESTNUT ST, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	02/29/2016
Enforcement Action Description :	State Compliance achieved
Admin Name :	COLLEEN SWARTZ
Email Address :	N/R
RTC Enforcement ID :	93E0006
Violation ID :	9312910
Submission Year :	2018
Violation First Reported Date :	08/25/1993
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4226 CHESTNUT ST, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	10/06/1993
Enforcement Action Description :	State Compliance achieved
Admin Name :	COLLEEN SWARTZ
Email Address :	N/R
RTC Enforcement ID :	99E0004
Violation ID :	9921480
Submission Year :	2018
Violation First Reported Date :	06/15/1999
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4226 CHESTNUT ST, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	06/04/1999
Enforcement Action Description :	State Compliance achieved
Admin Name :	COLLEEN SWARTZ
Email Address :	N/R

Map Id: B15
 Direction: SSW
 Distance: 0.267 mi.
 Actual: 1410.205 ft.
 Elevation: 0.092 mi. / 483.173 ft.
 Relative: Higher

Site Name : PA3390416
 4226 CHESTNUT ST
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (cont.)

RTC Enforcement ID : 99E0007
 Violation ID : 9930219
 Submission Year : 2018
 Violation First Reported Date : 12/22/1999
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 11/05/1999
 Enforcement Action Description : State Compliance achieved
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : N/R
 Violation ID : 0135894
 Submission Year : 2018
 Violation First Reported Date : 11/20/2001
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Known
 RTC Date : N/R
 Enforcement Action Description : State Public Notification requested
 Admin Name : COLLEEN SWARTZ
 Email Address : N/R

RTC Enforcement ID : N/R
 Violation ID : 8404300
 Submission Year : 2018
 Violation First Reported Date : 09/30/1984
 Contaminant Name : Nitrate
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Nitrates
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: B15
Direction: SSW
Distance: 0.267 mi.
Actual: 1410.205 ft.
Elevation: 0.092 mi. / 483.173 ft.
Relative: Higher

Site Name : PA3390416
4226 CHESTNUT ST
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228020
EPA ID: N/R

PWS ENF (cont.)

Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Known
RTC Date : N/R
Enforcement Action Description : State Violation/Reminder Notice
Admin Name : COLLEEN SWARTZ
Email Address : N/R

RTC Enforcement ID : N/R
Violation ID : 8103297
Submission Year : 2018
Violation First Reported Date : 09/30/1981
Contaminant Name : Nitrate
Rule Family : Inorganic Chemicals
Rule Group : Chemicals
Rule Name : Nitrates
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4226 CHESTNUT ST, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Known
RTC Date : N/R
Enforcement Action Description : State Violation/Reminder Notice
Admin Name : COLLEEN SWARTZ
Email Address : N/R

Map Id: C16
Direction: SE
Distance: 0.308 mi.
Actual: 1628.575 ft.
Elevation: 0.098 mi. / 517.51 ft.
Relative: Higher

Site Name : 183857
40.5152799999999, -75.51917
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408996934
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183857
Owner : ROMA P
Yield GPM : 40
Casing Top : 0 / 70 / 6
Licensee : N/R
Local Well Number : 1821N
Date Drilled : 11/01/1983
Well Depth : 160
Static Level : 30
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : HARDYSTON FORMATION-QUARTZITE

Map Id: C16
 Direction: SE
 Distance: 0.308 mi.
 Actual: 1628.575 ft.
 Elevation: 0.098 mi. / 517.51 ft.
 Relative: Higher

Site Name : 183857
 40.5152799999999, -75.51917
 PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 408996934
EPA ID: N/R

WELLS - PA (**cont.**)

WQ Data : 0
 Depth to Bed : 60
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5152799999999
 Longitude : -75.51917

Map Id: D17
 Direction: S
 Distance: 0.312 mi.
 Actual: 1645.062 ft.
 Elevation: 0.096 mi. / 509.17 ft.
 Relative: Higher

Site Name : PA3390418
 4752 MILL ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358170462
EPA ID: N/R

PWS

Facility Address : 4752 MILL ROAD, EMMAUS, PA 180495244

PWS ID : PA3390418
 PWS Type : Transient non-community system
 PWS Name : HONDAROSA VALLEY
 Activity Status : Inactive
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 75
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : <=100
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 02/12/1979
 Last Reported Date : 09/18/2018
 Deactivation Date : 02/11/1986
 GW or SW : Groundwater
 Is Grant Eligible : N
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : N/R
 EPA Region : Region 3
 Admin Name : INACTIVE
 Owner Type : Private

Map Id: D17
 Direction: S
 Distance: 0.312 mi.
 Actual: 1645.062 ft.
 Elevation: 0.096 mi. / 509.17 ft.
 Relative: Higher

Site Name : PA3390418
 4752 MILL ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358170462
EPA ID: N/R

PWS (**cont.**)

Phone Number : N/R
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : N
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 04-01
 Season End Date : 09-30
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4752 MILL ROAD, EMMAUS, PA 18049

 PWS ID : PA3390418
 PWS Name : HONDAROSA VALLEY
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Inactive
 Deactivation Date : 02/11/1986
 Owner Type : Private
 Phone Number : N/R
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : N/R
 Violation ID : 8103299
 Submission Year : 2018
 Violation First Reported Date : 09/30/1981
 Contaminant Name : Nitrate
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Nitrates
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4752 MILL ROAD, EMMAUS, 180495244
 Address Line 2 : N/R
 Compliance Status : System Inactive

Map Id: D17
 Direction: S
 Distance: 0.312 mi.
 Actual: 1645.062 ft.
 Elevation: 0.096 mi. / 509.17 ft.
 Relative: Higher

Site Name : PA3390418
 4752 MILL ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358170462
EPA ID: N/R

PWS ENF (**cont.**)

RTC Date : 02/11/1986
 Enforcement Action Description : State Violation/Reminder Notice
 Admin Name : INACTIVE
 Email Address : N/R

Map Id: D18
 Direction: S
 Distance: 0.313 mi.
 Actual: 1654.470 ft.
 Elevation: 0.094 mi. / 496.955 ft.
 Relative: Higher

Site Name : 184349
 40.51471999999999, -75.52277999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000553
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184349
 Owner : STAUFFER DAVID
 Yield GPM : 20
 Casing Top : 0 / 205 / 6
 Licensee : ODENHEIMER CO
 Local Well Number : X 1492
 Date Drilled : N/R
 Well Depth : 250
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 200
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.51471999999999
 Longitude : -75.52277999999999

Map Id: C19
 Direction: SE
 Distance: 0.316 mi.
 Actual: 1666.877 ft.
 Elevation: 0.098 mi. / 515.348 ft.
 Relative: Higher

Site Name : 184354
 40.51527999999999, -75.51888999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997157
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184354

Map Id: C19
 Direction: SE
 Distance: 0.316 mi.
 Actual: 1666.877 ft.
 Elevation: 0.098 mi. / 515.348 ft.
 Relative: Higher

Site Name : 184354
 40.5152799999999, -75.5188899999999
 PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 408997157
EPA ID: N/R

WELLS - PA (**cont.**)

Owner :	KOZE A
Yield GPM :	11
Casing Top :	0 / 83 / 6
Licensee :	ODENHEIMER CO
Local Well Number :	X 1497
Date Drilled :	N/R
Well Depth :	200
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HARDYSTON FORMATION-QUARTZITE
WQ Data :	0
Depth to Bed :	63
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5152799999999
Longitude :	-75.5188899999999

Map Id: 20
 Direction: SSE
 Distance: 0.327 mi.
 Actual: 1725.142 ft.
 Elevation: 0.1 mi. / 526.07 ft.
 Relative: Higher

Site Name : 184350
 40.5147199999999, -75.5199999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000555
EPA ID: N/R

WELLS - PA

PAGWIS ID :	184350
Owner :	MACILWRAITH E
Yield GPM :	30
Casing Top :	0 / 135 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1493
Date Drilled :	N/R
Well Depth :	200
Static Level :	40
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HORNBLLENDE GNEISS
WQ Data :	0
Depth to Bed :	125
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5147199999999

Map Id: 20
Direction: SSE
Distance: 0.327 mi.
Actual: 1725.142 ft.
Elevation: 0.1 mi. / 526.07 ft.
Relative: Higher

Site Name : 184350
40.51471999999999, -75.51999999999999
PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 409000555
EPA ID: N/R

WELLS - PA (**cont.**)

Longitude : -75.51999999999999

Map Id: E21
Direction: WSW
Distance: 0.367 mi.
Actual: 1936.652 ft.
Elevation: 0.088 mi. / 464.934 ft.
Relative: Higher

Site Name : 184281
40.51666999999999, -75.52805999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997102
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184281
Owner : STILES ED
Yield GPM : 12
Casing Top : 0 / 130 / 6
Licensee : REITH BROS INC
Local Well Number : X 0273
Date Drilled : 01/01/1973
Well Depth : 150
Static Level : 0
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : CAMBRIAN SYSTEM
WQ Data : 0
Depth to Bed : 126
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.51666999999999
Longitude : -75.52805999999999

Map Id: E22
Direction: WSW
Distance: 0.367 mi.
Actual: 1936.652 ft.
Elevation: 0.088 mi. / 464.934 ft.
Relative: Higher

Site Name : 184284
40.51666999999999, -75.52805999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997103
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184284
Owner : SEGILIA RUSSELL
Yield GPM : 0
Casing Top : 0 / 96 / 6

Map Id: E22
 Direction: WSW
 Distance: 0.367 mi.
 Actual: 1936.652 ft.
 Elevation: 0.088 mi. / 464.934 ft.
 Relative: Higher

Site Name : 184284
 40.5166699999999, -75.5280599999999
 PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 408997103
EPA ID: N/R

WELLS - PA (**cont.**)

Licensee :	REITH BROS INC
Local Well Number :	X 0276
Date Drilled :	01/01/1972
Well Depth :	100
Static Level :	82
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	96
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5166699999999
Longitude :	-75.5280599999999

Map Id: 23
 Direction: SSW
 Distance: 0.378 mi.
 Actual: 1994.924 ft.
 Elevation: 0.092 mi. / 485.24 ft.
 Relative: Higher

Site Name : 184355
 40.5138899999999, -75.5236099999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415133000
EPA ID: N/R

WELLS - PA

PAGWIS ID :	184355
Owner :	WETHERHOLD B
Yield GPM :	10
Casing Top :	0 / 280 / 6
Licensee :	REITH BROS INC
Local Well Number :	X 1498
Date Drilled :	N/R
Well Depth :	300
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HARDYSTON FORMATION-QUARTZITE
WQ Data :	0
Depth to Bed :	0
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5138899999999
Longitude :	-75.5236099999999

Map Id: 24
 Direction: E
 Distance: 0.383 mi.
 Actual: 2021.077 ft.
 Elevation: 0.099 mi. / 521.673 ft.
 Relative: Higher

Site Name : 184050
 40.5186099999999, -75.5147199999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132967
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184050
 Owner : RUSTIC COUNTRY HOMES
 Yield GPM : 20
 Casing Top : 0 / 200 / 6
 Licensee : N/R
 Local Well Number : 3417N
 Date Drilled : 07/01/1990
 Well Depth : 206
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 78
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5186099999999
 Longitude : -75.5147199999999

Map Id: 25
 Direction: E
 Distance: 0.393 mi.
 Actual: 2076.017 ft.
 Elevation: 0.102 mi. / 538.829 ft.
 Relative: Higher

Site Name : 183985
 40.5177799999999, -75.5147199999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132937
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183985
 Owner : HILBERT SUE
 Yield GPM : 20
 Casing Top : 0 / 220 / 6
 Licensee : N/R
 Local Well Number : 3352N
 Date Drilled : 03/01/1990
 Well Depth : 260
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 4
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST

Map Id: 25
 Direction: E
 Distance: 0.393 mi.
 Actual: 2076.017 ft.
 Elevation: 0.102 mi. / 538.829 ft.
 Relative: Higher

Site Name : 183985
 40.5177799999999, -75.5147199999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 415132937
EPA ID: N/R

WELLS - PA (*cont.*)

Latitude : 40.5177799999999
 Longitude : -75.5147199999999

Map Id: 26
 Direction: NNW
 Distance: 0.395 mi.
 Actual: 2083.917 ft.
 Elevation: 0.075 mi. / 393.74 ft.
 Relative: Lower

Site Name : 184347
 40.5244399999999, -75.525
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997151
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184347
 Owner : LICHTENWALNER T
 Yield GPM : 15
 Casing Top : 0 / 38 / 6
 Licensee : ODENHEIMER CO
 Local Well Number : X 1490
 Date Drilled : N/R
 Well Depth : 78
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : CAMBRIAN SYSTEM
 WQ Data : 0
 Depth to Bed : 33
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5244399999999
 Longitude : -75.525

Map Id: 27
 Direction: S
 Distance: 0.403 mi.
 Actual: 2125.450 ft.
 Elevation: 0.101 mi. / 535.253 ft.
 Relative: Higher

Site Name : 183916
 40.51556, -75.52083
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 364263997
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183916
 Owner : LANDIS S
 Yield GPM : 10

Envirosite ID: 364263997
EPA ID: N/R

Casing Top :	0 / 63 / 6
Licensee :	REITH BROS INC
Local Well Number :	3282N
Date Drilled :	10/01/1987
Well Depth :	150
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HARDYSTON FORMATION-QUARTZITE
WQ Data :	0
Depth to Bed :	53
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.51556
Longitude :	-75.52083

Envirosite ID: 405519087
EPA ID: N/R

[illegible]

Map Id: F28
 Direction: SW
 Distance: 0.420 mi.
 Actual: 2216.412 ft.
 Elevation: 0.09 mi. / 474.849 ft.
 Relative: Higher

Site Name : 403050075313501
 40.51398645, -75.52601800
 PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 405519087
EPA ID: N/R

NWIS (*cont.*)

Contributing Drainage Area : N/R
 Data Reliability : Data have been checked by the reporting agency.
 Data-other GW Files : YYYYNNNN
 National Aquifer : Piedmont and Blue Ridge crystalline-rock aquifers
 Local Aquifer : Hardyston Quartzite
 Local Aquifer Type : N/R
 Well Depth : 250
 Hole Depth : N/R
 Source of Depth Data : N/R
 Project Number : N/R
 Real-Time Data Flag : 0
 Peak-Streamflow Data Begin Date : N/R
 Peak-Streamflow Data End Date : N/R
 Peak-Streamflow Data Count : 0
 Water-Quality Data Begin Date : N/R
 Water-Quality Data End Date : N/R
 Water-Quality Data Count : 0
 Field Water-Level Data Begin Date : 1966-10
 Field Water-Level Data End Date : 1966-10
 Field Water-Level Data Count : 1
 Site-Visit Data Begin Date : N/R
 Site-Visit Data End Date : N/R
 Site-Visit Data Count : 0
 Latitude : 40.51398645
 Longitude : -75.52601800
 Last Date in Agency List : 11/23/2018

Map Id: 29
 Direction: NW
 Distance: 0.423 mi.
 Actual: 2234.098 ft.
 Elevation: 0.074 mi. / 389.488 ft.
 Relative: Lower

Site Name : PA3390008
 4677 INDIAN CREEK ROAD
 MACUNGIE, PA 18062
Database(s) : [PWS]

Envirosite ID: 358227892
EPA ID: N/R

PWS

Facility Address : 4677 INDIAN CREEK ROAD, MACUNGIE, PA 18062

PWS ID : PA3390008
 PWS Type : Community water system
 PWS Name : SHADY ACRES C/O MR ILCHUK
 Activity Status : Inactive
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 16
 Service Connections Count : 10
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500

Map Id: 29
 Direction: NW
 Distance: 0.423 mi.
 Actual: 2234.098 ft.
 Elevation: 0.074 mi. / 389.488 ft.
 Relative: Lower

Site Name : PA3390008
 4677 INDIAN CREEK ROAD
 MACUNGIE, PA 18062
Database(s) : [PWS] (**cont.**)

Envirosite ID: 358227892
EPA ID: N/R

PWS (**cont.**)

Population Category 11 : <=100
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 01/21/1981
 Last Reported Date : 09/18/2018
 Deactivation Date : 10/26/1978
 GW or SW : Groundwater
 Is Grant Eligible : N
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : N/R
 EPA Region : Region 3
 Admin Name : INACTIVE
 Owner Type : Private
 Phone Number : N/R
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : N
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : N/R
 Season End Date : N/R
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

Map Id: 30
 Direction: WSW
 Distance: 0.425 mi.
 Actual: 2245.256 ft.
 Elevation: 0.088 mi. / 463.53 ft.
 Relative: Higher

Site Name : 403102075314801
 40.51731970, -75.52962920
 PA
Database(s) : [NWIS]

Envirosite ID: 404668664
EPA ID: N/R

NWIS

Site Identification Number : 403102075314801
 Site Type : Well
 Station Name : LE 558
 Agency : U.S. Geological Survey
 District : Pennsylvania
 State : PA

Envirosite ID: 404668664
EPA ID: N/R

County :	Lehigh County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	ALLENTOWN WEST
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	460
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lehigh
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	N/R
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1953
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNN
National Aquifer :	Valley and Ridge aquifers
Local Aquifer :	Leithsville Formation
Local Aquifer Type :	N/R
Well Depth :	174
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	08/01/1953
Field Water-Level Data End Date :	08/01/1953
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	40.51731970
Longitude :	-75.52962920
Last Date in Agency List :	11/23/2018

Map Id: G31
 Direction: NE
 Distance: 0.441 mi.
 Actual: 2326.748 ft.
 Elevation: 0.081 mi. / 426.532 ft.
 Relative: Lower

Site Name : PA3390953
 3835 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358228821
EPA ID: N/R

PWS

Facility Address : 3835 CHESTNUT STREET, EMMAUS, PA 18049

PWS ID : PA3390953
 PWS Type : Transient non-community system
 PWS Name : BLUE BUTTERFLY GIFT SHOP
 Activity Status : Inactive
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 55
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : <=100
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 09/06/1991
 Last Reported Date : 09/18/2018
 Deactivation Date : 01/01/2014
 GW or SW : Groundwater
 Is Grant Eligible : N
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : BLUE BUTTERFLY GIFT SHOP
 EPA Region : Region 3
 Admin Name : JEAN HOLMES
 Owner Type : Private
 Phone Number : 610-965-8428
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : N
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTRC Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 3835 CHESTNUT STREET, EMMAUS, PA 18049

Map Id: G31
 Direction: NE
 Distance: 0.441 mi.
 Actual: 2326.748 ft.
 Elevation: 0.081 mi. / 426.532 ft.
 Relative: Lower

Site Name : PA3390953
 3835 CHESTNUT STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358228821
EPA ID: N/R

PWS ENF (**cont.**)

PWS ID : PA3390953
 PWS Name : BLUE BUTTERFLY GIFT SHOP
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Inactive
 Deactivation Date : 01/01/2014
 Owner Type : Private
 Phone Number : 610-965-8428
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : 02E0005
 Violation ID : 0200830
 Submission Year : 2018
 Violation First Reported Date : 03/06/2002
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 3835 CHESTNUT STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 12/11/2001
 Enforcement Action Description : State Compliance achieved
 Admin Name : JEAN HOLMES
 Email Address : N/R

Map Id: F32
 Direction: SW
 Distance: 0.444 mi.
 Actual: 2342.917 ft.
 Elevation: 0.092 mi. / 483.947 ft.
 Relative: Higher

Site Name : 403049075313601
 40.51370867, -75.52629580
 PA
Database(s) : [NWIS]

Envirosite ID: 405447913
EPA ID: N/R

NWIS

Site Identification Number : 403049075313601
 Site Type : Well
 Station Name : LE 911
 Agency : U.S. Geological Survey
 District : Pennsylvania
 State : PA

Site Name : 403049075313601
40.51370867, -75.52629580
PA

Database(s) : [NWIS] (*cont.*)

Envirosite ID: 405447913
EPA ID: N/R

NWIS (cont.)

County :	Lehigh County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	ALLENTOWN WEST
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	480
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lehigh
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	N/R
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	01/01/1967
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNN
National Aquifer :	Piedmont and Blue Ridge crystalline-rock aquifers
Local Aquifer :	Hardyston Quartzite
Local Aquifer Type :	N/R
Well Depth :	270
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	08/01/1967
Field Water-Level Data End Date :	08/01/1967
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	40.51370867
Longitude :	-75.52629580
Last Date in Agency List :	11/23/2018

Envirosite ID: 415134461
EPA ID: N/R

PAGWIS ID :	183984
Owner :	FEGELY DENNIS
Yield GPM :	25
Casing Top :	0 / 140 / 6
Licensee :	N/R
Local Well Number :	3351N
Date Drilled :	11/01/1989
Well Depth :	150
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	LEITHSVILLE FORMATION
WQ Data :	0
Depth to Bed :	99
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.52471999999999
Longitude :	-75.51749999999999

Envirosite ID: 404781333
EPA ID: N/R

[illegible]

Map Id: G34
Direction: NE
Distance: 0.455 mi.
Actual: 2402.257 ft.
Elevation: 0.08 mi. / 422.723 ft.
Relative: Lower

Site Name : 403128075310201
40.52454204, -75.51685090
PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 404781333
EPA ID: N/R

NWIS (*cont.*)

Date of First Construction : 1955
Date Site Established or Inventoried: N/R
Drainage Area : N/R
Contributing Drainage Area : N/R
Data Reliability : Data have been checked by the reporting agency.
Data-other GW Files : YYYYNNNN
National Aquifer : Valley and Ridge aquifers
Local Aquifer : Leithsville Formation
Local Aquifer Type : N/R
Well Depth : 130
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : 0
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : 0
Water-Quality Data Begin Date : N/R
Water-Quality Data End Date : N/R
Water-Quality Data Count : 0
Field Water-Level Data Begin Date : 11/08/1967
Field Water-Level Data End Date : 11/08/1967
Field Water-Level Data Count : 1
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.52454204
Longitude : -75.51685090
Last Date in Agency List : 11/23/2018

Map Id: H35
Direction: WSW
Distance: 0.467 mi.
Actual: 2467.307 ft.
Elevation: 0.094 mi. / 493.711 ft.
Relative: Higher

Site Name : 184058
40.515, -75.5288899999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415134478
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184058
Owner : A P HOUSE CONST
Yield GPM : 8
Casing Top : 0 / 160 / 6
Licensee : REITH BROS INC
Local Well Number : 3425N
Date Drilled : 06/01/1991
Well Depth : 260
Static Level : 0
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : LEITHSVILLE FORMATION

Map Id: H35
 Direction: WSW
 Distance: 0.467 mi.
 Actual: 2467.307 ft.
 Elevation: 0.094 mi. / 493.711 ft.
 Relative: Higher

Site Name : 184058
 40.515, -75.52888999999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 415134478
EPA ID: N/R

WELLS - PA (*cont.*)

WQ Data : 0
 Depth to Bed : 150
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.515
 Longitude : -75.52888999999999

Map Id: 36
 Direction: NNE
 Distance: 0.484 mi.
 Actual: 2553.812 ft.
 Elevation: 0.083 mi. / 440.492 ft.
 Relative: Lower

Site Name : 184348
 40.52610999999999, -75.52028
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415134494
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184348
 Owner : MILLER R
 Yield GPM : 25
 Casing Top : 0 / 93 / 6
 Licensee : MAYER'S WELL DRILLING
 Local Well Number : X 1491
 Date Drilled : N/R
 Well Depth : 140
 Static Level : 20
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : CAMBRIAN SYSTEM
 WQ Data : 0
 Depth to Bed : 85
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.52610999999999
 Longitude : -75.52028

Map Id: H37
 Direction: WSW
 Distance: 0.491 mi.
 Actual: 2594.031 ft.
 Elevation: 0.095 mi. / 500.669 ft.
 Relative: Higher

Site Name : 184345
 40.5152799999999, -75.5297199999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000552
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184345
 Owner : BANYAS S
 Yield GPM : 20
 Casing Top : 0 / 153 / 6
 Licensee : REITH BROS INC
 Local Well Number : X 1488
 Date Drilled : N/R
 Well Depth : 172
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : CAMBRIAN SYSTEM
 WQ Data : 0
 Depth to Bed : 150
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5152799999999
 Longitude : -75.5297199999999

Map Id: 38
 Direction: NNW
 Distance: 0.498 mi.
 Actual: 2631.474 ft.
 Elevation: 0.078 mi. / 411.368 ft.
 Relative: Lower

Site Name : PA3390925
 4571 INDIAN CREEK ROAD
 MACUNGIE, PA 18062
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358162609
EPA ID: N/R

PWS

Facility Address : 4571 INDIAN CREEK ROAD, MACUNGIE, PA 180629766

PWS ID : PA3390925
 PWS Type : Transient non-community system
 PWS Name : EMMAUS KINGDOM HALL
 Activity Status : Inactive
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 100
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : <=100
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 09/07/1989

Map Id: 38
 Direction: NNW
 Distance: 0.498 mi.
 Actual: 2631.474 ft.
 Elevation: 0.078 mi. / 411.368 ft.
 Relative: Lower

Site Name : PA3390925
 4571 INDIAN CREEK ROAD
 MACUNGIE, PA 18062
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358162609
EPA ID: N/R

PWS (**cont.**)

Last Reported Date : 09/18/2018
 Deactivation Date : 04/20/2004
 GW or SW : Groundwater
 Is Grant Eligible : N
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : N/R
 EPA Region : Region 3
 Admin Name : NEIL BARTHOLOMEW
 Owner Type : Public/Private
 Phone Number : 610-967-4655
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : N
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4571 INDIAN CREEK ROAD, MACUNGIE, PA 18062

PWS ID : PA3390925
 PWS Name : EMMAUS KINGDOM HALL
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Inactive
 Deactivation Date : 04/20/2004
 Owner Type : Public/Private
 Phone Number : 610-967-4655
 Last Date in Agency List : 10/18/2018

Violation Details

RTC Enforcement ID : 040552257001
 Violation ID : 0405522
 Submission Year : 2018

Map Id: 38
 Direction: NNW
 Distance: 0.498 mi.
 Actual: 2631.474 ft.
 Elevation: 0.078 mi. / 411.368 ft.
 Relative: Lower

Site Name : PA3390925
 4571 INDIAN CREEK ROAD
 MACUNGIE, PA 18062
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358162609
EPA ID: N/R

PWS ENF (**cont.**)

Violation First Reported Date : 02/25/2004
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 4571 INDIAN CREEK ROAD, MACUNGIE, 180629766
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/22/2004
 Enforcement Action Description : State Compliance achieved
 Admin Name : NEIL BARTHOLOMEW
 Email Address : N/R

RTC Enforcement ID : 041229556002
 Violation ID : 0412295
 Submission Year : 2018
 Violation First Reported Date : 05/25/2004
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 4571 INDIAN CREEK ROAD, MACUNGIE, 180629766
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/11/2004
 Enforcement Action Description : State Compliance achieved
 Admin Name : NEIL BARTHOLOMEW
 Email Address : N/R

RTC Enforcement ID : 041229556002
 Violation ID : 0412296
 Submission Year : 2018
 Violation First Reported Date : 05/25/2004
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Repeat Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4571 INDIAN CREEK ROAD, MACUNGIE, 180629766
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance

Map Id: 38
 Direction: NNW
 Distance: 0.498 mi.
 Actual: 2631.474 ft.
 Elevation: 0.078 mi. / 411.368 ft.
 Relative: Lower

Site Name : PA3390925
 4571 INDIAN CREEK ROAD
 MACUNGIE, PA 18062
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358162609
EPA ID: N/R

PWS ENF (**cont.**)

RTC Date : 02/11/2004
 Enforcement Action Description : State Compliance achieved
 Admin Name : NEIL BARTHOLOMEW
 Email Address : N/R

RTC Enforcement ID : 042531856004
 Violation ID : 0425318
 Submission Year : 2018
 Violation First Reported Date : 05/25/2004
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4571 INDIAN CREEK ROAD, MACUNGIE, 180629766
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/02/2004
 Enforcement Action Description : State Compliance achieved
 Admin Name : NEIL BARTHOLOMEW
 Email Address : N/R

RTC Enforcement ID : N/R
 Violation ID : 9003932
 Submission Year : 2018
 Violation First Reported Date : 12/12/1990
 Contaminant Name : Nitrate
 Rule Family : Inorganic Chemicals
 Rule Group : Chemicals
 Rule Name : Nitrates
 Violation Type : Maximum Contaminant Level Violation, Single Sample
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 1
 Address Line 1 : 4571 INDIAN CREEK ROAD, MACUNGIE, 180629766
 Address Line 2 : N/R
 Compliance Status : System Inactive
 RTC Date : 04/20/2004
 Enforcement Action Description : State Public Notification requested
 Admin Name : NEIL BARTHOLOMEW
 Email Address : N/R

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358294945
EPA ID: N/R

PWS

Facility Address : 3853 ALLEN STREET, EMMAUS, PA 18049

PWS ID : PA3390976
 PWS Type : Non-Transient non-community system
 PWS Name : PREMIER EARLY LEARNING CENTER
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 145
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : 101-500
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 09/14/1996
 Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : Y
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : PREMIER EARLY LEARNING CENTER
 EPA Region : Region 3
 Admin Name : SHARON M. CSORDAS
 Owner Type : Private
 Phone Number : 610-967-9767
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTRC Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 3853 ALLEN STREET, EMMAUS, PA 18049

Map Id: 39
Direction: NE
Distance: 0.503 mi.
Actual: 2655.520 ft.
Elevation: 0.078 mi. / 411.444 ft.
Relative: Lower

Site Name : PA3390976
3853 ALLEN STREET
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (cont.)

PWS ID :	PA3390976
PWS Name :	PREMIER EARLY LEARNING CENTER
EPA Region :	Region 3
Primacy Agency :	Pennsylvania
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	610-967-9767
Last Date in Agency List :	10/18/2018

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosearch account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	02E0008
Violation ID :	0218381
Submission Year :	2018
Violation First Reported Date :	08/10/2002
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	08/08/2002
Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R

RTC Enforcement ID :	02E0008
Violation ID :	0218382
Submission Year :	2018
Violation First Reported Date :	08/10/2002
Contaminant Name :	Nitrite
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	3853 ALLEN STREET, EMMAUS, 18049

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	08/08/2002
Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R
RTC Enforcement ID :	02E0009
Violation ID :	0220177
Submission Year :	2018
Violation First Reported Date :	12/14/2002
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	08/29/2002
Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R
RTC Enforcement ID :	033237051001
Violation ID :	0332370
Submission Year :	2018
Violation First Reported Date :	12/17/2003
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	09/16/2003
Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R
RTC Enforcement ID :	080499280001
Violation ID :	0804992
Submission Year :	2018
Violation First Reported Date :	02/19/2008
Contaminant Name :	Coliform (TCR)

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/12/2008
 Enforcement Action Description : State Public Notification received
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 080499380002
 Violation ID : 0804993
 Submission Year : 2018
 Violation First Reported Date : 03/18/2008
 Contaminant Name : Public Notice
 Rule Family : Public Notice Rule
 Rule Group : Other
 Rule Name : Public Notice Rule
 Violation Type : Public Notification Violation for NPDWR Violation
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 02/15/2008
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 101909987001
 Violation ID : 0920312
 Submission Year : 2018
 Violation First Reported Date : 11/23/2009
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 2
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 10/07/2009
 Enforcement Action Description : State Compliance achieved

Map Id: 39
Direction: NE
Distance: 0.503 mi.
Actual: 2655.520 ft.
Elevation: 0.078 mi. / 411.444 ft.
Relative: Lower

Site Name : PA3390976
3853 ALLEN STREET
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Admin Name : SHARON M. CSORDAS
Email Address : N/R

RTC Enforcement ID : 101909987001
Violation ID : 0919099
Submission Year : 2018
Violation First Reported Date : 09/17/2009
Contaminant Name : Coliform (TCR)
Rule Family : Total Coliform Rules
Rule Group : Microbials
Rule Name : Total Coliform Rule
Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based : Y
Is Major Violation : N/R
Severity Indicator Count : N/R
Public Notification Tier : 2
Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 10/07/2009
Enforcement Action Description : State Compliance achieved
Admin Name : SHARON M. CSORDAS
Email Address : N/R

RTC Enforcement ID : 121987114001
Violation ID : 1219871
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : BHC-GAMMA
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 04/30/2012
Enforcement Action Description : State Compliance achieved
Admin Name : SHARON M. CSORDAS
Email Address : N/R

RTC Enforcement ID : 121987114001
Violation ID : 1219872
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : Simazine
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 121987114001
 Violation ID : 1219873
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Carbofuran
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 121987114001
 Violation ID : 1219874
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Atrazine
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

Map Id: 39
Direction: NE
Distance: 0.503 mi.
Actual: 2655.520 ft.
Elevation: 0.078 mi. / 411.444 ft.
Relative: Lower

Site Name : PA3390976
3853 ALLEN STREET
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 121987114001
Violation ID : 1219875
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : LASSO
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 04/30/2012
Enforcement Action Description : State Compliance achieved
Admin Name : SHARON M. CSORDAS
Email Address : N/R

RTC Enforcement ID : 130792120001
Violation ID : 1307921
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : Carbofuran
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 01/29/2013
Enforcement Action Description : State Compliance achieved
Admin Name : SHARON M. CSORDAS
Email Address : N/R

RTC Enforcement ID : 130792120001
Violation ID : 1307922
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : Total Polychlorinated Biphenyls (PCB)
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/29/2013
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520799
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Endrin
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520800
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : BHC-GAMMA
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520801
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : Methoxychlor
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520802
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Toxaphene
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520803
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Dalapon
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015

Map Id: 39
Direction: NE
Distance: 0.503 mi.
Actual: 2655.520 ft.
Elevation: 0.078 mi. / 411.444 ft.
Relative: Lower

Site Name : PA3390976
3853 ALLEN STREET
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (cont.)

Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R
RTC Enforcement ID :	152079932001
Violation ID :	1520804
Submission Year :	2018
Violation First Reported Date :	02/17/2016
Contaminant Name :	Diquat
Rule Family :	Synthetic Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Synthetic Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	08/18/2015
Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R
RTC Enforcement ID :	152079932001
Violation ID :	1520805
Submission Year :	2018
Violation First Reported Date :	02/17/2016
Contaminant Name :	Endothall
Rule Family :	Synthetic Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Synthetic Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	3853 ALLEN STREET, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	08/18/2015
Enforcement Action Description :	State Compliance achieved
Admin Name :	SHARON M. CSORDAS
Email Address :	N/R
RTC Enforcement ID :	152079932001
Violation ID :	1520806
Submission Year :	2018
Violation First Reported Date :	02/17/2016
Contaminant Name :	Glyphosate
Rule Family :	Synthetic Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Synthetic Organic Chemicals

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520807
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Di(2-ethylhexyl) adipate
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520808
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : OXAMYL
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 152079932001
 Violation ID : 1520809
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Simazine
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520810
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Di(2-ethylhexyl) phthalate
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520811
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Picloram
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: 39
 Direction: NE
 Distance: 0.503 mi.
 Actual: 2655.520 ft.
 Elevation: 0.078 mi. / 411.444 ft.
 Relative: Lower

Site Name : PA3390976
 3853 ALLEN STREET
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358294945
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520812
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Dinoseb
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

RTC Enforcement ID : 152079932001
 Violation ID : 1520813
 Submission Year : 2018
 Violation First Reported Date : 02/17/2016
 Contaminant Name : Hexachlorocyclopentadiene
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 3853 ALLEN STREET, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 08/18/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : SHARON M. CSORDAS
 Email Address : N/R

Map Id: 40
 Direction: SSE
 Distance: 0.511 mi.
 Actual: 2700.501 ft.
 Elevation: 0.115 mi. / 606.188 ft.
 Relative: Higher

Site Name : 184026
 40.51417, -75.51944
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 364309231
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184026
 Owner : GARNER DAVUD
 Yield GPM : 25
 Casing Top : 0 / 80 / 6
 Licensee : PHARES FRY WELL DRILLING
 Local Well Number : 3393N
 Date Drilled : 12/19/1988
 Well Depth : 140
 Static Level : 140
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : N/R
 WQ Data : 0
 Depth to Bed : 72
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.51417
 Longitude : -75.51944

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358161425
EPA ID: N/R

PWS

Facility Address : 5002 BUCKEYE ROAD, EMMAUS, PA 18049

PWS ID : PA3390917
 PWS Type : Non-Transient non-community system
 PWS Name : BUCKEYE PIPE LINE CO
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 210
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : 101-500
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 09/07/1989

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS (**cont.**)

Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : BUCKEYE PIPE LINE CO
 EPA Region : Region 3
 Admin Name : MARK P. BONENBERGER
 Owner Type : Private
 Phone Number : 484-232-4467
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 5002 BUCKEYE ROAD, EMMAUS, PA 18049

PWS ID : PA3390917
 PWS Name : BUCKEYE PIPE LINE CO
 EPA Region : Region 3
 Primacy Agency : Pennsylvania
 PWS Type : Non-Transient non-community system
 Primacy Type : State
 Primary Source : Ground water
 Activity Status : Active
 Deactivation Date : N/R
 Owner Type : Private
 Phone Number : 484-232-4467
 Last Date in Agency List : 10/18/2018

Violation Details

Map Id: 41
Direction: W
Distance: 0.517 mi.
Actual: 2727.492 ft.
Elevation: 0.085 mi. / 449.908 ft.
Relative: Lower

Site Name : PA3390917
5002 BUCKEYE ROAD
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (cont.)

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosearch account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID : 11051619002
Violation ID : 1105161
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : Nitrite
Rule Family : Inorganic Chemicals
Rule Group : Chemicals
Rule Name : Nitrates
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 11051619002
Violation ID : 1105162
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : 1,2,4-Trichlorobenzene
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 11051619002
Violation ID : 1105163
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : cis-1,2-Dichloroethylene
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105164
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : Xylenes, Total
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105165
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : DICHLOROMETHANE
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 11051619002
 Violation ID : 1105166
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : o-Dichlorobenzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105167
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : p-Dichlorobenzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105168
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : 1,1-Dichloroethylene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105169
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : trans-1,2-Dichloroethylene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105170
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : 1,2-Dichloroethane
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105171
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011

Map Id: 41
Direction: W
Distance: 0.517 mi.
Actual: 2727.492 ft.
Elevation: 0.085 mi. / 449.908 ft.
Relative: Lower

Site Name : PA3390917
5002 BUCKEYE ROAD
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : 1,1,1-Trichloroethane
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 11051619002
Violation ID : 1105172
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : Carbon tetrachloride
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 11051619002
Violation ID : 1105173
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : 1,2-Dichloropropane
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Enforcement Action Description :	State Compliance achieved
Admin Name :	MARK P. BONENBERGER
Email Address :	N/R
RTC Enforcement ID :	11051619002
Violation ID :	1105174
Submission Year :	2018
Violation First Reported Date :	02/22/2011
Contaminant Name :	Trichloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	03/02/2011
Enforcement Action Description :	State Compliance achieved
Admin Name :	MARK P. BONENBERGER
Email Address :	N/R
RTC Enforcement ID :	11051619002
Violation ID :	1105175
Submission Year :	2018
Violation First Reported Date :	02/22/2011
Contaminant Name :	1,1,2-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	03/02/2011
Enforcement Action Description :	State Compliance achieved
Admin Name :	MARK P. BONENBERGER
Email Address :	N/R
RTC Enforcement ID :	11051619002
Violation ID :	1105176
Submission Year :	2018
Violation First Reported Date :	02/22/2011
Contaminant Name :	Tetrachloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105177
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : CHLOROBENZENE
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11051619002
 Violation ID : 1105178
 Submission Year : 2018
 Violation First Reported Date : 02/22/2011
 Contaminant Name : Benzene
 Rule Family : Volatile Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Volatile Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

Map Id: 41
Direction: W
Distance: 0.517 mi.
Actual: 2727.492 ft.
Elevation: 0.085 mi. / 449.908 ft.
Relative: Lower

Site Name : PA3390917
5002 BUCKEYE ROAD
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 11051619002
Violation ID : 1105179
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : Toluene
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 11051619002
Violation ID : 1105180
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : Ethylbenzene
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 03/02/2011
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 11051619002
Violation ID : 1105181
Submission Year : 2018
Violation First Reported Date : 02/22/2011
Contaminant Name : Styrene
Rule Family : Volatile Organic Chemicals
Rule Group : Chemicals
Rule Name : Volatile Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 03/02/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 11161898023
 Violation ID : 1116189
 Submission Year : 2018
 Violation First Reported Date : 05/17/2011
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 05/09/2011
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 121981714001
 Violation ID : 1219817
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Monitoring, Routine Major (TCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 121981714001
 Violation ID : 1219818
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015

Map Id: 41
Direction: W
Distance: 0.517 mi.
Actual: 2727.492 ft.
Elevation: 0.085 mi. / 449.908 ft.
Relative: Lower

Site Name : PA3390917
5002 BUCKEYE ROAD
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Contaminant Name : Endrin
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 04/30/2012
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 121981714001
Violation ID : 1219819
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : Methoxychlor
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 04/30/2012
Enforcement Action Description : State Compliance achieved
Admin Name : MARK P. BONENBERGER
Email Address : N/R

RTC Enforcement ID : 121981714001
Violation ID : 1219820
Submission Year : 2018
Violation First Reported Date : 02/25/2015
Contaminant Name : Toxaphene
Rule Family : Synthetic Organic Chemicals
Rule Group : Chemicals
Rule Name : Synthetic Organic Chemicals
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 04/30/2012

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 121981714001
 Violation ID : 1219821
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Dalapon
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 121981714001
 Violation ID : 1219822
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Diquat
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 121981714001
 Violation ID : 1219823
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Endothall
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals

Map Id: 41
 Direction: W
 Distance: 0.517 mi.
 Actual: 2727.492 ft.
 Elevation: 0.085 mi. / 449.908 ft.
 Relative: Lower

Site Name : PA3390917
 5002 BUCKEYE ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358161425
EPA ID: N/R

PWS ENF (**cont.**)

Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

RTC Enforcement ID : 121981714001
 Violation ID : 1219824
 Submission Year : 2018
 Violation First Reported Date : 02/25/2015
 Contaminant Name : Glyphosate
 Rule Family : Synthetic Organic Chemicals
 Rule Group : Chemicals
 Rule Name : Synthetic Organic Chemicals
 Violation Type : Monitoring, Regular
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 5002 BUCKEYE ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 04/30/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : MARK P. BONENBERGER
 Email Address : N/R

Map Id: 42
 Direction: SW
 Distance: 0.526 mi.
 Actual: 2777.203 ft.
 Elevation: 0.093 mi. / 492.792 ft.
 Relative: Higher

Site Name : 184343
 40.5125, -75.52666999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000551
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184343
 Owner : ERNEY RALPH
 Yield GPM : 25
 Casing Top : 0 / 214 / 6
 Licensee : C S GARBER & SONS INC
 Local Well Number : X 1486
 Date Drilled : N/R
 Well Depth : 217

Map Id: 42
 Direction: SW
 Distance: 0.526 mi.
 Actual: 2777.203 ft.
 Elevation: 0.093 mi. / 492.792 ft.
 Relative: Higher

Site Name : 184343
 40.5125, -75.52666999999999
 PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 409000551
EPA ID: N/R

WELLS - PA (**cont.**)

Static Level :	67
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	210
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5125
Longitude :	-75.52666999999999

Map Id: 43
 Direction: NNE
 Distance: 0.541 mi.
 Actual: 2858.593 ft.
 Elevation: 0.078 mi. / 414.098 ft.
 Relative: Lower

Site Name : 183986
 40.52638999999999, -75.51778
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000461
EPA ID: N/R

WELLS - PA

PAGWIS ID :	183986
Owner :	BELLANTE PROPERTIES
Yield GPM :	20
Casing Top :	0 / 120 / 6
Licensee :	N/R
Local Well Number :	3353N
Date Drilled :	11/01/1989
Well Depth :	200
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	INDUSTRIAL
Formation :	LEITHSVILLE FORMATION
WQ Data :	0
Depth to Bed :	60
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.52638999999999
Longitude :	-75.51778

Map Id: 44
Direction: SSW
Distance: 0.552 mi.
Actual: 2913.311 ft.
Elevation: 0.094 mi. / 495.984 ft.
Relative: Higher

Site Name : 403041075313001
40.51148649, -75.52462900
PA
Database(s) : [NWIS]

Envirosite ID: 404780805
EPA ID: N/R

NWIS

Site Identification Number : 403041075313001
Site Type : Well
Station Name : LE 399
Agency : U.S. Geological Survey
District : Pennsylvania
State : PA
County : Lehigh County
Country : USA
Land Net Location : N/R
Name of Location Map : ALLENTOWN WEST
Scale of Location Map : 24000
Altitude of Gage/Land Surface : 500
Method Altitude Determined : Interpolated from topographic map.
Altitude Accuracy : 5
Altitude Datum : National Geodetic Vertical Datum of 1929
Hydrologic Unit : Lehigh
Drainage Basin : N/R
Topographic Setting : Hillside
Flags for the Type of Data Collected: N/R
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction : N/R
Date Site Established or Inventoried: N/R
Drainage Area : N/R
Contributing Drainage Area : N/R
Data Reliability : Data have been checked by the reporting agency.
Data-other GW Files : YYNNNNNN
National Aquifer : Piedmont and Blue Ridge crystalline-rock aquifers
Local Aquifer : Hardyston Quartzite
Local Aquifer Type : N/R
Well Depth : 10
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : 0
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : 0
Water-Quality Data Begin Date : N/R
Water-Quality Data End Date : N/R
Water-Quality Data Count : 0
Field Water-Level Data Begin Date : 12/01/1954
Field Water-Level Data End Date : 12/01/1954
Field Water-Level Data Count : 1
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.51148649
Longitude : -75.52462900
Last Date in Agency List : 11/23/2018

Map Id: 45
 Direction: NNE
 Distance: 0.562 mi.
 Actual: 2965.620 ft.
 Elevation: 0.082 mi. / 431.263 ft.
 Relative: Lower

Site Name : 183852
 40.52722, -75.51999999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000383
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183852
 Owner : MOYER R
 Yield GPM : 30
 Casing Top : 0 / 149.25 / 6
 Licensee : N/R
 Local Well Number : 1816N
 Date Drilled : 02/01/1984
 Well Depth : 197
 Static Level : 70
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : LEITHSVILLE FORMATION
 WQ Data : 0
 Depth to Bed : 120
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.52722
 Longitude : -75.51999999999999

Map Id: 46
 Direction: ESE
 Distance: 0.580 mi.
 Actual: 3060.863 ft.
 Elevation: 0.1 mi. / 528.448 ft.
 Relative: Higher

Site Name : 184049
 40.51527999999999, -75.51221999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997078
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184049
 Owner : K&S PLUMBING
 Yield GPM : 15
 Casing Top : 0 / 185 / 6
 Licensee : N/R
 Local Well Number : 3416N
 Date Drilled : 09/01/1989
 Well Depth : 225
 Static Level : 70
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : GRANITE & GRANITE GNEISS
 WQ Data : 0
 Depth to Bed : 45
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST

Map Id: 46
Direction: ESE
Distance: 0.580 mi.
Actual: 3060.863 ft.
Elevation: 0.1 mi. / 528.448 ft.
Relative: Higher

Site Name : 184049
40.5152799999999, -75.5122199999999
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 408997078
EPA ID: N/R

WELLS - PA (*cont.*)

Latitude : 40.5152799999999
Longitude : -75.5122199999999

Map Id: 47
Direction: SSW
Distance: 0.596 mi.
Actual: 3144.605 ft.
Elevation: 0.093 mi. / 488.832 ft.
Relative: Higher

Site Name : 184047
40.5111099999999, -75.5258299999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132965
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184047
Owner : BECK O
Yield GPM : 15
Casing Top : 0 / 42 / 6
Licensee : REITH BROS INC
Local Well Number : 3414N
Date Drilled : 04/01/1986
Well Depth : 100
Static Level : 0
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : HARDYSTON FORMATION-QUARTZITE
WQ Data : 0
Depth to Bed : 33
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5111099999999
Longitude : -75.5258299999999

Map Id: 48
Direction: W
Distance: 0.597 mi.
Actual: 3152.789 ft.
Elevation: 0.086 mi. / 455.65 ft.
Relative: Higher

Site Name : 183836
40.5175, -75.5330599999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132862
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183836
Owner : TERFINKO T
Yield GPM : 12

Map Id: 48
 Direction: W
 Distance: 0.597 mi.
 Actual: 3152.789 ft.
 Elevation: 0.086 mi. / 455.65 ft.
 Relative: Higher

Site Name : 183836
 40.5175, -75.53305999999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 415132862
EPA ID: N/R

WELLS - PA (*cont.*)

Casing Top : 0 / 50 / 6
 Licensee : REITH BROS INC
 Local Well Number : 1800N
 Date Drilled : 10/01/1981
 Well Depth : 123
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : LEITHSVILLE FORMATION
 WQ Data : 0
 Depth to Bed : 45
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5175
 Longitude : -75.53305999999999

Map Id: 49
 Direction: N
 Distance: 0.610 mi.
 Actual: 3222.811 ft.
 Elevation: 0.083 mi. / 438.202 ft.
 Relative: Lower

Site Name : 183980
 40.52805999999999, -75.52167
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132926
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183980
 Owner : KLINE MICHAEL
 Yield GPM : 30
 Casing Top : 0 / 180 / 6
 Licensee : PHARES FRY WELL DRILLING & PUMP SERVICE INC
 Local Well Number : 3347N
 Date Drilled : 07/27/1992
 Well Depth : 240
 Static Level : 50
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : LEITHSVILLE FORMATION
 WQ Data : 0
 Depth to Bed : 0
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.52805999999999
 Longitude : -75.52167

Envirosite ID: 415134475
EPA ID: N/R

PAGWIS ID :	184044
Owner :	RIZZUTO SAL
Yield GPM :	10
Casing Top :	0 / 85 / 6
Licensee :	R AND R GARBER DRILLING INC
Local Well Number :	3411N
Date Drilled :	09/01/1991
Well Depth :	198
Static Level :	198
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HARDYSTON FORMATION-QUARTZITE
WQ Data :	0
Depth to Bed :	60
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5172199999999
Longitude :	-75.5105599999999

Envirosite ID: 404722275
EPA ID: N/R

[illegible]

Map Id: 51
 Direction: W
 Distance: 0.627 mi.
 Actual: 3310.320 ft.
 Elevation: 0.08 mi. / 424.406 ft.
 Relative: Lower

Site Name : 403112075320301
 40.52009740, -75.53379600
 PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 404722275
EPA ID: N/R

NWIS (*cont.*)

Date of First Construction : 1952
 Date Site Established or Inventoried: N/R
 Drainage Area : N/R
 Contributing Drainage Area : N/R
 Data Reliability : Data have been checked by the reporting agency.
 Data-other GW Files : YYYYNNNN
 National Aquifer : Valley and Ridge aquifers
 Local Aquifer : Leithsville Formation
 Local Aquifer Type : N/R
 Well Depth : 560
 Hole Depth : N/R
 Source of Depth Data : N/R
 Project Number : N/R
 Real-Time Data Flag : 0
 Peak-Streamflow Data Begin Date : N/R
 Peak-Streamflow Data End Date : N/R
 Peak-Streamflow Data Count : 0
 Water-Quality Data Begin Date : 06/20/1967
 Water-Quality Data End Date : 06/20/1967
 Water-Quality Data Count : 1
 Field Water-Level Data Begin Date : 06/01/1967
 Field Water-Level Data End Date : 06/20/1967
 Field Water-Level Data Count : 2
 Site-Visit Data Begin Date : N/R
 Site-Visit Data End Date : N/R
 Site-Visit Data Count : 0
 Latitude : 40.52009740
 Longitude : -75.53379600
 Last Date in Agency List : 11/23/2018

Map Id: I52
 Direction: SW
 Distance: 0.678 mi.
 Actual: 3578.068 ft.
 Elevation: 0.102 mi. / 536.906 ft.
 Relative: Higher

Site Name : 184333
 40.51138999999999, -75.52971999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997144
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184333
 Owner : KONESKI A
 Yield GPM : 30
 Casing Top : 0 / 175 / 6
 Licensee : MAYER'S WELL DRILLING
 Local Well Number : X 1475
 Date Drilled : N/R
 Well Depth : 220
 Static Level : 40
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : CAMBRIAN SYSTEM

Map Id: I52
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184333
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 408997144
EPA ID: N/R

WELLS - PA (*cont.*)

WQ Data : 0
Depth to Bed : 170
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5113899999999
Longitude : -75.5297199999999

Map Id: I53
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184334
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997145
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184334
Owner : KONESKI A
Yield GPM : 30
Casing Top : 0 / 175 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1476
Date Drilled : N/R
Well Depth : 180
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : ELBROOK FORMATION
WQ Data : 0
Depth to Bed : 0
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5113899999999
Longitude : -75.5297199999999

Map Id: I54
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184335
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997146
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184335
Owner : WOOD VALLEY LI
Yield GPM : 15
Casing Top : 0 / 200 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1477
Date Drilled : N/R
Well Depth : 240
Static Level : 75
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : ELBROOK FORMATION
WQ Data : 0
Depth to Bed : 0
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5113899999999
Longitude : -75.5297199999999

Map Id: I55
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184331
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000533
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184331
Owner : KONESKI A
Yield GPM : 25
Casing Top : 0 / 186 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1473
Date Drilled : N/R
Well Depth : 200
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : CAMBRIAN SYSTEM
WQ Data : 0
Depth to Bed : 180
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST

Map Id: I55
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184331
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 409000533
EPA ID: N/R

WELLS - PA (*cont.*)

Latitude : 40.5113899999999
Longitude : -75.5297199999999

Map Id: I56
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184332
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000537
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184332
Owner : KONESKI A
Yield GPM : 50
Casing Top : 0 / 220 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1474
Date Drilled : N/R
Well Depth : 240
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : CAMBRIAN SYSTEM
WQ Data : 0
Depth to Bed : 220
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5113899999999
Longitude : -75.5297199999999

Map Id: I57
Direction: SW
Distance: 0.678 mi.
Actual: 3578.068 ft.
Elevation: 0.102 mi. / 536.906 ft.
Relative: Higher

Site Name : 184336
40.5113899999999, -75.5297199999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000541
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184336
Owner : WOOD VALLEY L2
Yield GPM : 30

Map Id: I57
 Direction: SW
 Distance: 0.678 mi.
 Actual: 3578.068 ft.
 Elevation: 0.102 mi. / 536.906 ft.
 Relative: Higher

Site Name : 184336
 40.5113899999999, -75.5297199999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 409000541
EPA ID: N/R

WELLS - PA (*cont.*)

Casing Top :	0 / 213 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1478
Date Drilled :	N/R
Well Depth :	240
Static Level :	50
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	210
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5113899999999
Longitude :	-75.5297199999999

Map Id: I58
 Direction: SW
 Distance: 0.678 mi.
 Actual: 3578.068 ft.
 Elevation: 0.102 mi. / 536.906 ft.
 Relative: Higher

Site Name : 184337
 40.5113899999999, -75.5297199999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000542
EPA ID: N/R

WELLS - PA

PAGWIS ID :	184337
Owner :	KONESKI A L6
Yield GPM :	20
Casing Top :	0 / 130 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1479
Date Drilled :	N/R
Well Depth :	220
Static Level :	50
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	125
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5113899999999
Longitude :	-75.5297199999999

Map Id: J59
Direction: SW
Distance: 0.693 mi.
Actual: 3656.490 ft.
Elevation: 0.1 mi. / 526.053 ft.
Relative: Higher

Site Name : 184338
40.5108299999999, -75.5291699999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997147
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184338
Owner : KONESKI A L10
Yield GPM : 30
Casing Top : 0 / 251 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1481
Date Drilled : N/R
Well Depth : 260
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : ELBROOK FORMATION
WQ Data : 0
Depth to Bed : 245
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5108299999999
Longitude : -75.5291699999999

Map Id: J60
Direction: SW
Distance: 0.693 mi.
Actual: 3656.490 ft.
Elevation: 0.1 mi. / 526.053 ft.
Relative: Higher

Site Name : 184339
40.5108299999999, -75.5291699999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000543
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184339
Owner : WOOD VALLEY L12
Yield GPM : 15
Casing Top : 0 / 180 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1482
Date Drilled : N/R
Well Depth : 200
Static Level : 100
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : CAMBRIAN SYSTEM
WQ Data : 0
Depth to Bed : 0
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST

Map Id: J60
Direction: SW
Distance: 0.693 mi.
Actual: 3656.490 ft.
Elevation: 0.1 mi. / 526.053 ft.
Relative: Higher

Site Name : 184339
40.5108299999999, -75.5291699999999
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 409000543
EPA ID: N/R

WELLS - PA (*cont.*)

Latitude : 40.5108299999999
Longitude : -75.5291699999999

Map Id: J61
Direction: SW
Distance: 0.693 mi.
Actual: 3656.490 ft.
Elevation: 0.1 mi. / 526.053 ft.
Relative: Higher

Site Name : 184340
40.5108299999999, -75.5291699999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000547
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184340
Owner : WOOD VALLEY L20
Yield GPM : 6
Casing Top : 0 / 40 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1483
Date Drilled : N/R
Well Depth : 280
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : ELBROOK FORMATION
WQ Data : 0
Depth to Bed : 35
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5108299999999
Longitude : -75.5291699999999

Map Id: J62
Direction: SW
Distance: 0.693 mi.
Actual: 3656.490 ft.
Elevation: 0.1 mi. / 526.053 ft.
Relative: Higher

Site Name : 184341
40.5108299999999, -75.5291699999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000548
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184341
Owner : WOOD VALLEY L23
Yield GPM : 7

Map Id: J62
 Direction: SW
 Distance: 0.693 mi.
 Actual: 3656.490 ft.
 Elevation: 0.1 mi. / 526.053 ft.
 Relative: Higher

Site Name : 184341
 40.5108299999999, -75.5291699999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 409000548
EPA ID: N/R

WELLS - PA (*cont.*)

Casing Top :	0 / 140 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1484
Date Drilled :	N/R
Well Depth :	240
Static Level :	100
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	0
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5108299999999
Longitude :	-75.5291699999999

Map Id: J63
 Direction: SW
 Distance: 0.693 mi.
 Actual: 3656.490 ft.
 Elevation: 0.1 mi. / 526.053 ft.
 Relative: Higher

Site Name : 184342
 40.5108299999999, -75.5291699999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000550
EPA ID: N/R

WELLS - PA

PAGWIS ID :	184342
Owner :	WOOD VALLEY L24
Yield GPM :	25
Casing Top :	0 / 193 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1485
Date Drilled :	N/R
Well Depth :	200
Static Level :	100
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	190
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5108299999999
Longitude :	-75.5291699999999

Map Id: J64
 Direction: SW
 Distance: 0.708 mi.
 Actual: 3739.076 ft.
 Elevation: 0.101 mi. / 532.674 ft.
 Relative: Higher

Site Name : 183884
 40.5105599999999, -75.5291699999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000392
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183884
 Owner : KONESKI A
 Yield GPM : 15
 Casing Top : 0 / 140 / 6
 Licensee : N/R
 Local Well Number : 1848N
 Date Drilled : 01/01/1984
 Well Depth : 280
 Static Level : 125
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 50
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5105599999999
 Longitude : -75.5291699999999

Map Id: J65
 Direction: SW
 Distance: 0.725 mi.
 Actual: 3825.510 ft.
 Elevation: 0.101 mi. / 535.787 ft.
 Relative: Higher

Site Name : 183883
 40.51028, -75.5291699999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408996947
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183883
 Owner : KONESKI A
 Yield GPM : 20
 Casing Top : 0 / 35 / 6
 Licensee : N/R
 Local Well Number : 1847N
 Date Drilled : 04/01/1981
 Well Depth : 200
 Static Level : 35
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 28
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST

Map Id: J65
Direction: SW
Distance: 0.725 mi.
Actual: 3825.510 ft.
Elevation: 0.101 mi. / 535.787 ft.
Relative: Higher

Site Name : 183883
40.51028, -75.52916999999999
PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 408996947
EPA ID: N/R

WELLS - PA (cont.)

Latitude : 40.51028
Longitude : -75.52916999999999

Map Id: 66
Direction: SE
Distance: 0.726 mi.
Actual: 3834.949 ft.
Elevation: 0.122 mi. / 646.184 ft.
Relative: Higher

Site Name : 184023
40.51082999999999, -75.51361
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000475
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184023
Owner : LANDIS SAM
Yield GPM : 2.5
Casing Top : 0 / 42 / 6
Licensee : REITH BROS INC
Local Well Number : 3390N
Date Drilled : N/R
Well Depth : 460
Static Level : 0
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : GRANITE & GRANITE GNEISS
WQ Data : 0
Depth to Bed : 30
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.51082999999999
Longitude : -75.51361

Map Id: 67
Direction: SW
Distance: 0.730 mi.
Actual: 3856.062 ft.
Elevation: 0.1 mi. / 530.541 ft.
Relative: Higher

Site Name : 184344
40.51166999999999, -75.53166999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415132998
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184344
Owner : KONESKI ANTHONY
Yield GPM : 10

Envirosite ID: 415132998
EPA ID: N/R

Casing Top :	0 / 168 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1487
Date Drilled :	N/R
Well Depth :	240
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	158
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5116699999999
Longitude :	-75.5316699999999

Envirosite ID: 404691531
EPA ID: N/R

[illegible]

Map Id: 68
Direction: E
Distance: 0.739 mi.
Actual: 3899.393 ft.
Elevation: 0.076 mi. / 399.108 ft.
Relative: Lower

Site Name : 403117075303101
40.52148660, -75.50823949
PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 404691531
EPA ID: N/R

NWIS (*cont.*)

Contributing Drainage Area : N/R
Data Reliability : Unchecked data.
Data-other GW Files : NNNNNNNN
National Aquifer : N/R
Local Aquifer : N/R
Local Aquifer Type : N/R
Well Depth : N/R
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : 0
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : 0
Water-Quality Data Begin Date : 09/06/1984
Water-Quality Data End Date : 09/06/1984
Water-Quality Data Count : 1
Field Water-Level Data Begin Date : N/R
Field Water-Level Data End Date : N/R
Field Water-Level Data Count : 0
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.52148660
Longitude : -75.50823949
Last Date in Agency List : 11/23/2018

Map Id: J69
Direction: SW
Distance: 0.741 mi.
Actual: 3912.694 ft.
Elevation: 0.103 mi. / 541.293 ft.
Relative: Higher

Site Name : 183882
40.50999999999999, -75.52916999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000391
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183882
Owner : KONESKI A
Yield GPM : 6
Casing Top : 0 / 45 / 6
Licensee : N/R
Local Well Number : 1846N
Date Drilled : 10/01/1981
Well Depth : 520
Static Level : 75
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : HARDYSTON FORMATION-QUARTZITE
WQ Data : 0
Depth to Bed : 35
Site Type : WELL

Map Id: J69
Direction: SW
Distance: 0.741 mi.
Actual: 3912.694 ft.
Elevation: 0.103 mi. / 541.293 ft.
Relative: Higher

Site Name : 183882
40.5099999999999, -75.5291699999999
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 409000391
EPA ID: N/R

WELLS - PA (*cont.*)

Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5099999999999
Longitude : -75.5291699999999

Map Id: J70
Direction: SW
Distance: 0.758 mi.
Actual: 4000.579 ft.
Elevation: 0.103 mi. / 543.999 ft.
Relative: Higher

Site Name : 183881
40.50972, -75.5291699999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408996946
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183881
Owner : KONESKI A
Yield GPM : 15
Casing Top : 0 / 130 / 6
Licensee : N/R
Local Well Number : 1845N
Date Drilled : 08/01/1980
Well Depth : 220
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : HARDYSTON FORMATION-QUARTZITE
WQ Data : 0
Depth to Bed : 120
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.50972
Longitude : -75.5291699999999

Map Id: 71
 Direction: N
 Distance: 0.764 mi.
 Actual: 4033.650 ft.
 Elevation: 0.081 mi. / 429.396 ft.
 Relative: Lower

Site Name : 181296
 40.53027999999999, -75.52138999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408998825
EPA ID: N/R

WELLS - PA

PAGWIS ID : 181296
 Owner : LYNN THOMAS
 Yield GPM : 20
 Casing Top : 0 / 200 / 6
 Licensee : N/R
 Local Well Number : 2218N
 Date Drilled : 06/01/1989
 Well Depth : 225
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : ALLENTOWN FORMATION
 WQ Data : 0
 Depth to Bed : 180
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : LOWER MACUNGIE TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.53027999999999
 Longitude : -75.52138999999999

Map Id: 72
 Direction: NNW
 Distance: 0.765 mi.
 Actual: 4037.361 ft.
 Elevation: 0.081 mi. / 426.555 ft.
 Relative: Lower

Site Name : 80646
 40.52917, -75.52832999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 409031224
EPA ID: N/R

WELLS - PA

PAGWIS ID : 80646
 Owner : INDIAN MT LAKE
 Yield GPM : 16
 Casing Top : 0 / 47 / 1
 Licensee : DUANE MOYER WELL DRILLING
 Local Well Number : 2254N
 Date Drilled : 10/01/1988
 Well Depth : 200
 Static Level : 39
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : DUNCANNON MEM-CATSKILL FM
 WQ Data : 0
 Depth to Bed : 40
 Site Type : WELL
 Elevation : 0
 County : CARBON
 Municipality : PENN FOREST TWP.
 Quad Boundary : POHOPOCO MOUNTAIN

Map Id: 72
Direction: NNW
Distance: 0.765 mi.
Actual: 4037.361 ft.
Elevation: 0.081 mi. / 426.555 ft.
Relative: Lower

Site Name : 80646
40.52917, -75.52832999999999
PA
Database(s) : [WELLS - PA] (**cont.**)

Envirosite ID: 409031224
EPA ID: N/R

WELLS - PA (**cont.**)

Latitude : 40.52917
Longitude : -75.52832999999999

Map Id: J73
Direction: SW
Distance: 0.774 mi.
Actual: 4089.120 ft.
Elevation: 0.102 mi. / 540.328 ft.
Relative: Higher

Site Name : 183880
40.50943999999999, -75.52916999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000390
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183880
Owner : KONESKI A
Yield GPM : 8
Casing Top : 0 / 28 / 6
Licensee : N/R
Local Well Number : 1844N
Date Drilled : 09/01/1981
Well Depth : 380
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : HARDYSTON FORMATION-QUARTZITE
WQ Data : 0
Depth to Bed : 20
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.50943999999999
Longitude : -75.52916999999999

Map Id: 74
Direction: SSW
Distance: 0.782 mi.
Actual: 4128.411 ft.
Elevation: 0.1 mi. / 529.206 ft.
Relative: Higher

Site Name : 183917
40.50889, -75.52805999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000401
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183917
Owner : MACK J
Yield GPM : 15

Map Id: 74
 Direction: SSW
 Distance: 0.782 mi.
 Actual: 4128.411 ft.
 Elevation: 0.1 mi. / 529.206 ft.
 Relative: Higher

Site Name : 183917
 40.50889, -75.52805999999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 409000401
EPA ID: N/R

WELLS - PA (*cont.*)

Casing Top : 0 / 97 / 6
 Licensee : REITH BROS INC
 Local Well Number : 3283N
 Date Drilled : 11/01/1987
 Well Depth : 250
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : GRAPHITIC GNEISS
 WQ Data : 0
 Depth to Bed : 87
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.50889
 Longitude : -75.52805999999999

Map Id: 75
 Direction: SW
 Distance: 0.789 mi.
 Actual: 4168.513 ft.
 Elevation: 0.108 mi. / 572.172 ft.
 Relative: Higher

Site Name : 184330
 40.50999999999999, -75.53082999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997140
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184330
 Owner : KONESKI ANTHONY
 Yield GPM : 25
 Casing Top : 0 / 130 / 6
 Licensee : MAYER'S WELL DRILLING
 Local Well Number : X 1472
 Date Drilled : N/R
 Well Depth : 180
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : CAMBRIAN SYSTEM
 WQ Data : 0
 Depth to Bed : 120
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.50999999999999
 Longitude : -75.53082999999999

Map Id: 76
Direction: S
Distance: 0.794 mi.
Actual: 4192.164 ft.
Elevation: 0.123 mi. / 647.628 ft.
Relative: Higher

Site Name : 184351
40.50777999999999, -75.52028
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997153
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184351
Owner : BARTHOL CLAYTON
Yield GPM : 11
Casing Top : 0 / 30 / 6
Licensee : FRACK, RAY
Local Well Number : X 1494
Date Drilled : N/R
Well Depth : 72
Static Level : 32
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : HARDYSTON FORMATION-QUARTZITE
WQ Data : 0
Depth to Bed : 30
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.50777999999999
Longitude : -75.52028

Map Id: K77
Direction: SE
Distance: 0.805 mi.
Actual: 4249.453 ft.
Elevation: 0.126 mi. / 667.822 ft.
Relative: Higher

Site Name : 184356
40.50943999999999, -75.51361
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997159
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184356
Owner : HINKLE D
Yield GPM : 19
Casing Top : 0 / 65 / 6
Licensee : ODENHEIMER CO
Local Well Number : X 1499
Date Drilled : N/R
Well Depth : 300
Static Level : 0
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : GRANITE & GRANITE GNEISS
WQ Data : 0
Depth to Bed : 50
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST

Map Id: K77
Direction: SE
Distance: 0.805 mi.
Actual: 4249.453 ft.
Elevation: 0.126 mi. / 667.822 ft.
Relative: Higher

Site Name : 184356
40.5094399999999, -75.51361
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 408997159
EPA ID: N/R

WELLS - PA (*cont.*)

Latitude : 40.5094399999999
Longitude : -75.51361

Map Id: K78
Direction: SE
Distance: 0.805 mi.
Actual: 4249.453 ft.
Elevation: 0.126 mi. / 667.822 ft.
Relative: Higher

Site Name : 184357
40.5094399999999, -75.51361
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000557
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184357
Owner : IACOCCA T
Yield GPM : 2
Casing Top : 0 / 25 / 6
Licensee : MAYER'S WELL DRILLING
Local Well Number : X 1500
Date Drilled : N/R
Well Depth : 340
Static Level : 50
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : GRANITE & GRANITE GNEISS
WQ Data : 0
Depth to Bed : 20
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.5094399999999
Longitude : -75.51361

Map Id: K79
Direction: SE
Distance: 0.821 mi.
Actual: 4334.758 ft.
Elevation: 0.128 mi. / 673.986 ft.
Relative: Higher

Site Name : 184358
40.5094399999999, -75.5130599999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997160
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184358
Owner : DONEY S
Yield GPM : 8

Map Id: K79
 Direction: SE
 Distance: 0.821 mi.
 Actual: 4334.758 ft.
 Elevation: 0.128 mi. / 673.986 ft.
 Relative: Higher

Site Name : 184358
 40.5094399999999, -75.5130599999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 408997160
EPA ID: N/R

WELLS - PA (*cont.*)

Casing Top :	0 / 51 / 6
Licensee :	REITH BROS INC
Local Well Number :	X 1501
Date Drilled :	N/R
Well Depth :	125
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HARDYSTON FORMATION-QUARTZITE
WQ Data :	0
Depth to Bed :	46
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5094399999999
Longitude :	-75.5130599999999

Map Id: K80
 Direction: SE
 Distance: 0.821 mi.
 Actual: 4334.758 ft.
 Elevation: 0.128 mi. / 673.986 ft.
 Relative: Higher

Site Name : 184359
 40.5094399999999, -75.5130599999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997167
EPA ID: N/R

WELLS - PA

PAGWIS ID :	184359
Owner :	LINLEY G
Yield GPM :	4
Casing Top :	0 / 80 / 6
Licensee :	REITH BROS INC
Local Well Number :	X 1502
Date Drilled :	N/R
Well Depth :	300
Static Level :	0
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	CAMBRIAN SYSTEM
WQ Data :	0
Depth to Bed :	77
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLENTOWN WEST
Latitude :	40.5094399999999
Longitude :	-75.5130599999999

Map Id: 81
Direction: W
Distance: 0.822 mi.
Actual: 4339.703 ft.
Elevation: 0.076 mi. / 398.799 ft.
Relative: Lower

Site Name : 181227
40.52167, -75.53721999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415133355
EPA ID: N/R

WELLS - PA

PAGWIS ID : 181227
Owner : WRIGHT R E ASSOC
Yield GPM : 9
Casing Top : 0 / 52 / 6
Licensee : N/R
Local Well Number : 1600N
Date Drilled : 09/01/1981
Well Depth : 80
Static Level : 42
Well Finish : SCREEN
Use of Site : MINE
Use of Water : N/R
Formation : LEITHSVILLE FORMATION
WQ Data : 0
Depth to Bed : 40
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : LOWER MACUNGIE TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.52167
Longitude : -75.53721999999999

Map Id: 82
Direction: W
Distance: 0.822 mi.
Actual: 4341.859 ft.
Elevation: 0.079 mi. / 417.221 ft.
Relative: Lower

Site Name : 181228
40.52028, -75.5375
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415133356
EPA ID: N/R

WELLS - PA

PAGWIS ID : 181228
Owner : WRIGHT R E ASSOC
Yield GPM : 15
Casing Top : 0 / 110 / 6
Licensee : N/R
Local Well Number : 1601N
Date Drilled : 08/01/1981
Well Depth : 108
Static Level : 42
Well Finish : SCREEN
Use of Site : MINE
Use of Water : N/R
Formation : LEITHSVILLE FORMATION
WQ Data : 0
Depth to Bed : 98
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : LOWER MACUNGIE TWP.
Quad Boundary : ALLENTOWN WEST

Map Id: 83
Direction: W
Distance: 0.828 mi.
Actual: 4371.255 ft.
Elevation: 0.083 mi. / 437.254 ft.
Relative: Lower

Site Name : 403101075321601
40.51704180, -75.53740729
PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 404631291
EPA ID: N/R

NWIS (*cont.*)

Field Water-Level Data Begin Date : 10/01/1962
Field Water-Level Data End Date : 06/08/1967
Field Water-Level Data Count : 2
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.51704180
Longitude : -75.53740729
Last Date in Agency List : 11/23/2018

Map Id: 84
Direction: S
Distance: 0.828 mi.
Actual: 4373.250 ft.
Elevation: 0.118 mi. / 623.593 ft.
Relative: Higher

Site Name : 184025
40.50721999999999, -75.52138999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 409000476
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184025
Owner : STOUDNOUR JOHN
Yield GPM : 70
Casing Top : 0 / 44 / 8
Licensee : N/R
Local Well Number : 3392N
Date Drilled : 10/01/1988
Well Depth : 415
Static Level : 40
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : PUBLIC SUPPLY
Formation : HARDYSTON FORMATION-QUARTZITE
WQ Data : 0
Depth to Bed : 20
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.50721999999999
Longitude : -75.52138999999999

Site Name : 403035075315701
40.50981970, -75.53212930
PA

Database(s) : [NWIS]

NWIS

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Map Id: L86
Direction: N
Distance: 0.855 mi.
Actual: 4516.368 ft.
Elevation: 0.077 mi. / 403.934 ft.
Relative: Lower

Site Name : 403153075311201
40.53148639, -75.51962880
PA
Database(s) : [NWIS]

Envirosite ID: 404603272
EPA ID: N/R

NWIS

Site Identification Number : 403153075311201
Site Type : Well
Station Name : LE 411
Agency : U.S. Geological Survey
District : Pennsylvania
State : PA
County : Lehigh County
Country : USA
Land Net Location : N/R
Name of Location Map : ALLENTOWN WEST
Scale of Location Map : 24000
Altitude of Gage/Land Surface : 410
Method Altitude Determined : Interpolated from topographic map.
Altitude Accuracy : 5
Altitude Datum : National Geodetic Vertical Datum of 1929
Hydrologic Unit : Lehigh
Drainage Basin : N/R
Topographic Setting : Hillside
Flags for the Type of Data Collected: N/R
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction : 01/01/1940
Date Site Established or Inventoried: N/R
Drainage Area : N/R
Contributing Drainage Area : N/R
Data Reliability : Data have been checked by the reporting agency.
Data-other GW Files : YYNNNNNN
National Aquifer : Valley and Ridge aquifers
Local Aquifer : Allentown Formation
Local Aquifer Type : N/R
Well Depth : 145
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : N/R
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : N/R
Water-Quality Data Begin Date : N/R
Water-Quality Data End Date : N/R
Water-Quality Data Count : N/R
Field Water-Level Data Begin Date : N/R
Field Water-Level Data End Date : N/R
Field Water-Level Data Count : N/R
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : N/R
Latitude : 40.53148639
Longitude : -75.51962880
Last Date in Agency List : 11/23/2018

Map Id: 87
 Direction: SE
 Distance: 0.859 mi.
 Actual: 4536.952 ft.
 Elevation: 0.128 mi. / 675.663 ft.
 Relative: Higher

Site Name : 184292
 40.50972, -75.51138999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 415134486
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184292
 Owner : KONESKI GEORGE
 Yield GPM : 0
 Casing Top : 0 / 30 / 6
 Licensee : C S GARBER & SONS INC
 Local Well Number : X 0402
 Date Drilled : 01/01/1973
 Well Depth : 230
 Static Level : 25
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 13
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.50972
 Longitude : -75.51138999999999

Map Id: 88
 Direction: SSE
 Distance: 0.860 mi.
 Actual: 4541.971 ft.
 Elevation: 0.125 mi. / 658.563 ft.
 Relative: Higher

Site Name : 184046
 40.50721999999999, -75.51749999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997076
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184046
 Owner : HARVEST BUILDERS
 Yield GPM : 15
 Casing Top : 0 / 190 / 6
 Licensee : REITH BROS INC
 Local Well Number : 3413N
 Date Drilled : 08/01/1989
 Well Depth : 200
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE
 WQ Data : 0
 Depth to Bed : 175
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST

Map Id: 88
 Direction: SSE
 Distance: 0.860 mi.
 Actual: 4541.971 ft.
 Elevation: 0.125 mi. / 658.563 ft.
 Relative: Higher

Site Name : 184046
 40.5072199999999, -75.5174999999999
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 408997076
EPA ID: N/R

WELLS - PA (*cont.*)

Latitude : 40.5072199999999
 Longitude : -75.5174999999999

Map Id: 89
 Direction: SW
 Distance: 0.866 mi.
 Actual: 4570.320 ft.
 Elevation: 0.101 mi. / 535.863 ft.
 Relative: Higher

Site Name : 183891
 40.5108299999999, -75.53417
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408996951
EPA ID: N/R

WELLS - PA

PAGWIS ID : 183891
 Owner : WILLIAMS L
 Yield GPM : 5
 Casing Top : 0 / 41 / 6
 Licensee : WONSIDLER WELL DRILLING INC
 Local Well Number : 1855N
 Date Drilled : 01/01/1983
 Well Depth : 200
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : ALLENTOWN FORMATION
 WQ Data : 0
 Depth to Bed : 21
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN EAST
 Latitude : 40.5108299999999
 Longitude : -75.53417

Map Id: L90
 Direction: NNE
 Distance: 0.874 mi.
 Actual: 4612.249 ft.
 Elevation: 0.076 mi. / 400.604 ft.
 Relative: Lower

Site Name : PA3391043
 4200 INDIAN CREEK ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF]

Envirosite ID: 358170850
EPA ID: N/R

PWS

Facility Address : 4200 INDIAN CREEK ROAD, EMMAUS, PA 18049

Map Id: L90
 Direction: NNE
 Distance: 0.874 mi.
 Actual: 4612.249 ft.
 Elevation: 0.076 mi. / 400.604 ft.
 Relative: Lower

Site Name : PA3391043
 4200 INDIAN CREEK ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358170850
EPA ID: N/R

PWS (cont.)

PWS ID : PA3391043
 PWS Type : Transient non-community system
 PWS Name : CHESTNUT STREET PLAZA
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2018
 Submission Year Quarter : 2018Q3
 Population Served Count : 150
 Service Connections Count : 1
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : <=500
 Population Category 11 : 101-500
 Submission Quarter : 3
 Submission Status Code : Y
 First Reported Date : 08/15/2008
 Last Reported Date : 09/18/2018
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N/R
 Primacy Agency : Pennsylvania
 Primacy Type : State
 Org Name : CHESTNUT STREET PLAZA
 EPA Region : Region 3
 Admin Name : BARBRA TANTAROS
 Owner Type : Private
 Phone Number : 610-966-2875
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : N/R
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : 01-01
 Season End Date : 12-31
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTCR Monitoring : N/R
 Last Date in Agency List : 10/18/2018

PWS ENF

Facility Address : 4200 INDIAN CREEK ROAD, EMMAUS, PA 18049

PWS ID : PA3391043
 PWS Name : CHESTNUT STREET PLAZA

Map Id: L90
 Direction: NNE
 Distance: 0.874 mi.
 Actual: 4612.249 ft.
 Elevation: 0.076 mi. / 400.604 ft.
 Relative: Lower

Site Name : PA3391043
 4200 INDIAN CREEK ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358170850
EPA ID: N/R

PWS ENF (cont.)

EPA Region :	Region 3
Primacy Agency :	Pennsylvania
PWS Type :	Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	610-966-2875
Last Date in Agency List :	10/18/2018

Violation Details

RTC Enforcement ID :	081794280001
Violation ID :	0817942
Submission Year :	2018
Violation First Reported Date :	08/18/2008
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	4200 INDIAN CREEK ROAD, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	09/15/2008
Enforcement Action Description :	State Public Notification received
Admin Name :	BARBRA TANTAROS
Email Address :	N/R

RTC Enforcement ID :	11273429001
Violation ID :	1127342
Submission Year :	2018
Violation First Reported Date :	08/19/2011
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	4200 INDIAN CREEK ROAD, EMMAUS, 18049
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	07/28/2011
Enforcement Action Description :	State Compliance achieved
Admin Name :	BARBRA TANTAROS
Email Address :	N/R

Map Id: L90
Direction: NNE
Distance: 0.874 mi.
Actual: 4612.249 ft.
Elevation: 0.076 mi. / 400.604 ft.
Relative: Lower

Site Name : PA3391043
4200 INDIAN CREEK ROAD
EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358170850
EPA ID: N/R

PWS ENF (cont.)

RTC Enforcement ID : 11336449003
Violation ID : 1133644
Submission Year : 2018
Violation First Reported Date : 09/21/2011
Contaminant Name : Coliform (TCR)
Rule Family : Total Coliform Rules
Rule Group : Microbials
Rule Name : Total Coliform Rule
Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based : Y
Is Major Violation : N/R
Severity Indicator Count : N/R
Public Notification Tier : 2
Address Line 1 : 4200 INDIAN CREEK ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 08/23/2011
Enforcement Action Description : State Compliance achieved
Admin Name : BARBRA TANTAROS
Email Address : N/R

RTC Enforcement ID : 12396579001
Violation ID : 1139657
Submission Year : 2018
Violation First Reported Date : 11/22/2011
Contaminant Name : Nitrate
Rule Family : Inorganic Chemicals
Rule Group : Chemicals
Rule Name : Nitrates
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3
Address Line 1 : 4200 INDIAN CREEK ROAD, EMMAUS, 18049
Address Line 2 : N/R
Compliance Status : Returned to Compliance
RTC Date : 01/18/2012
Enforcement Action Description : State Compliance achieved
Admin Name : BARBRA TANTAROS
Email Address : N/R

RTC Enforcement ID : 12396579001
Violation ID : 1139658
Submission Year : 2018
Violation First Reported Date : 11/22/2011
Contaminant Name : Nitrite
Rule Family : Inorganic Chemicals
Rule Group : Chemicals
Rule Name : Nitrates
Violation Type : Monitoring, Regular
Is Health Based : N
Is Major Violation : Y
Severity Indicator Count : N/R
Public Notification Tier : 3

Map Id: L90
 Direction: NNE
 Distance: 0.874 mi.
 Actual: 4612.249 ft.
 Elevation: 0.076 mi. / 400.604 ft.
 Relative: Lower

Site Name : PA3391043
 4200 INDIAN CREEK ROAD
 EMMAUS, PA 18049
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 358170850
EPA ID: N/R

PWS ENF (**cont.**)

Address Line 1 : 4200 INDIAN CREEK ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 01/18/2012
 Enforcement Action Description : State Compliance achieved
 Admin Name : BARBRA TANTAROS
 Email Address : N/R

RTC Enforcement ID : 161520838001
 Violation ID : 1615208
 Submission Year : 2018
 Violation First Reported Date : 06/13/2016
 Contaminant Name : Revised Total Coliform Rule
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Revised Total Coliform Rule
 Violation Type : Sample Siting Plan Errors (RTCR)
 Is Health Based : N
 Is Major Violation : N/R
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : 4200 INDIAN CREEK ROAD, EMMAUS, 18049
 Address Line 2 : N/R
 Compliance Status : Returned to Compliance
 RTC Date : 06/03/2016
 Enforcement Action Description : State Compliance achieved
 Admin Name : BARBRA TANTAROS
 Email Address : N/R

Map Id: M91
 Direction: S
 Distance: 0.874 mi.
 Actual: 4612.549 ft.
 Elevation: 0.11 mi. / 581.939 ft.
 Relative: Higher

Site Name : 184028
 40.50667, -75.52416999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408997072
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184028
 Owner : STOUDNOUR JOHN
 Yield GPM : 20
 Casing Top : 0 / 50 / 8
 Licensee : N/R
 Local Well Number : 3395N
 Date Drilled : 10/01/1988
 Well Depth : 490
 Static Level : 40
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE

Map Id: M91
Direction: S
Distance: 0.874 mi.
Actual: 4612.549 ft.
Elevation: 0.11 mi. / 581.939 ft.
Relative: Higher

Site Name : 184028
40.50667, -75.52416999999999
PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 408997072
EPA ID: N/R

WELLS - PA (*cont.*)

WQ Data : 0
Depth to Bed : 25
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.50667
Longitude : -75.52416999999999

Map Id: M92
Direction: S
Distance: 0.889 mi.
Actual: 4695.764 ft.
Elevation: 0.112 mi. / 591.719 ft.
Relative: Higher

Site Name : 184352
40.50638999999999, -75.52360999999999
PA
Database(s) : [WELLS - PA]

Envirosite ID: 415134495
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184352
Owner : MADTES G
Yield GPM : 10
Casing Top : 0 / 67 / 6
Licensee : REITH BROS INC
Local Well Number : X 1495
Date Drilled : N/R
Well Depth : 125
Static Level : 0
Well Finish : OPEN HOLE
Use of Site : WITHDRAWAL
Use of Water : DOMESTIC
Formation : CAMBRIAN SYSTEM
WQ Data : 0
Depth to Bed : 50
Site Type : WELL
Elevation : 0
County : LEHIGH
Municipality : UPPER MILFORD TWP.
Quad Boundary : ALLENTOWN WEST
Latitude : 40.50638999999999
Longitude : -75.52360999999999

Map Id: 93
Direction: NE
Distance: 0.932 mi.
Actual: 4921.649 ft.
Elevation: 0.074 mi. / 391.962 ft.
Relative: Lower

Site Name : 403152075305101
40.53120869, -75.51379520
PA
Database(s) : [NWIS]

Envirosite ID: 404735553
EPA ID: N/R

NWIS

Site Identification Number : 403152075305101
Site Type : Well
Station Name : LE 907
Agency : U.S. Geological Survey
District : Pennsylvania
State : PA
County : Lehigh County
Country : USA
Land Net Location : N/R
Name of Location Map : ALLENTOWN WEST
Scale of Location Map : 24000
Altitude of Gage/Land Surface : 390
Method Altitude Determined : Interpolated from topographic map.
Altitude Accuracy : 5
Altitude Datum : National Geodetic Vertical Datum of 1929
Hydrologic Unit : Lehigh
Drainage Basin : N/R
Topographic Setting : Hillside
Flags for the Type of Data Collected: N/R
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction : 01/01/1967
Date Site Established or Inventoried: N/R
Drainage Area : N/R
Contributing Drainage Area : N/R
Data Reliability : Data have been checked by the reporting agency.
Data-other GW Files : YYNNNNNN
National Aquifer : Valley and Ridge aquifers
Local Aquifer : Leithsville Formation
Local Aquifer Type : N/R
Well Depth : 192
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : 0
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : 0
Water-Quality Data Begin Date : N/R
Water-Quality Data End Date : N/R
Water-Quality Data Count : 0
Field Water-Level Data Begin Date : 03/01/1967
Field Water-Level Data End Date : 03/01/1967
Field Water-Level Data Count : 1
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.53120869
Longitude : -75.51379520
Last Date in Agency List : 11/23/2018

Map Id: 94
Direction: NE
Distance: 0.973 mi.
Actual: 5138.787 ft.
Elevation: 0.069 mi. / 363.104 ft.
Relative: Lower

Site Name : 403148075303801
40.53009764, -75.51018400
PA
Database(s) : [NWIS]

Envirosite ID: 404729105
EPA ID: N/R

NWIS

Site Identification Number : 403148075303801
Site Type : Well
Station Name : LE 906
Agency : U.S. Geological Survey
District : Pennsylvania
State : PA
County : Lehigh County
Country : USA
Land Net Location : N/R
Name of Location Map : ALLENTOWN WEST
Scale of Location Map : 24000
Altitude of Gage/Land Surface : 364
Method Altitude Determined : Interpolated from topographic map.
Altitude Accuracy : 10
Altitude Datum : National Geodetic Vertical Datum of 1929
Hydrologic Unit : Lehigh
Drainage Basin : N/R
Topographic Setting : Valley flat
Flags for the Type of Data Collected: N/R
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction : 1948
Date Site Established or Inventoried: N/R
Drainage Area : N/R
Contributing Drainage Area : N/R
Data Reliability : Data have been checked by the reporting agency.
Data-other GW Files : YYNYYNN
National Aquifer : Valley and Ridge aquifers
Local Aquifer : Leithsville Formation
Local Aquifer Type : N/R
Well Depth : 132
Hole Depth : N/R
Source of Depth Data : N/R
Project Number : N/R
Real-Time Data Flag : 0
Peak-Streamflow Data Begin Date : N/R
Peak-Streamflow Data End Date : N/R
Peak-Streamflow Data Count : 0
Water-Quality Data Begin Date : N/R
Water-Quality Data End Date : N/R
Water-Quality Data Count : 0
Field Water-Level Data Begin Date : 1957
Field Water-Level Data End Date : 1957
Field Water-Level Data Count : 1
Site-Visit Data Begin Date : N/R
Site-Visit Data End Date : N/R
Site-Visit Data Count : 0
Latitude : 40.53009764
Longitude : -75.51018400
Last Date in Agency List : 11/23/2018

Envirosite ID: 408997184
EPA ID: N/R

PAGWIS ID :	184363
Owner :	SILFIES D
Yield GPM :	25
Casing Top :	0 / 40 / 6
Licensee :	MAYER'S WELL DRILLING
Local Well Number :	X 1506
Date Drilled :	N/R
Well Depth :	100
Static Level :	20
Well Finish :	OPEN HOLE
Use of Site :	WITHDRAWAL
Use of Water :	DOMESTIC
Formation :	HORNBLENDE GNEISS
WQ Data :	0
Depth to Bed :	30
Site Type :	WELL
Elevation :	0
County :	LEHIGH
Municipality :	UPPER MILFORD TWP.
Quad Boundary :	ALLETOWN WEST
Latitude :	40.50860999999999
Longitude :	-75.50972

Envirosite ID: 405447899
EPA ID: N/R

[illegible]

Map Id: N96
 Direction: SE
 Distance: 0.979 mi.
 Actual: 5167.297 ft.
 Elevation: 0.122 mi. / 646.608 ft.
 Relative: Higher

Site Name : 403032075303401
 40.50898670, -75.50907290
 PA
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 405447899
EPA ID: N/R

NWIS (*cont.*)

Date of First Construction : 01/01/1957
 Date Site Established or Inventoried: N/R
 Drainage Area : N/R
 Contributing Drainage Area : N/R
 Data Reliability : Data have been checked by the reporting agency.
 Data-other GW Files : YYYYNNNN
 National Aquifer : Piedmont and Blue Ridge crystalline-rock aquifers
 Local Aquifer : Hardyston Quartzite
 Local Aquifer Type : N/R
 Well Depth : 395
 Hole Depth : N/R
 Source of Depth Data : N/R
 Project Number : N/R
 Real-Time Data Flag : 0
 Peak-Streamflow Data Begin Date : N/R
 Peak-Streamflow Data End Date : N/R
 Peak-Streamflow Data Count : 0
 Water-Quality Data Begin Date : 06/08/1967
 Water-Quality Data End Date : 06/08/1967
 Water-Quality Data Count : 1
 Field Water-Level Data Begin Date : 02/01/1957
 Field Water-Level Data End Date : 06/08/1967
 Field Water-Level Data Count : 2
 Site-Visit Data Begin Date : N/R
 Site-Visit Data End Date : N/R
 Site-Visit Data Count : 0
 Latitude : 40.50898670
 Longitude : -75.50907290
 Last Date in Agency List : 11/23/2018

Map Id: 97
 Direction: SSE
 Distance: 0.979 mi.
 Actual: 5170.482 ft.
 Elevation: 0.129 mi. / 679.065 ft.
 Relative: Higher

Site Name : 184024
 40.5075, -75.51778
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 364309193
EPA ID: N/R

WELLS - PA

PAGWIS ID : 184024
 Owner : YACKANICZ NICK
 Yield GPM : 7
 Casing Top : 0 / 83 / 6
 Licensee : N/R
 Local Well Number : 3391N
 Date Drilled : 10/01/1990
 Well Depth : 200
 Static Level : 0
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : HARDYSTON FORMATION-QUARTZITE

Map Id: 97
 Direction: SSE
 Distance: 0.979 mi.
 Actual: 5170.482 ft.
 Elevation: 0.129 mi. / 679.065 ft.
 Relative: Higher

Site Name : 184024
 40.5075, -75.51778
 PA
Database(s) : [WELLS - PA] (*cont.*)

Envirosite ID: 364309193
EPA ID: N/R

WELLS - PA (*cont.*)

WQ Data : 0
 Depth to Bed : 67
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : UPPER MILFORD TWP.
 Quad Boundary : ALLENTOWN WEST
 Latitude : 40.5075
 Longitude : -75.51778

Map Id: 98
 Direction: W
 Distance: 0.998 mi.
 Actual: 5269.501 ft.
 Elevation: 0.076 mi. / 401.188 ft.
 Relative: Lower

Site Name : 181279
 40.52194, -75.54055999999999
 PA
Database(s) : [WELLS - PA]

Envirosite ID: 408995509
EPA ID: N/R

WELLS - PA

PAGWIS ID : 181279
 Owner : KLASE RUSSELL
 Yield GPM : 15
 Casing Top : 0 / 180 / 6
 Licensee : PHARES FRY WELL DRILLING
 Local Well Number : 2201N
 Date Drilled : 05/09/1991
 Well Depth : 275
 Static Level : 60
 Well Finish : OPEN HOLE
 Use of Site : WITHDRAWAL
 Use of Water : DOMESTIC
 Formation : LEITHSVILLE FORMATION
 WQ Data : 0
 Depth to Bed : 170
 Site Type : WELL
 Elevation : 0
 County : LEHIGH
 Municipality : LOWER MACUNGIE TWP.
 Quad Boundary : EAST GREENVILLE
 Latitude : 40.52194
 Longitude : -75.54055999999999

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: No Available Data

NUMBER OF SAMPLE SITES: No Available Data

DRAFT

NWIS

National Water Information Systems

United States Geological Society

(703) 648-5953

Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS

Public Water Supply

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems

PWS ENF

Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems with enforcement violations

WELLS - PA

Water Well Locations

DEPARTMENT OF ENVIRONMENTAL PROTECTION

(717)772-2199

PAGWIS Well Water Well Inventory

APPENDIX D

Drilling Logs

COVENTRY ENVIRONMENTAL ASSOCIATES, INC.
DRILLING LOG

BORING NO:
mw-1

PROJECT NO:
UTS-02

DATE:
4/15/19

DRILLING METHOD: air rotary

PROJECT TITLE: United Tire Service

DRILLING COMPANY: Garber well drilling

PROJECT LOCATION:
United Tire Service
4094 Chestnut St
Emmaus, PA

BOREHOLE DIAMETER (IN):
8

WATER LEVEL (FT):

WEATHER CONDITIONS:
dry, warm

LOGGED BY:
jvw

DEPTH (FT)	LITHOLOGIC DESCRIPTION	well design	PID	COMMENTS
0	tan, silty clay, dry			
-			0	no petroleum odor
10			360	moderate petroleum odor
-			443	
20			221	
-	same lithology, moist		26	slight petroleum odor
-				
30				
----			1	no petroleum odor
40				
-	- same lithology, moist		0	no petroleum odor
50	- end boring @ 50.8 feet.			well consruction: 50 feet total well depth surface flush manhole 2 inch diameter 40 feet solid casing (tremie grout) 10 feet 0.02" screen
-				
60				
-				
70				
-				
80				
-				
90				
-				
100				

COVENTRY ENVIRONMENTAL ASSOCIATES, INC.
DRILLING LOG

BORING NO: mw-2

PROJECT NO: UTS-02	DATE: 4/15/19	DRILLING METHOD: air rotary	
PROJECT TITLE: United Tire Service		DRILLING COMPANY: Garber well drilling	
PROJECT LOCATION: United Tire Service 4094 Chestnut St Emmaus, PA		BOREHOLE DIAMETER (IN): 8	WATER LEVEL (FT):
		WEATHER CONDITIONS: dry, warm	LOGGED BY: jvw

DEPTH (FT)	LITHOLOGIC DESCRIPTION	well design	PID	COMMENTS
0	tan, silty clay, dry			
-			0	no petroleum odor
10			0.2	
-			25	slight petroleum odor
20			3.7	no petroleum odor
-	same lithology, moist			
-				
30			0	no petroleum odor
-				
40			0	
-	- same lithology, moist		0	no petroleum odor
50	- end boring @ 50 feet.			well construction: 50 feet total well depth surface flush manhole 2 inch diameter 40 feet solid casing (tremie grout) 10 feet 0.02" screen
-				
60				
-				
70				
-				
80				
-				
90				
-				
100				

COVENTRY ENVIRONMENTAL ASSOCIATES, INC.

DRILLING LOG

BORING NO:
mw-3PROJECT NO:
UTS-02DATE:
4/15/19

DRILLING METHOD: air rotary

PROJECT TITLE: United Tire Service

DRILLING COMPANY: Garber well drilling

PROJECT LOCATION:
United Tire Service
4094 Chestnut St
Emmaus, PABOREHOLE DIAMETER (IN):
8

WATER LEVEL (FT):

WEATHER CONDITIONS:
dry, warmLOGGED BY:
jvw

DEPTH (FT)	LITHOLOGIC DESCRIPTION	well design	PID	COMMENTS
0	tan, silty clay, dry			
-			0	no petroleum odor
10			0	
-				
20			0	no petroleum odor
-	same lithology, moist			
-				
30			0	no petroleum odor

40			0	no petroleum odor
-	- same lithology, moist			
50	- end boring @ 50 feet.		0	no petroleum odor
-				
60				well construction: 50 feet total well depth surface flush manhole 2 inch diameter 40 feet solid casing (tremie grout) 10 feet 0.02" screen
-				
70				
-				
80				
-				
90				
-				
100				

APPENDIX E

Laboratory Analytical Data



301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

May 17, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: **UST Testing**

Workorder: **3033054**

Purchase Order:

Workorder ID: **UTS**

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, May 9, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Jessica Lee Smith
Project Coordinator

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Report ID: 3033054 - 5/17/2019

Page 1 of 10

SAMPLE SUMMARY

Workorder: 3033054 UTS

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3033054001	MW-1	Ground Water	5/9/2019 13:30	5/9/2019 21:21	Mr. John VanWagenen
3033054002	MW-2	Ground Water	5/9/2019 13:45	5/9/2019 21:21	Mr. John VanWagenen
3033054003	MW-3	Ground Water	5/9/2019 14:00	5/9/2019 21:21	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3033054 UTS

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ALS Environmental



301 Fulfilling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3033054 UTS

Lab ID: 3033054001

Sample ID: MW-1

Date Collected: 5/9/2019 13:30

Matrix: Ground Water

Date Received: 5/9/2019 21:21

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	7090	1,2	ug/L	200	SW846 8260B			5/17/19 04:07	PDK	A
Ethylbenzene	835		ug/L	10.0	SW846 8260B			5/15/19 07:28	PDK	A
Isopropylbenzene	52.7		ug/L	10.0	SW846 8260B			5/15/19 07:28	PDK	A
Methyl t-Butyl Ether	918		ug/L	10.0	SW846 8260B			5/15/19 07:28	PDK	A
Naphthalene	43.0		ug/L	20.0	SW846 8260B			5/15/19 07:28	PDK	A
Toluene	10100		ug/L	200	SW846 8260B			5/15/19 07:28	PDK	A
Total Xylenes	9500		ug/L	600	SW846 8260B			5/17/19 04:07	PDK	A
1,2,4-Trimethylbenzene	1800		ug/L	10.0	SW846 8260B			5/17/19 04:07	PDK	A
1,3,5-Trimethylbenzene	862		ug/L	10.0	SW846 8260B			5/15/19 07:28	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	113		%	62 - 133	SW846 8260B			5/15/19 07:28	PDK	A
1,2-Dichloroethane-d4 (S)	115		%	62 - 133	SW846 8260B			5/17/19 04:07	PDK	A
4-Bromofluorobenzene (S)	99.8		%	79 - 114	SW846 8260B			5/17/19 04:07	PDK	A
4-Bromofluorobenzene (S)	100		%	79 - 114	SW846 8260B			5/15/19 07:28	PDK	A
Dibromofluoromethane (S)	105		%	78 - 116	SW846 8260B			5/17/19 04:07	PDK	A
Dibromofluoromethane (S)	112		%	78 - 116	SW846 8260B			5/15/19 07:28	PDK	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B			5/17/19 04:07	PDK	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/15/19 07:28	PDK	A

Jessica Lee Smith
Project Coordinator

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Report ID: 3033054 - 5/17/2019

ANALYTICAL RESULTS

Workorder: 3033054 UTS

Lab ID: 3033054002

Sample ID: MW-2

Date Collected: 5/9/2019 13:45

Matrix: Ground Water

Date Received: 5/9/2019 21:21

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/15/19 07:05	PDK	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/15/19 07:05	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/15/19 07:05	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	115		%	62 - 133	SW846 8260B			5/15/19 07:05	PDK	A
4-Bromofluorobenzene (S)	102		%	79 - 114	SW846 8260B			5/15/19 07:05	PDK	A
Dibromofluoromethane (S)	116		%	78 - 116	SW846 8260B			5/15/19 07:05	PDK	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/15/19 07:05	PDK	A



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ANALYTICAL RESULTS

Workorder: 3033054 UTS

Lab ID: 3033054003

Sample ID: MW-3

Date Collected: 5/9/2019 14:00

Matrix: Ground Water

Date Received: 5/9/2019 21:21

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
Methyl t-Butyl Ether	9.6		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
Naphthalene	3.9		ug/L	2.0	SW846 8260B			5/15/19 06:42	PDK	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
Total Xylenes	3.7		ug/L	3.0	SW846 8260B			5/15/19 06:42	PDK	A
1,2,4-Trimethylbenzene	4.7		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
1,3,5-Trimethylbenzene	1.0		ug/L	1.0	SW846 8260B			5/15/19 06:42	PDK	A
Surrogate Recoveries								5/15/19 06:42	PDK	A
1,2-Dichloroethane-d4 (S)	115		%	62 - 133	SW846 8260B			5/15/19 06:42	PDK	A
4-Bromofluorobenzene (S)	100		%	79 - 114	SW846 8260B			5/15/19 06:42	PDK	A
Dibromofluoromethane (S)	112		%	78 - 116	SW846 8260B			5/15/19 06:42	PDK	A
Toluene-d8 (S)	106		%	76 - 127	SW846 8260B			5/15/19 06:42	PDK	A



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ANALYTICAL RESULTSWorkorder: 3033054 UTS

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3033054001	1	MW-1	SW846 8260B	Benzene
pH - Methods for the analysis of volatile organics require that the sample be preserved to a pH less than 2 using HCl. This sample had a pH greater than 2 when received by the lab.				
3033054001	2	MW-1	SW846 8260B	Benzene
VTC - The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.				

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3033054 UTS

Lab ID	Sample ID	Analysis Method	Prep Method
3033054001	MW-1	SW846 8260B	
3033054002	MW-2	SW846 8260B	
3033054003	MW-3	SW846 8260B	

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301 Fulling Mill Road
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.



of

Client Name: <u>Lawrence Bros. Pesticides</u>		Container Type: <u>gallon</u>		Date Received: <u>5/14/19</u>		Time Received: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Address: <u>90 Bldg 224</u>		Container Size: <u>1 gal</u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Contact: <u>John Chrusciel</u>		Transfer: <u>ALC</u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Phone#: <u>610-444-6130</u>		Project Name#: <u>UTS</u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Bill To: <u>same</u>		Project Comments: <u>126 potted gal</u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
TAT ☒ Normal-Standard TAT is 10-12 business days.		ALS Field Services: ☐ Pickup ☐ Labor		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Date Required: ☐ Rush-Subject to ALS approval and surcharges.		☐ Composite Sampling ☐ Residual Equipment		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Email? ☐ -Y ☐ -N		Other: <u>W/O Temp: 0°C Therm ID: 401</u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Fax? ☐ -Y ☐ -N		Purchase Order #: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
Sample Description/Location (as it will appear on the lab report)		Project Comments: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
1 <u>MU-1</u>		Enter Number of Containers Per Sample or Field Results Below.		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
2 <u>MU-2</u>		Matrix: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
3 <u>MU-3</u>		G or C: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
4 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
5 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
6 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
7 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
8 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
9 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
10 <u> </u>		Time: <u> </u>		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
SAMPLER BY (Please Print): <u>John Van Dyke</u>		Special Processing: ☐ USACE ☐ Navy ☐ PA ☐ NC ☐ other		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
1 <u>John Van Dyke</u>		Special Processing: ☐ USACE ☐ Navy ☐ PA ☐ NC ☐ other		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
3 <u>Chase Courier</u>		Special Processing: ☐ USACE ☐ Navy ☐ PA ☐ NC ☐ other		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
5 <u>COMMON COURIER (ALS COURIER)</u>		Special Processing: ☐ USACE ☐ Navy ☐ PA ☐ NC ☐ other		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
7 <u> </u>		Special Processing: ☐ USACE ☐ Navy ☐ PA ☐ NC ☐ other		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	
9 <u> </u>		Special Processing: ☐ USACE ☐ Navy ☐ PA ☐ NC ☐ other		Date: <u>5/14/19</u>		Time: <u>10:12</u>		Company Name: <u>Chase Courier</u>		Date: <u>5/19</u>		Time: <u>10:12</u>		State: <u>PA</u>	

* G=Grab; C=Composite

**Matrix: A=Air; D=Drinking Water; GW=Groundwater; O=Oil; CL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Middletown, PA 17057

Rev 11/18

May 28, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name:	UST Testing	Workorder:	3035503
Purchase Order:		Workorder ID:	UST Testing

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, May 22, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3035503 UST Testing

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3035503001	MW-2	Ground Water	5/21/2019 12:00	5/22/2019 20:29	Collected by Client
3035503002	MW-3	Ground Water	5/21/2019 12:30	5/22/2019 20:29	Collected by Client

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SAMPLE SUMMARY

Workorder: 3035503 UST Testing

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3035503 UST Testing

Lab ID: 3035503001

Date Collected: 5/21/2019 12:00

Matrix: Ground Water

Sample ID: MW-2

Date Received: 5/22/2019 20:29

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/25/19 07:43	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/25/19 07:43	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 07:43	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	116		%	62 - 133	SW846 8260B			5/25/19 07:43	DD	A
4-Bromofluorobenzene (S)	103		%	79 - 114	SW846 8260B			5/25/19 07:43	DD	A
Dibromofluoromethane (S)	102		%	78 - 116	SW846 8260B			5/25/19 07:43	DD	A
Toluene-d8 (S)	87.1		%	76 - 127	SW846 8260B			5/25/19 07:43	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3035503 UST Testing

Lab ID: 3035503002

Date Collected: 5/21/2019 12:30

Matrix: Ground Water

Sample ID: MW-3

Date Received: 5/22/2019 20:29

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
Methyl t-Butyl Ether	10.9	1	ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
Naphthalene	ND		ug/L	2.0	SW846 8260B			5/25/19 08:06	DD	A
Toluene	ND		ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/25/19 08:06	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			5/25/19 08:06	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	115		%	62 - 133	SW846 8260B			5/25/19 08:06	DD	A
4-Bromofluorobenzene (S)	105		%	79 - 114	SW846 8260B			5/25/19 08:06	DD	A
Dibromofluoromethane (S)	101		%	78 - 116	SW846 8260B			5/25/19 08:06	DD	A
Toluene-d8 (S)	85.9		%	76 - 127	SW846 8260B			5/25/19 08:06	DD	A



Jessica Lee Smith
Project Coordinator

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ALS Environmental



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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3035503 UST Testing

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3035503002	1	MW-3	SW846 8260B	Methyl t-Butyl Ether

The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Methyl t-Butyl Ether. The % Recovery was reported as 118 and the control limits were 69 to 115.

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3035503 UST Testing

Lab ID	Sample ID	Analysis Method	Prep Method
3035503001	MW-2	SW846 8260B	
3035503002	MW-3	SW846 8260B	

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

July 11, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: **UST Testing**

Workorder: **3044277**

Purchase Order:

Workorder ID: **Anger**

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 9, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Jessica Lee Smith
Project Coordinator

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Report ID: 3044277 - 7/11/2019

SAMPLE SUMMARY

Workorder: 3044277 Anger

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3044277001	SW	Drinking Water	7/8/2019 16:00	7/9/2019 21:05	Mr. John VanWagenen
3044277002	Trip Blank	Drinking Water	7/9/2019 21:05	7/9/2019 21:05	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3044277 Anger

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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**ALS Environmental**301 Filling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.comNELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343**ANALYTICAL RESULTS**

Workorder: 3044277 Anger

Lab ID: 3044277001

Date Collected: 7/8/2019 16:00

Matrix: Drinking Water

Sample ID: SW

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Methyl t-Butyl Ether	4.3		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	90.1		%	70 - 130	EPA 524.2			7/10/19 17:50	DD	A
4-Bromofluorobenzene (S)	87.7		%	70 - 130	EPA 524.2			7/10/19 17:50	DD	A

Jessica Lee Smith

Project Coordinator

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Report ID: 3044277 - 7/11/2019

ANALYTICAL RESULTS

Workorder: 3044277 Anger

Lab ID: 3044277002

Date Collected: 7/9/2019 21:05

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	85.2		%	70 - 130	EPA 524.2			7/10/19 18:15	DD	A
4-Bromofluorobenzene (S)	85.9		%	70 - 130	EPA 524.2			7/10/19 18:15	DD	A



Jessica Lee Smith
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3044277 Anger

Lab ID	Sample ID	Analysis Method	Prep Method
3044277001	SW	EPA 524.2	
3044277002	Trip Blank	EPA 524.2	

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July 11, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: **UST Testing**Workorder: **3044276**

Purchase Order:

Workorder ID: **UTS**

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 9, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 3044276 UTS

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3044276001	SW	Drinking Water	7/8/2019 15:30	7/9/2019 21:05	Mr. John VanWagenen
3044276002	Trip Blank	Drinking Water	7/9/2019 21:05	7/9/2019 21:05	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3044276 UTS

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3044276 UTS

Lab ID: 3044276001

Date Collected: 7/8/2019 15:30

Matrix: Drinking Water

Sample ID: SW

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	87.4		%	70 - 130	EPA 524.2			7/10/19 17:02	DD	A
4-Bromofluorobenzene (S)	88.8		%	70 - 130	EPA 524.2			7/10/19 17:02	DD	A



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ANALYTICAL RESULTS

Workorder: 3044276 UTS

Lab ID: 3044276002

Date Collected: 7/9/2019 21:05

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	88.5		%	70 - 130	EPA 524.2			7/10/19 17:26	DD	A
4-Bromofluorobenzene (S)	88.6		%	70 - 130	EPA 524.2			7/10/19 17:26	DD	A



Jessica Lee Smith

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3044276 UTS

Lab ID	Sample ID	Analysis Method	Prep Method
3044276001	SW	EPA 524.2	
3044276002	Trip Blank	EPA 524.2	

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Environmetal

Co. Name: Canary Env. Assoc.
Contact (Report to): John Can Wagner Phone: 610-409-6500
Address: 80 Box 1224
St. Peters, PA 19470

Bill to (if different than Report to):

PO#:

Project Name/ID:

ALS Quote #:

TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.

Email? ☐ Y ☐ N
Fax? ☐ Y ☐ N

Sample Description/Location
(see it will appear on the lab report)

COC Comments

Sample Date

Military Time

1 SW 7/8/19 15:30 6:00 32

Enter Number of Containers Per Analysis

ANALYSES/METHOD REQUESTED

Container Type 6145
Container Size 1000
Preservative None

Cooler Temp: 3

Therm. ID: 318

No. of Coolers:

Notes:

Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatility?	Y	N
COCLabels complete/accurate?	Y	N
Received on ice?	Y	N
(If present) Seals intact?	Y	N
Custody seals Present?	Y	N
Container in good condition?	Y	N

Circle appropriate Y or N.

SAMPLED BY (Please Print):

John Can Wagner

Relinquished By / Company Name

Date

Time

Received By / Company Name

Date

Time

1 John Can Wagner 7-9-19 15:10 Barberly McManis 7-9-19 15:10
3 Barberly McManis 7-9-19 17:30 Chris Barber 7-9-19 17:30
5 Chris Barber 7-9-19 17:30 COMMON COURIER (ALS COURIER) 7-9-19 21:05
7 COMMON COURIER (ALS COURIER)
9

Project Comments:

Data Deliverables
☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other
If yes, format type: none

SWR
Form/No

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

SWR
Collected by?

yes ☐ no ☐

DOO Criteria Required?

DOO Criteria Required?

DOO Criteria Required?

DOO Criteria Required?

DOO Criteria Required?

DOO Criteria Required?

DOO Criteria Required?

* G-Grab; C-Composite

Caution: WHITE - ORIGINAL CANARY - CUSTOMER COPY

**Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipes; WW=Wastewater

***Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic. Container Size: 250ml, 500ml, 1L, 5gal., etc. Preservatives: HCl, HNO3, NaOH, etc.

Rev 01-2013