pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0101907**
Facility Type	**Non-Municipal**	APS ID	**1054015**
Major / Minor	**Minor**	Authorization ID	**1380384**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**Aqua PA, Inc.**	Facility Name	**Mariasville STP**
Applicant Address	665 South Dock Street	Facility Address	State Route 38/208 and Buttertown Road
	Sharon, PA 16146		Emlenton, PA 16373
Applicant Contact	Zach Martin, Western Area Manager zfmartin@aquaamerica.com	Facility Contact	Kevin O'Neil, STP Operator keoneil@aquaamerica.com
Applicant Phone	(724) 981-1200	Facility Phone	(814) 319-8133
Client ID	309251	Site ID	262989
Ch 94 Load Status	Not Overloaded	Municipality	Salem Township
Connection Status	No Limitations	County	Clarion County
Date Application Received	December 27, 2021	EPA Waived?	Yes
Date Application Accepted	January 3, 2022	If No, Reason	-

Purpose of Application: Renewal of an NPDES Permit for an existing discharge of treated sanitary wastewater from an STP.

Summary of Review

Act 14 - Proof of Notification was submitted and received.

A Part II Water Quality Management permit is not required at this time.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

A. Stormwater into Sewers
B. Right of Way
C. Solids Handling
D. Effluent Chlorine Optimization and Minimization

SPECIAL CONDITIONS:

II. Solids Management

There are 27 open violations in efacts associated with the subject Client ID (309251) as of 12/7/2022 (see Attachment 4).

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	12/7/2022 AJP 12/12/2022
X		 *Vacant* / Environmental Engineer Manager	Okay to Draft JCD 12/15/2022

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.008
Latitude	41º 12' 12.97"	Longitude	-79º 39' 45.01"
Quad Name	-	Quad Code	-
Wastewater Description:	Sewage Effluent		
Receiving Waters	Richey Run (CWF)	Stream Code	51144
NHD Com ID	100479585	RMI	3.9
Drainage Area	1.98	Yield (cfs/mi^2)	0.07
Q_{7-10} Flow (cfs)	0.1386	Q_{7-10} Basis	calculated
Elevation (ft)	1273	Slope (ft/ft)	0.000236
Watershed No.	16-G	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired*		
Cause(s) of Impairment	Cause Unknown		
Source(s) of Impairment	Abandoned Mine Drainage (AMD)		
TMDL Status	-	Name	-

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Parker Area Water Authority		
PWS Waters	Allegheny River	Flow at Intake (cfs)	951
PWS RMI	85.0	Distance from Outfall (mi)	11.0

* - This discharge consists of treated non-municipal sewage only and does not contribute to the impairment of the receiving stream. However, since the stream is impaired for AMD metals, per the SOP, monitoring for Total Aluminum, Total Iron, and Total Manganese will be retained with this renewal.

Sludge use and disposal description and location(s): All sludge is disposed of at the Aqua PA - Emlenton WWTP, which disposes waste sludge to an approved landfill.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the Pennsylvania Bulletin in accordance with 25 Pa. Code § 92a.82. Upon publication in the Pennsylvania Bulletin, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the Pennsylvania Bulletin at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Narrative: This Fact Sheet details the determination of draft NPDES permit limits for an existing discharge of 0.008 MGD of treated sewage from an existing municipal STP in Salem Township, Clarion County.

Treatment permitted under Water Quality Management Permit No. 6183404 consists of the following: 4,670 feet of 1.5 inch PVC pressure sewers, a 10,000 gallon septic tank in series with a 5,000 gallon septic tank, a 3,300 gallon dosing tank, two 2,640 square foot (66' x 40') intermittent surface sand filters, tablet chlorine disinfection with a 4,040 gallon contact tank, and tablet dechlorination with a 1,500 gallon contact tank.

(Due to the nature of the treatment units, the NPDES Solids Management Special Condition was replaced with the SFTF Solids Management Special Condition, since septic tanks are used and there is no active sludge wasting being performed.)

1. Streamflow:

Richey Run at Outfall 001:

Yieldrate:	0.07	cfsm	from previous fact sheet
Drainage Area:	1.98	sq. mi.	from USGS StreamStats
% of stream allocated:	100%	Basis:	No nearby discharges
Q_{7-10}:	0.138	cfs	calculated

2. Wasteflow:

Maximum discharge: 0.008 MGD = 0.012 cfs

Runoff flow period: 16 hours Basis: Runoff flow for this facility

24 hour flow: 0.008 MGD x 24/16 = 0.012 = 0.018 cfs

The calculated stream flow (Q7-10) is greater than 3 times the permitted discharge flow. In accordance with the SOP, the treatment requirements in document number 391-2000-014, titled, "Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers", dated April 12, 2008, do not need to be evaluated for this facility.

Flow will be required to be monitored as authorized under Chapter 92a.61, and as recommended in the SOP.

3. Parameters:

The following parameters were evaluated: pH, Total Suspended Solids, Fecal Coliform, E. Coli, Total Phosphorus, Total Nitrogen, NH_3-N, $CBOD_5$, Dissolved Oxygen, and Total Residual Chlorine.

a. pH

Between 6.0 and 9.0 at all times

Basis: Application of Chapter 93.7 technology-based limits.

The measurement frequency will remain as 1/day as recommended in the SOP, based on Table 6-3 in the "Technical Guidance for the Development and Specification of Effluent Limitations" (362-0400-001).

b. Total Suspended Solids

Limits are 30.0 mg/l as a monthly average and 60.0 as an instantaneous maximum.

Basis: Application of Chapter 92a47 technology-based limits.

c. Fecal Coliform

05/01 - 09/30:	200/100ml	(monthly average geometric mean)
	1,000/100ml	(instantaneous maximum)
10/01 - 04/30:	2,000/100ml	(monthly average geometric mean)
	10,000/100ml	(instantaneous maximum)

Basis: Application of Chapter 92a47 technology-based limits

d. E. Coli

Monitoring was added for E. Coli at a frequency of 1/year.

Basis: Application of Chapter 92a.61 as recommended by the SOP for flows greater than 0.002 MGD but less than 0.05 MGD.

e. Phosphorus

Chapter 96.5 does not apply. However, the previous monitoring for Total Phosphorus will be retained in accordance with the SOP, based on Chapter 92a.61.

f. Total Nitrogen

The previous monitoring for Total Nitrogen will be retained in accordance with the SOP, based on Chapter 92a.61.

g. Ammonia-Nitrogen (NH_3-N)

Median discharge pH to be used:	6.9	Standard Units (S.U.)
		Basis: eDMR data from previous 12 months
Discharge temperature:	25°C	(default value used in the absence of data)
Median stream pH to be used:	7.0	Standard Units (S.U.)
		Basis: default value used in the absence of data
Stream Temperature:	20˚C	(default value used for CWF modeling)
Background NH_3-N concentration:	0.1	mg/l
		Basis: Default value
Calculated NH_3-N Summer limits:	20.5	mg/l (monthly average)
	41.0	mg/l (instantaneous maximum)
Calculated NH_3-N Winter limits:	25.0	mg/l (monthly average)
	50.0	mg/l (instantaneous maximum)

Result: WQ modeling resulted in the summer limits above (see Attachment 1). The calculated limits are less restrictive than in the previous permit, so the previous limits will be retained. The winter limits are calculated as three times the summer limits, but since the technology-based limits are more protective, they will be used. Per the SOP, monitoring for winter NH3-N will be retained with this renewal.

h. $CBOD_5$

Median discharge pH to be used: 6.9 Standard Units (S.U.)

Basis: eDMR data from previous 12 months

Discharge temperature: 25°C (default value used in the absence of data)

Median stream pH to be used: 7.0 Standard Units (S.U.)

Basis: default value used in the absence of data

Stream Temperature: 20˚C (default value used for CWF modeling)

Background $CBOD_5$ concentration: 2.0 mg/l

Basis: Default value

Calculated $CBOD_5$ limits: 25.0 mg/l (monthly average)
50.0 mg/l (instantaneous maximum)

Result: WQ modeling resulted in the calculated limits above (see Attachment 1). The limits are the same as in the previous permit and will be retained.

i. Influent Total Suspended Solids and BOD_5

Monitoring for these two parameters will be retained as recommended in the SOP for POTWs, as authorized under Chapter 92a.61.

The previous monitoring frequency for Influent BOD5 and TSS was set as less than the effluent sampling. The previous frequency will be retained since this STP is a septic tank/sand filter system and the influent can be characterized adequately using a monitoring frequency less than that for the effluent.

j. Dissolved Oxygen (DO)

The Dissolved Oxygen minimum of 4.0 mg/l will be retained with this renewal. The technology-based minimum is recommended by the WQ Model (see Attachment 2) and the SOP based on Chapter 93.7, under the authority of Chapter 92a.61.

The measurement frequency was previously set to 1/day as recommended in the SOP, based on Table 6-3 in the "Technical Guidance for the Development and Specification of Effluent Limitations" (362-0400-001), and will be retained.

k. Total Residual Chlorine (TRC)

☐ Ultraviolet (UV) light monitoring

☒ TRC limits: 0.5 mg/l (monthly average)
1.6 mg/l (instantaneous maximum)

Basis: The TRC limits above were calculated using the Department's TRC Calculation Spreadsheet (see Attachment 2). The limits are the same as in the previous NPDES Permit and will be retained.

The measurement frequency will remain as 1/day as recommended in the SOP, based on Table 6-3 in the "Technical Guidance for the Development and Specification of Effluent Limitations" (362-0400-001).

4. Reasonable Potential Analysis for Receiving Stream:

A Reasonable Potential Analysis was performed in accordance with State practices for Outfall 001 using the Department's Toxics Management Spreadsheet (see Attachment 3). The parameters modeled were Aluminum, Iron, and Manganese due to the receiving stream being impaired by AMD.

Result: No reasonable potential was calculated for Total Aluminum, Total Iron, or Total Manganese. However, the previous monitoring for those parameters will be retained.

5. Reasonable Potential for Downstream Public Water Supply (PWS):

The Department's Toxics Management Spreadsheet does not calculate limits for parameters that are based on PWS criteria (TDS, Chloride, Bromide, and Sulfate). Since no relevant sampling was provided, mass-balance calculations were not performed.

Nearest Downstream potable water supply (PWS): Parker Area Water Authority
Distance downstream from the point of discharge: 11.0 miles (approximate)

Result: No limits or monitoring is necessary as there is significant dilution available.

6. Anti-Backsliding:

Since all the permit limits in this renewal are the same or more restrictive than the previous NPDES Permit, anti-backsliding is not applicable.

7. Attachment List:

Attachment 1 - WQ Modeling Printouts

Attachment 2 - TRC_Calc Spreadsheet

Attachment 3 - Toxics Management Spreadsheet

Attachment 4 - Open Violations in Efacts

(The Attachments above can be found at the end of this document)

Compliance History

DMR Data for Outfall 001 (from November 1, 2021 to October 31, 2022)

Parameter	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21
Flow (MGD) Average Monthly	0.0023	0.0025	0.003	0.002	0.003	0.004	0.004	0.004	0.006	0.003	0.003	0.002
Flow (MGD) Daily Maximum	0.0035	0.0036	0.003	0.003	0.004	0.006	0.005	0.006	0.008	0.003	0.004	0.002
pH (S.U.) Minimum	6.46	6.46	6.5	6.58	6.56	6.68	6.7	6.76	6.76	7.10	7.01	7.15
pH (S.U.) Maximum	7.02	6.99	6.99	7.07	7.08	7.29	7.32	7.27	7.47	7.39	7.85	7.54
DO (mg/L) Minimum	5.65	9.61	9.18	6.18	7.58	7.39	6.87	6.81	5.07	5.25	5.78	5.19
TRC (mg/L) Average Monthly	0.10	0.10	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.01	0.10	0.1
TRC (mg/L) Instantaneous Maximum	0.96	1.16	0.23	0.59	0.24	1.06	1.01	0.55	0.74	1.22	1.19	0.78
CBOD5 (lbs/day) Average Monthly	< 0.06	0.3	0.20	< 0.06	< 0.09	< 0.10	0.09	< 0.1	0.60	0.05	0.06	< 0.07
CBOD5 (mg/L) Average Monthly	< 2.8	14.6	7.4	< 3.3	< 3.5	< 2.6	< 2.1	< 2.1	< 9.7	< 2.1	< 2.3	< 3.9
BOD5 (lbs/day) Influent Average Monthly	3	22	6	7	8	7	6	17	6	2	2	2
BOD5 (lbs/day) Influent Weekly Average	3	22	6	7	8	7	6	17	6	2	2	2
BOD5 (mg/L) Influent Average Monthly	158	729	239	299	330	131	110	660	86	70	75	124
TSS (lbs/day) Average Monthly	0.08	0.07	0.08	0.07	0.09	< 0.10	< 0.10	0.10	0.20	0.10	0.08	0.1
TSS (lbs/day) Influent Average Monthly	3	50	1	2	4	4	2	59	5	1	2	3
TSS (lbs/day) Influent Weekly Average	3	50	1	2	4	4	2	59	5	1	2	3
TSS (mg/L) Average Monthly	4.0	3.0	3.0	3.0	4.0	< 3.0	< 3.0	< 3.0	4.0	4.0	3.5	7.8
TSS (mg/L) Influent Average Monthly	164	1660	40	72	172	84	32	2340	68	40	60	172
Fecal Coliform (CFU/100 ml) Geometric Mean	< 1.0	< 1	< 1.0	< 1	< 1	< 1.0	< 1	< 1.0	< 1	< 1	< 1	< 1

Fecal Coliform (CFU/100 ml) Instantaneous Maximum	< 1	1	< 1.0	< 1	1	< 1	< 1	1	< 1	< 1	< 1	< 1
Total Nitrogen (mg/L) Average Quarterly		< 0.5			0.50			18.91			< 26.49	
Ammonia (lbs/day) Average Monthly	0.002	0.004	0.003	< 0.002	< 0.003	< 0.005	< 0.005	0.09	0.5	0.09	0.008	< 0.002
Ammonia (mg/L) Average Monthly	< 0.10	0.16	< 0.10	0.10	< 0.10	< 0.10	< 0.10	1.837	8.506	3.50	0.3	< 0.1
Total Phosphorus (mg/L) Average Quarterly		3.8			2.17			2.03			2.56	
Total Aluminum (mg/L) Annual Average											< 0.10	
Total Iron (mg/L) Annual Average											1.6	
Total Manganese (mg/L) Annual Average											0.159	

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/day	Grab
DO	XXX	XXX	4.0 Daily Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/day	Grab
CBOD5	1.7	XXX	XXX	25.0	XXX	50	2/month	8-Hr Composite
BOD5 Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	1/month	Grab
TSS	2.0	XXX	XXX	30.0	XXX	60	2/month	8-Hr Composite
TSS Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	8-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	Report	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	1.3	XXX	XXX	19.5	XXX	39	2/month	8-Hr Composite

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Maximum	Instant. Maximum		
Total Phosphorus	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	8-Hr Composite
Total Aluminum	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab
Total Manganese	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: at Outfall 001, after disinfection.

Flow is monitor only based on Chapter 92a.61. The limits for pH and Dissolved Oxygen are technology-based on Chapter 93.7. The Total Residual Chlorine (TRC) limits are technology-based on Chapter 92a.48. The limits for $CBOD_5$, Total Suspended Solids (TSS), and Fecal Coliforms are technology-based on Chapter 92a.47. The limits for Ammonia-Nitrogen are water quality-based on Chapter 93.7. Monitoring for E. Coli, Total Nitrogen, Total Phosphorus, Aluminum, Iron, and Manganese is based on Chapter 92a.61.

Attachment 1

WQM 7.0 Effluent Limits

SWP Basin	Stream Code	Stream Name
16G	51144	RICHEY RUN

RMI	Name	Permit Number	Disc Flow (mgd)	Parameter	Effl. Limit 30-day Ave. (mg/L)	Effl. Limit Maximum (mg/L)	Effl. Limit Minimum (mg/L)
3.900	Mariasville STP	PA0101907	0.012	CBOD5	25		
				NH3-N	20.52	41.04	
				Dissolved Oxygen			4

WQM 7.0 D.O.Simulation

SWP Basin	Stream Code	Stream Name
16G	51144	RICHEY RUN

RMI	Total Discharge Flow (mgd)	Analysis Temperature (°C)	Analysis pH
3.900	0.012	20.591	6.987
Reach Width (ft)	**Reach Depth (ft)**	**Reach WDRatio**	**Reach Velocity (fps)**
7.470	0.423	17.677	0.050
Reach CBOD5 (mg/L)	**Reach Kc (1/days)**	**Reach NH3-N (mg/L)**	**Reach Kn (1/days)**
4.72	0.283	2.42	0.733
Reach DO (mg/L)	**Reach Kr (1/days)**	**Kr Equation**	**Reach DO Goal (mg/L)**
7.742	14.512	Owens	6
Reach Travel Time (days)			
2.946			

Subreach Results

TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
0.295	4.33	1.95	8.15
0.589	3.97	1.57	8.15
0.884	3.65	1.27	8.15
1.178	3.35	1.02	8.15
1.473	3.07	0.82	8.15
1.767	2.82	0.66	8.15
2.062	2.59	0.54	8.15
2.356	2.37	0.43	8.15
2.651	2.18	0.35	8.15
2.946	2.00	0.28	8.15

WQM 7.0 Modeling Specifications

Parameters	Both	Use Inputted Q1-10 and Q30-10 Flows	☑
WLA Method	EMPR	Use Inputted W/D Ratio	☐
Q1-10/Q7-10 Ratio	0.64	Use Inputted Reach Travel Times	☐
Q30-10/Q7-10 Ratio	1.36	Temperature Adjust Kr	☑
D.O. Saturation	90.00%	Use Balanced Technology	☑
D.O. Goal	6		

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
16G	51144	RICHEY RUN	**3.900**	1273.00	1.98	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.070	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
Mariasville STP	PA0101907	0.0120	0.0000	0.0000	0.000	25.00	6.90

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	4.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
16G	51144	RICHEY RUN	**1.500**	1270.00	4.77	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.070	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
		0.0000	0.0000	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

WQM 7.0 Wasteload Allocations

SWP Basin	Stream Code	Stream Name
16G	51144	RICHEY RUN

NH3-N Acute Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
3.900	Mariasville STP	15.86	50	15.86	50	0	0

NH3-N Chronic Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
3.900	Mariasville STP	1.84	20.52	1.84	20.52	0	0

Dissolved Oxygen Allocations

RMI	Discharge Name	CBOD5		NH3-N		Dissolved Oxygen		Critical Reach	Percent Reduction
		Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)		
3.90	Mariasville STP	25	25	20.52	20.52	4	4	0	0

WQM 7.0 Hydrodynamic Outputs

SWP Basin	Stream Code	Stream Name
16G	51144	RICHEY RUN

RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Reach Trav Time (days)	Analysis Temp (°C)	Analysis pH
Q7-10 Flow												
3.900	0.14	0.00	0.14	.0186	0.00024	.423	7.47	17.68	0.05	2.946	20.59	6.99
Q1-10 Flow												
3.900	0.09	0.00	0.09	.0186	0.00024	NA	NA	NA	0.04	3.648	20.87	6.98
Q30-10 Flow												
3.900	0.19	0.00	0.19	.0186	0.00024	NA	NA	NA	0.06	2.524	20.45	6.99

Attachment 2

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.138	= Q stream (cfs)	0.5	= CV Daily
0.012	= Q discharge (MGD)	0.5	= CV Hourly
30	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
0	= % Factor of Safety (FOS)	0	=Decay Coefficient (K)

Source	Reference	AFC Calculations	Reference	CFC Calculations
TRC	1.3.2.iii	WLA afc = 2.390	1.3.2.iii	WLA cfc = 2.323
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 0.891	5.1d	LTA_cfc = 1.350

Source		Effluent Limit Calculations	
PENTOXSD TRG	5.1f	AML MULT = 1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) = 1.635	

WLA afc	**(.019/e(-k*AFC_tc)) + [(AFC_Yc*Qs*.019/Qd*e(-k*AFC_tc))...** **...+ Xd + (AFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)**
LTAMULT afc	EXP((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)
LTA_afc	wla_afc*LTAMULT_afc
WLA_cfc	**(.011/e(-k*CFC_tc) + [(CFC_Yc*Qs*.011/Qd*e(-k*CFC_tc))...** **...+ Xd + (CFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)**
LTAMULT_cfc	EXP((0.5*LN(cvd^2/no_samples+1))-2.326*LN(cvd^2/no_samples+1)^0.5)
LTA_cfc	wla_cfc*LTAMULT_cfc
AML MULT	EXP(2.326*LN((cvd^2/no_samples+1)^0.5)-0.5*LN(cvd^2/no_samples+1))
AVG MON LIMIT	MIN(BAT_BPJ,MIN(LTA_afc,LTA_cfc)*AML_MULT)
INST MAX LIMIT	**1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)**

Attachment 3

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Toxics Management Spreadsheet
Version 1.3, March 2021

Discharge Information

Instructions | Discharge | Stream

Facility: **Mariasville STP** NPDES Permit No.: **PA0101907** Outfall No.: **001**

Evaluation Type: **Major Sewage / Industrial Waste** Wastewater Description: **Non-municipal Sewage**

Discharge Characteristics								
Design Flow (MGD)*	Hardness (mg/l)*	pH (SU)*	Partial Mix Factors (PMFs)				Complete Mix Times (min)	
			AFC	CFC	THH	CRL	Q_{7-10}	Q_h
0.012	100	6.9						

					0 if left blank		*0.5 if left blank*		*0 if left blank*			*1 if left blank*	
	Discharge Pollutant	Units	Max Discharge Conc		Trib Conc	Stream Conc	Daily CV	Hourly CV	Stream CV	Fate Coeff	FOS	Criteria Mod	Chem Transl
Group 1	Total Dissolved Solids (PWS)	mg/L											
	Chloride (PWS)	mg/L											
	Bromide	mg/L											
	Sulfate (PWS)	mg/L											
	Fluoride (PWS)	mg/L											
Group 2	Total Aluminum	mg/L		0.1									
	Total Antimony	µg/L											
	Total Arsenic	µg/L											
	Total Barium	µg/L											
	Total Beryllium	µg/L											
	Total Boron	µg/L											
	Total Cadmium	µg/L											
	Total Chromium (III)	µg/L											
	Hexavalent Chromium	µg/L											
	Total Cobalt	µg/L											
	Total Copper	µg/L											
	Free Cyanide	µg/L											
	Total Cyanide	µg/L											
	Dissolved Iron	µg/L											
	Total Iron	mg/L		1.6									
	Total Lead	µg/L											
	Total Manganese	mg/L		0.159									
	Total Mercury	µg/L											
	Total Nickel	µg/L											
	Total Phenols (Phenolics) (PWS)	µg/L											
	Total Selenium	µg/L											
	Total Silver	µg/L											
	Total Thallium	µg/L											
	Total Zinc	µg/L											
	Total Molybdenum	µg/L											
	Acrolein	µg/L	<										
	Acrylamide	µg/L	<										
	Acrylonitrile	µg/L	<										
	Benzene	µg/L	<										
	Bromoform	µg/L	<										

Group 3	Carbon Tetrachloride	µg/L	<										
	Chlorobenzene	µg/L											
	Chlorodibromomethane	µg/L	<										
	Chloroethane	µg/L	<										
	2-Chloroethyl Vinyl Ether	µg/L	<										
	Chloroform	µg/L	<										
	Dichlorobromomethane	µg/L	<										
	1,1-Dichloroethane	µg/L	<										
	1,2-Dichloroethane	µg/L	<										
	1,1-Dichloroethylene	µg/L	<										
	1,2-Dichloropropane	µg/L	<										
	1,3-Dichloropropylene	µg/L	<										
	1,4-Dioxane	µg/L	<										
	Ethylbenzene	µg/L	<										
	Methyl Bromide	µg/L	<										
	Methyl Chloride	µg/L	<										
	Methylene Chloride	µg/L	<										
	1,1,2,2-Tetrachloroethane	µg/L	<										
	Tetrachloroethylene	µg/L	<										
	Toluene	µg/L	<										
	1,2-trans-Dichloroethylene	µg/L	<										
	1,1,1-Trichloroethane	µg/L	<										
	1,1,2-Trichloroethane	µg/L	<										
	Trichloroethylene	µg/L	<										
	Vinyl Chloride	µg/L	<										
Group 4	2-Chlorophenol	µg/L	<										
	2,4-Dichlorophenol	µg/L	<										
	2,4-Dimethylphenol	µg/L	<										
	4,6-Dinitro-o-Cresol	µg/L	<										
	2,4-Dinitrophenol	µg/L	<										
	2-Nitrophenol	µg/L	<										
	4-Nitrophenol	µg/L	<										
	p-Chloro-m-Cresol	µg/L	<										
	Pentachlorophenol	µg/L	<										
	Phenol	µg/L	<										
	2,4,6-Trichlorophenol	µg/L	<										
Group 5	Acenaphthene	µg/L	<										
	Acenaphthylene	µg/L	<										
	Anthracene	µg/L	<										
	Benzidine	µg/L	<										
	Benzo(a)Anthracene	µg/L	<										
	Benzo(a)Pyrene	µg/L	<										
	3,4-Benzofluoranthene	µg/L	<										
	Benzo(ghi)Perylene	µg/L	<										
	Benzo(k)Fluoranthene	µg/L	<										
	Bis(2-Chloroethoxy)Methane	µg/L	<										
	Bis(2-Chloroethyl)Ether	µg/L	<										
	Bis(2-Chloroisopropyl)Ether	µg/L	<										
	Bis(2-Ethylhexyl)Phthalate	µg/L	<										
	4-Bromophenyl Phenyl Ether	µg/L	<										
	Butyl Benzyl Phthalate	µg/L	<										
	2-Chloronaphthalene	µg/L	<										
	4-Chlorophenyl Phenyl Ether	µg/L	<										
	Chrysene	µg/L	<										
	Dibenzo(a,h)Anthrancene	µg/L	<										
	1,2-Dichlorobenzene	µg/L	<										
	1,3-Dichlorobenzene	µg/L	<										
	1,4-Dichlorobenzene	µg/L	<										
	3,3-Dichlorobenzidine	µg/L	<										
	Diethyl Phthalate	µg/L	<										
	Dimethyl Phthalate	µg/L	<										
	Di-n-Butyl Phthalate	µg/L	<										
	2,4-Dinitrotoluene	µg/L	<										

	2,6-Dinitrotoluene	µg/L	<										
	Di-n-Octyl Phthalate	µg/L	<										
	1,2-Diphenylhydrazine	µg/L	<										
	Fluoranthene	µg/L	<										
	Fluorene	µg/L	<										
	Hexachlorobenzene	µg/L	<										
	Hexachlorobutadiene	µg/L	<										
	Hexachlorocyclopentadiene	µg/L	<										
	Hexachloroethane	µg/L	<										
	Indeno(1,2,3-cd)Pyrene	µg/L	<										
	Isophorone	µg/L	<										
	Naphthalene	µg/L	<										
	Nitrobenzene	µg/L	<										
	n-Nitrosodimethylamine	µg/L	<										
	n-Nitrosodi-n-Propylamine	µg/L	<										
	n-Nitrosodiphenylamine	µg/L	<										
	Phenanthrene	µg/L	<										
	Pyrene	µg/L	<										
	1,2,4-Trichlorobenzene	µg/L	<										
Group 6	Aldrin	µg/L	<										
	alpha-BHC	µg/L	<										
	beta-BHC	µg/L	<										
	gamma-BHC	µg/L	<										
	delta BHC	µg/L	<										
	Chlordane	µg/L	<										
	4,4-DDT	µg/L	<										
	4,4-DDE	µg/L	<										
	4,4-DDD	µg/L	<										
	Dieldrin	µg/L	<										
	alpha-Endosulfan	µg/L	<										
	beta-Endosulfan	µg/L	<										
	Endosulfan Sulfate	µg/L	<										
	Endrin	µg/L	<										
	Endrin Aldehyde	µg/L	<										
	Heptachlor	µg/L	<										
	Heptachlor Epoxide	µg/L	<										
	PCB-1016	µg/L	<										
	PCB-1221	µg/L	<										
	PCB-1232	µg/L	<										
	PCB-1242	µg/L	<										
	PCB-1248	µg/L	<										
	PCB-1254	µg/L	<										
	PCB-1260	µg/L	<										
	PCBs, Total	µg/L	<										
	Toxaphene	µg/L	<										
	2,3,7,8-TCDD	ng/L	<										
Group 7	Gross Alpha	pCi/L											
	Total Beta	pCi/L	<										
	Radium 226/228	pCi/L	<										
	Total Strontium	µg/L	<										
	Total Uranium	µg/L	<										
	Osmotic Pressure	mOs/kg											

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Toxics Management Spreadsheet
Version 1.3, March 2021

Stream / Surface Water Information

Mariasville STP, NPDES Permit No. PA0101907, Outfall 001

Instructions | Discharge | *Stream*

Receiving Surface Water Name: **Richey Run**

No. Reaches to Model: **1**

- (●) Statewide Criteria
- ( ) Great Lakes Criteria
- ( ) ORSANCO Criteria

Location	Stream Code*	RMI*	Elevation (ft)*	DA (mi^2)*	Slope (ft/ft)	PWS Withdrawal (MGD)	Apply Fish Criteria*
Point of Discharge	051144	3.9	1273	1.98			Yes
End of Reach 1	051144	1.5	1270	4.77			Yes

$Q_{7\text{-}10}$

Location	RMI	LFY (cfs/mi^2)*	Flow (cfs)		W/D Ratio	Width (ft)	Depth (ft)	Velocity (fps)	Travel Time (days)	Tributary		Stream		Analysis	
			Stream	Tributary						Hardness	pH	Hardness*	pH*	Hardness	pH
Point of Discharge	3.9	0.07										100	7		
End of Reach 1	1.5	0.07													

Q_h

Location	RMI	LFY (cfs/mi^2)	Flow (cfs)		W/D Ratio	Width (ft)	Depth (ft)	Velocity (fps)	Travel Time (days)	Tributary		Stream		Analysis	
			Stream	Tributary						Hardness	pH	Hardness	pH	Hardness	pH
Point of Discharge	3.9														
End of Reach 1	1.5														

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Toxics Management Spreadsheet
Version 1.3, March 2021

Model Results

Mariasville STP, NPDES Permit No. PA0101907, Outfall 001

Instructions | Results | RETURN TO INPUTS | SAVE AS PDF | PRINT | ◉ All ○ Inputs ○ Results ○ Limits

☑ ***Hydrodynamics***

$Q_{7\text{-}10}$

RMI	Stream Flow (cfs)	PWS Withdrawal (cfs)	Net Stream Flow (cfs)	Discharge Analysis Flow (cfs)	Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Travel Time (days)	Complete Mix Time (min)
3.9	0.14		0.14	0.019	0.00024	0.423	7.47	17.677	0.05	2.946	14.072
1.5	0.33		0.334								

Q_h

RMI	Stream Flow (cfs)	PWS Withdrawal (cfs)	Net Stream Flow (cfs)	Discharge Analysis Flow (cfs)	Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Travel Time (days)	Complete Mix Time (min)
3.9	1.32		1.32	0.019	0.00024	1.085	7.47	6.886	0.165	0.887	4.278
1.5	2.849		2.85								

☑ ***Wasteload Allocations***

☑ ***AFC*** CCT (min): 14.072 PMF: 1 Analysis Hardness (mg/l): 100 Analysis pH: 6.99

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Aluminum	0	0		0	750	750	6,350	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Manganese	0	0		0	N/A	N/A	N/A	

☑ ***CFC*** CCT (min): 14.072 PMF: 1 Analysis Hardness (mg/l): 100 Analysis pH: 6.99

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Iron	0	0		0	1,500	1,500	12,699	WQC = 30 day average; PMF = 1

Total Manganese	0	0		0	N/A	N/A	N/A	

☑ ***THH*** CCT (min): 14.072 PMF: 1 Analysis Hardness (mg/l): N/A Analysis pH: N/A

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Manganese	0	0		0	1,000	1,000	8,466	

☑ ***CRL*** CCT (min): 4.278 PMF: 1 Analysis Hardness (mg/l): N/A Analysis pH: N/A

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Manganese	0	0		0	N/A	N/A	N/A	

☑ ***Recommended WQBELs & Monitoring Requirements***

No. Samples/Month: 4

	Mass Limits		*Concentration Limits*						
Pollutants	AML (lbs/day)	MDL (lbs/day)	AML	MDL	IMAX	Units	Governing WQBEL	WQBEL Basis	Comments
Total Iron	Report	Report	Report	Report	Report	mg/L	12.7	CFC	Discharge Conc > 10% WQBEL (no RP)

☑ ***Other Pollutants without Limits or Monitoring***

The following pollutants do not require effluent limits or monitoring based on water quality because reasonable potential to exceed water quality criteria was not determined and the discharge concentration was less than thresholds for monitoring, or the pollutant was not detected and a sufficiently sensitive analytical method was used (e.g., <= Target QL).

Pollutants	Governing WQBEL	Units	Comments
Total Aluminum	4.07	mg/L	Discharge Conc ≤ 10% WQBEL
Total Manganese	8.47	mg/L	Discharge Conc ≤ 10% WQBEL

Attachment 3

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

WATER MANAGEMENT SYSTEM
OPEN VIOLATIONS BY CLIENT

Client ID: 309251
Client: All

Open Violations: 27

CLIENT ID	CLIENT	PF ID	FACILITY	PF KIND	PF STATUS	INSP PROGRAM	PROGRAM SPECIFIC ID	INSP ID	VIOLATION ID	INSPECTION CATEGORY	VIOLATION DATE	VIOLATION CODE	VIOLATION	PF INSPECTOR	INSP REGION
309251	AQUA PA INC	582101	NESHAMINY CREEK PUMPING	Utilities/Sanitary Services	Active	Storage Tanks	09-07280	3426328	975879	PF	07/13/2022	245.612	Failure to meet performance and design standards		SERO
309251	AQUA PA INC	582101	NESHAMINY CREEK PUMPING	Utilities/Sanitary Services	Active	Storage Tanks	09-07280	3426344	975880	PF	07/13/2022	245.612	Failure to meet performance and design standards		SERO
309251	AQUA PA INC	6280	AQUA PA MONROE MANOR	Water Purveyor	Active	Water Planning and Conservation	102044-001	3304946	941335	PF	12/29/2021	110.301	Reporting for all water withdrawals and usage		NCRO
309251	AQUA PA INC	263947	AQUA PA BRISTOL	Community	Active	Safe Drinking Water	1090001	3402121	963816	PF	08/04/2022	C2B	FAILURE TO FOLLOW APPROVED METHODS FOR SAMPLING AND ANALYSIS	YANOS,SCOTT	SERO
309251	AQUA PA INC	257478	AQUA PA MAIN SYSTEM	Community	Active	Safe Drinking Water	1460073	3312991	943314	PF	01/27/2022	C2A	FAILURE TO CONDUCT PERFORMANCE MONITORING	FITZGERALD,NOAH	SERO
309251	AQUA PA INC	257478	AQUA PA MAIN SYSTEM	Community	Active	Safe Drinking Water	1460073	3312991	943315	PF	01/27/2022	C2D	FAILURE TO CALIBRATE TURBIDIMETERS USED FOR COMPLIANCE MONITORING	FITZGERALD,NOAH	SERO
309251	AQUA PA INC	585809	PICKERING CREEK PLT WEST	Utilities/Sanitary Services	Active	Storage Tanks	15-07278	3429034	970391	PF	07/13/2022	245.612	Failure to meet performance and design standards		SERO
309251	AQUA PA INC	585809	PICKERING CREEK PLT WEST	Utilities/Sanitary Services	Active	Storage Tanks	15-07278	3429039	970392	PF	07/13/2022	245.612	Failure to meet performance and design standards		SERO
309251	AQUA PA INC	270196	AQUA PA FIELDCREST	Community	Active	Safe Drinking Water	2400012	3411662	965914	PF	08/16/2022	C1A	FAILURE TO MEET DESIGN AND CONSTRUCTION STANDARDS	SUPPLEE,JOHN	NERO
309251	AQUA PA INC	270196	AQUA PA FIELDCREST	Community	Active	Safe Drinking Water	2400012	3411662	965915	PF	08/16/2022	C1F	CROSS-CONNECTIONS EXIST WITHOUT PROPER BACKFLOW PROTECTION	SUPPLEE,JOHN	NERO
309251	AQUA PA INC	270196	AQUA PA FIELDCREST	Community	Active	Safe Drinking Water	2400012	3411662	965916	PF	08/16/2022	C4A	FAILURE TO OPERATE AND MAINTAIN THE WATER SYSTEM	SUPPLEE,JOHN	NERO
309251	AQUA PA INC	573487	AQUA PA WILD PINES WATER SYS	Community	Active	Safe Drinking Water	2450141	2992056	875712	PF	02/04/2020	C1A	FAILURE TO MEET DESIGN AND CONSTRUCTION STANDARDS	HOELPER,ADAM	NERO
309251	AQUA PA INC	573487	AQUA PA WILD PINES WATER SYS	Community	Active	Safe Drinking Water	2450141	2992056	875713	PF	02/04/2020	C4A	FAILURE TO OPERATE AND MAINTAIN THE WATER SYSTEM	HOELPER,ADAM	NERO
309251	AQUA PA INC					WPC State Water Pollution Control	309251	3386932	960696	CInt	06/13/2022	CSL301	CSL - Unauthorized, unpermitted discharge of industrial wastes to waters of the Commonwealth		SERO
309251	AQUA PA INC					WPC State Water Pollution Control	309251	3386932	960697	CInt	06/13/2022	CSL611	CSL - Failure to comply with terms and conditions of a WQM permit		SERO
309251	AQUA PA INC					WPC State Water Pollution Control	309251	3386932	960698	CInt	06/13/2022	91.34(A)	91 - Failure to take necessary measures to prevent pollutants from reaching waters of the Commonwealth		SERO
309251	AQUA PA INC					WPC State Water Pollution Control	309251	3386932	960699	CInt	06/13/2022	CSL402(B)2	CSL - Failure to comply with the terms and conditions of a permit or order		SERO
309251	AQUA PA INC	244374	AQUA PA MT JEWETT	Community	Active	Safe Drinking Water	6420018	3347490	951537	PF	04/13/2022	C4A	FAILURE TO OPERATE AND MAINTAIN THE WATER SYSTEM	SEDLAK,WILLIAM	NWRO
309251	AQUA PA INC	244374	AQUA PA MT JEWETT	Community	Active	Safe Drinking Water	6420018	3347490	951538	PF	04/13/2022	C1A	FAILURE TO MEET DESIGN AND CONSTRUCTION STANDARDS	SEDLAK,WILLIAM	NWRO
309251	AQUA PA INC	743918	SR 3017 WATERMAIN	Stormwater-Construction (Non-Phased)	Active	WPC Erosion & Sediment Control	PAI024511002	3461689	976494	PF	11/09/2022	92A.62	92a - Failure to pay annual fee for individual NPDES permit		NERO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2134712	3272399	934489	PF	10/27/2021	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2210699	3314631	943637	PF	01/31/2022	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2210700	3314628	943636	PF	01/31/2022	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2210703	3314627	943635	PF	01/31/2022	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2221526	3364776	956058	PF	05/19/2022	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2221527	3364779	956059	PF	05/19/2022	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO
309251	AQUA PA INC	283005	AQUA PA CLARENDON	Community	Active	Safe Drinking Water	SM2221530	3364781	956060	PF	05/19/2022	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	POYER,ALAN	NWRO