pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0090719**
Facility Type	**Municipal**	APS ID	**992754**
Major / Minor	**Minor**	Authorization ID	**1272464**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**Indiana County Municipal Service Authority**	Facility Name	**Robindale Heights STP**
Applicant Address	602 Kolter Road Indiana, PA 15701	Facility Address	84 Edgewood Lane Seward, PA 15954
Applicant Contact	Tricia Lefko	Facility Contact	Tricia Lefko
Applicant Phone	(724) 349-6640	Facility Phone	(724) 349-6640
Client ID	38534	Site ID	247668
Ch 94 Load Status	Not Overloaded	Municipality	East Wheatfield Township
Connection Status	No Limitations	County	Indiana County
Date Application Received	April 19, 2019	EPA Waived?	No
Date Application Accepted	May 8, 2019	If No, Reason	TMDL
Purpose of Application	Renewal of a minor NPDES Permit for an existing discharge of treated sanitary wastewater from a municipal sewer system.		

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 continue to 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
E. Batch discharges
F. Ultraviolet (UV) Light Disinfection Reporting

SPECIAL CONDITIONS:

II. Solids Management

There are 20 open violations in eFacts associated with the subject Client ID (38534) as of 2/12/2021 (see Attachment 3).

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	2/12/2021
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	2/18/2021

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.035
Latitude	40º 25' 23.23"	Longitude	-79º 01' 15.90"
Quad Name	-	Quad Code	-
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to the Conemaugh River (CWF)	Stream Code	N/A
NHD Com ID	123721632	RMI	N/A
Drainage Area	1.59	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.159	Q_{7-10} Basis	calculated
Elevation (ft)	1102	Slope (ft/ft)	0.01240
Watershed No.	18-D	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	Final, 1/29/2010*	Name	Kiskiminetas-Conemaugh River Watersheds TMDL

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

Nearest Downstream Public Water Supply Intake	Buffalo Township Municipal Authority Freeport		
PWS Waters	Allegheny River	Flow at Intake (cfs)	2,576
PWS RMI	30.0	Distance from Outfall (mi)	73.0

* - There is a TMDL for metals in the Kiskiminetas-Conemaugh River watersheds. The contribution for metals from a sewage plant of this nature is expected to be less than water quality criteria and therefore would not contribute to the stream impairment. While the receiving stream segment is currently attaining its uses, per the SOP, annual monitoring is recommended for Total Aluminum, Total Iron, and Total Manganese to establish data to ensure there are no impacts on the quality of the receiving stream.

Sludge use and disposal description and location(s): Sludge is not used. It is disposed of at 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 0.035 MGD of treated sewage from a Publicly Owned Treatment Works (POTW) in East Wheatfield Township, Indiana County.

Treatment permitted under WQM Permit 3280408 consists of: A comminutor with bypass bar screen, a 12,000 gallon aerated flow equalization basin, a flow regulator box, a 35,460 gallon aeration tank, a final clarifier, and Ultraviolet (UV) light disinfection. Sludge handling consists of a 5,690 gallon aerobic digestor.

1. Streamflow:

Conemaugh River at Seward, PA (USGS Gage 03041500):

Drainage Area:	715	sq. mi.	(USGS StreamStats)
Q_{7-10}:	167	cfs	(USGS StreamStats)
Yieldrate:	0.23	cfsm	(calculated)

Unnamed Tributary to the Conemaugh River:

Yieldrate:	0.23	cfsm	(calculated above)
Drainage Area:	1.8	sq. mi.	(USGS StreamStats)
Q_{7-10}:	0.41	cfs	(calculated)

% of stream allocated: 100% Basis: No nearby discharges

2. Wasteflow:

Maximum discharge: 0.035 MGD = 0.054 cfs

Runoff flow period: 24 hours Basis: Runoff flow for a Municipal STP

There is more than 3 parts stream flow (Q7-10) to 1 part effluent (design flow). Therefore, per 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, will not be implemented in this NPDES Permit.

3. Parameters:

The following parameters were evaluated: pH, Total Suspended Solids, Fecal Coliform, Phosphorus, NH_3-N, $CBOD_5$, Dissolved Oxygen, and Total Residual Chlorine. NH_3-N, $CBOD_5$, and Dissolved Oxygen were evaluated using WQM 7.0 at the discharge point.

a. pH

Between 6.0 and 9.0 at all times

Basis: Application of Chapter 93.7 technology-based limits. 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), which will be retained.

b. Total Suspended Solids

Limits are 30 mg/l as a monthly average and 60 as a daily 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. Phosphorus

☐ Limit necessary due to:

☐ Discharge to lake, pond, or impoundment
☐ Discharge to stream

Basis: N/A

☒ Limit not necessary

Basis: 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.

e. Total Nitrogen

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

f. Ammonia-Nitrogen (NH_3-N)

Median discharge pH to be used:	7.0	Standard Units (S.U.)
		Basis: default value used in the absence of data
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:	8.9	mg/l (monthly average)
	17.8	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 water quality-based limits above (see Attachment 3), which are less stringent than the previous NPDES Permit. The winter limits are calculated as three times the summer limits, but since the technology-based limits are more protective, they will be used. Since the previously set summer limits of 5.0 mg/l monthly average and 10.0 mg/l instantaneous maximum are attainable based on eDMR data, they will be retained.

g. $CBOD_5$

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

Basis: default value used in the absence of data

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

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

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

Result: WQ modeling resulted in the calculated summer limits above (see Attachment 1), which are less stringent than the previous NPDES Permit. The winter limits are calculated as three times the summer limits, but since the technology-based limits are more protective, they will be used. Since the previously set summer limits of 16.0 mg/l monthly average and 32.0 mg/l instantaneous maximum are attainable based on eDMR data, they will be retained.

h. Dissolved Oxygen (DO)

- ☒ 4.0 mg/l - minimum desired in effluent to protect all aquatic life
- ☐ 5.0 mg/l - desired in effluent for CWF, WWF, or TSF
- ☐ 6.0 mg/l - minimum required due to discharge falling under guidance document 391-2000-014
- ☐ 8.0 mg/l - required due to discharge going to a naturally reproducing salmonid stream

Discussion: The Dissolved Oxygen minimum of 4.0 mg/l will be retained with this renewal. The technology-based minimum of 4.0 mg/l is recommended by the WQ Model (see Attachment 1) 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), which will be retained.

i. Total Residual Chlorine (TRC)

☒ No limit necessary

Basis: Since Ultraviolet (UV) light is used for disinfection, limits for TRC are not necessary. UV Dosage reporting will be retained with this renewal. 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), which will be retained.

☐ TRC limits: _____ mg/l (monthly average)
_____ mg/l (instantaneous maximum)

Basis: N/A

j. Influent Total Suspended Solids and BOD_5

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

k. 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.

4. Reasonable Potential Analysis for Receiving Stream:

A Reasonable Potential Analysis was performed in accordance with State practices for Outfall 001 by first using the Toxics Screening Analysis Spreadsheet to determine which parameters should be modeled using the PentoxSD program. Based on the Toxics Screening Analysis Spreadsheet (see Attachment 2), the following parameters were modeled for Outfall 001 in the PentoxSD program (se Attachment 3):

Hexavalent Chromium, Total Lead, and Total Silver.

Median stream pH to be used:	7.0	Standard Units (S.U.)
Stream hardness to be used:	100	mg/l
	Basis:	Default value (pH) and TMDL (hardness)
Median discharge pH to be used:	7.0	Standard Units (S.U.)
Discharge hardness to be used:	100	mg/l
	Basis:	eDMR (pH) and default value (hardness)

Result: No additional limits will be required for this renewal permit.

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

Nearest Downstream potable water supply (PWS): Buffalo Township Municipal Authority Freeport

Distance downstream from the point of discharge: 73.0 miles (approximate)

☒ No limits necessary
☐ Limits needed

Basis: Significant dilution available.

6. Flow Information:

The Robindale Heights STP receives 100% of its flow from the East Wheatfield Township, which consists of 100% separate sewers.

7. Attachment List:

Attachment 1 - WQ Modeling Printouts
Attachment 2 - Toxics Screening Analysis Spreadsheet
Attachment 3 - Pentox Modeling Printouts
Attachment 4 - Open Violations For Client in Efacts

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

Compliance History

DMR Data for Outfall 001 (from January 1, 2020 to December 31, 2020)

Parameter	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20
Flow (MGD) Average Monthly	0.01	0.011	0.01	0.01	0.009	0.008	0.009	0.014	0.012	0.013	0.019	0.016
Flow (MGD) Daily Maximum	0.012	0.013	0.01	0.011	0.01	0.01	0.009	0.015	0.016	0.015	0.025	0.016
pH (S.U.) Minimum	6.6	7.1	6.6	6.7	6.9	7.0	6.9	6.9	6.6	6.8	7.0	7.1
pH (S.U.) Maximum	7.2	8.2	7.7	7.5	8.1	8.0	7.8	7.6	7.5	7.1	7.2	7.2
DO (mg/L) Minimum	6.0	5.4	6.2	5.5	6.1	4.0	6.1	4.1	6.5	6.3	4.8	6.34
CBOD5 (lbs/day) Average Monthly	0.6	< 0.3	0.5	< 0.2	0.7	0.7	0.8	< 0.4	0.7	< 0.5	< 0.5	< 0.5
CBOD5 (mg/L) Average Monthly	7.7	< 3.1	5.9	< 3.0	8.7	10.1	11.7	< 3.5	7.7	< 4.2	< 3.0	< 3.8
CBOD5 (mg/L) Instantaneous Maximum	9.86	3.12	6.7	3.0	10.2	15.6	12.5	4.0	9.51	5.4	< 3.0	4.64
BOD5 (lbs/day) Raw Sewage Influent Average Monthly	20	25.0	34	13	15	12	28	37	15	22	22	25
BOD5 (mg/L) Raw Sewage Influent Average Monthly	241	258	436	176	186	164	404	318	189.7	192	152	196
BOD5 (mg/L) Raw Sewage Influent Instantaneous Maximum	261	276	668	213	197	194	462	391	315	243	173	240
TSS (lbs/day) Average Monthly	1.6	1.6	1.2	< 0.2	2.3	1.1	1.1	0.7	0.6	< 0.3	< 0.5	1.0
TSS (lbs/day) Raw Sewage Influent Average Monthly	8.0	17	22	8.0	17	1.1	10	31	10	14	15	24
TSS (mg/L) Average Monthly	20	16.0	15	< 3.0	29	14	15	6.0	8	< 3.0	< 3	5
TSS (mg/L) Raw Sewage Influent Average Monthly	90	172	285	109	215	14	147	263	121	124	120	184
TSS (mg/L) Instantaneous Maximum	24.8	19.2	17	3.6	34.5	21	18.8	6.4	12.4	3.6	4.4	7.2

TSS (mg/L) Raw Sewage Influent Instantaneous Maximum	100	228	398	142	262	21	158	386	180	172	180	240
Fecal Coliform (No./100 ml) Geometric Mean	33	74	7	< 3.0	204	101	554	< 2.0	< 1.0	< 49	< 1.0	< 1.0
Fecal Coliform (No./100 ml) Instantaneous Maximum	46.5	2419	10.8	11	2419.5	2419	791	4.1	1.0	2419	< 1.0	< 1.0
Ammonia (lbs/day) Average Monthly	< 0.008	< 0.01	0.1	< 0.008	< 0.2	0.3	0.4	< 0.1	< 0.06	0.06	< 0.02	< 0.09
Ammonia (mg/L) Average Monthly	< 0.1	< 0.01	1.8	< 0.1	< 2.8	4.9	5.0	< 1.2	< 0.8	0.6	< 0.1	< 0.07
Ammonia (mg/L) Instantaneous Maximum	< 0.1	< 0.01	1.9	< 0.1	5.4	5.67	5.1	2.3	1.599	1.0	0.132	1.291
UV Dosage (mjoules/cm^2) Average Monthly	5.5	8.1	6.9	7.6	7.1	7.1	6.5	8.8	8.7	9.2	8.6	6.5
UV Dosage (mjoules/cm^2) Instantaneous Maximum	8.4	9.3	9.0	9.2	9.2	9.3	9.3	11.2	10.3	10.1	10.5	8

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	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Wkly Avg	XXX	XXX	XXX	XXX	2/month	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
CBOD5 Nov 1 - Apr 30	7.0	XXX	XXX	25.0	XXX	50.0	2/month	Grab
CBOD5 May 1 - Oct 31	5.0	XXX	XXX	16.0	XXX	32.0	2/month	Grab
BOD5 Raw Sewage Influent	Report	XXX	XXX	Report	XXX	Report	2/month	Grab
TSS Raw Sewage Influent	Report	XXX	XXX	Report	XXX	Report	2/month	Grab
TSS	9.0	XXX	XXX	30.0	XXX	60.0	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab
Ammonia-Nitrogen Nov 1 - Apr 30	4.4	XXX	XXX	15.0	XXX	30.0	2/month	Grab
Ammonia-Nitrogen May 1 - Oct 31	1.5	XXX	XXX	5.0	XXX	10.0	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite
Total Iron	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	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	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Total Manganese	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite
UV Dosage (mjoules/cm²)	XXX	XXX	XXX	Report	XXX	Report	1/day	Metered

Compliance Sampling Location: Outfall 001, after Ultraviolet (UV) light disinfection.

Flow, Total Nitrogen, Total Phosphorus, Total Aluminum, Total Iron, Total Manganese, and UV Dosage are monitor only based on Chapter 92a.61. Monitoring for influent BOD5 and influent Total Suspended Solids is based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for $CBOD_5$, Total Suspended Solids, Dissolved Oxygen, and Fecal Coliform are technology based on Chapter 92a.47. The limits for Ammonia-Nitrogen are water quality-based on Chapter 93.7.

Attachment 1

WQM 7.0 Effluent Limits

SWP Basin	Stream Code	Stream Name
18D	45000	Trib 45000 to Conemaugh River

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)
0.290	Robindale	PA0090719z	0.035	CBOD5	25		
				NH3-N	8.9	17.8	
				Dissolved Oxygen			4

WQM 7.0 D.O.Simulation

SWP Basin	Stream Code	Stream Name
18D	45000	Trib 45000 to Conemaugh River

RMI	Total Discharge Flow (mgd)	Analysis Temperature (°C)	Analysis pH
0.290	0.035	21.270	7.000
Reach Width (ft)	**Reach Depth (ft)**	**Reach WDRatio**	**Reach Velocity (fps)**
6.296	0.393	16.011	0.086
Reach CBOD5 (mg/L)	**Reach Kc (1/days)**	**Reach NH3-N (mg/L)**	**Reach Kn (1/days)**
7.84	1.174	2.26	0.772
Reach DO (mg/L)	**Reach Kr (1/days)**	**Kr Equation**	**Reach DO Goal (mg/L)**
7.165	24.312	Owens	6
Reach Travel Time (days)			
0.206			

Subreach Results

TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
0.021	7.64	2.23	7.50
0.041	7.45	2.19	7.72
0.062	7.26	2.16	7.86
0.082	7.08	2.12	7.95
0.103	6.90	2.09	8.01
0.124	6.72	2.06	8.05
0.144	6.55	2.02	8.05
0.165	6.39	1.99	8.05
0.185	6.23	1.96	8.05
0.206	6.07	1.93	8.05

WQM 7.0 Wasteload Allocations

SWP Basin	Stream Code	Stream Name
18D	45000	Trib 45000 to Conemaugh River

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
0.290	Robindale	8.53	24.56	8.53	24.56	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
0.290	Robindale	1.78	8.9	1.78	8.9	1	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)		
0.29	Robindale	25	25	8.9	8.9	4	4	0	0

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		

WQM 7.0 Hydrodynamic Outputs

SWP Basin	Stream Code	Stream Name
18D	45000	Trib 45000 to Conemaugh River

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												
0.290	0.16	0.00	0.16	.0541	0.01241	.393	6.3	16.01	0.09	0.206	21.27	7.00
Q1-10 Flow												
0.290	0.10	0.00	0.10	.0541	0.01241	NA	NA	NA	0.07	0.245	21.74	7.00
Q30-10 Flow												
0.290	0.22	0.00	0.22	.0541	0.01241	NA	NA	NA	0.10	0.180	21.00	7.00

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
18D	45000	Trib 45000 to Conemaugh River	**0.290**	1102.00	1.59	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	0.100	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	20.00	7.00
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
Robindale	PA0090719z	0.0350	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	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
18D	45000	Trib 45000 to Conemaugh River	**0.000**	1083.00	1.66	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	0.100	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	20.00	7.00
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	0.00	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

Attachment 2

TOXICS SCREENING ANALYSIS
WATER QUALITY POLLUTANTS OF CONCERN
VERSION 2.7

Facility: **Robindale Heights STP**
Analysis Hardness (mg/L): **100**
Stream Flow, Q_{7-10} (cfs): **0.41**

NPDES Permit No.: **PA0090719**
Discharge Flow (MGD): **0.035**

Outfall: **001**
Analysis pH (SU): **7**

	Parameter		Maximum Concentration in Application or DMRs (µg/L)	Most Stringent Criterion (µg/L)	Candidate for PENTOXSD Modeling?	Most Stringent WQBEL (µg/L)	Screening Recommendation
Group 1	Total Dissolved Solids	<	500000.000000000	500000	No		
	Chloride	<	250000.000000000	250000	No		
	Bromide	<	N/A	N/A	No		Monitor
	Sulfate	<	250000.000000000	250000	No		
Group 2	Total Aluminum	<	750.000000000	750	No		
	Total Antimony	<	5.600000000	5.6	No		
	Total Arsenic	<	10.000000000	10	No		
	Total Barium	<	2400.000000000	2400	No		
	Total Beryllium	<	N/A	N/A	No		
	Total Boron	<	1600.000000000	1600	No		
	Total Cadmium	<	0.271000000	0.271	No		
	Total Chromium	<	N/A	N/A	No		
	Hexavalent Chromium	<	10.400000000	10.4	Yes	40.921	Monitor
	Total Cobalt	<	19.000000000	19	No		
	Total Copper	<	9.300000000	9.3	No		
	Free Available Cyanide	<	5.200000000	5.2	No		
	Total Cyanide	<	N/A	N/A	No		
	Dissolved Iron	<	300.000000000	300	No		
	Total Iron	<	1500.000000000	1500	No		
	Total Lead	<	3.200000000	3.2	Yes	12.525	Monitor
	Total Manganese	<	1000.000000000	1000	No		
	Total Mercury	<	0.050000000	0.05	No (Value < QL)		
	Total Nickel	<	52.200000000	52.2	No		
	Total Phenols (Phenolics)	<	5.000000000	5	No (Value < QL)		
	Total Selenium	<	5.000000000	5.0	No (Value < QL)		
	Total Silver	<	3.800000000	3.8	Yes	9.549	Monitor
	Total Thallium	<	0.240000000	0.24	No (Value < QL)		
	Total Zinc	<	119.800000000	119.8	No		
	Total Molybdenum	<	N/A	N/A	No		
Group 3	Acrolein	<	3.000000000	3	No		
	Acrylonitrile	<	0.051000000	0.051	No (Value < QL)		
	Benzene	<	1.200000000	1.2	No		
	Bromoform	<	4.300000000	4.3	No		
	Carbon Tetrachloride	<	0.230000000	0.23	No (Value < QL)		
	Chlorobenzene	<	130.000000000	130	No		
	Chlorodibromomethane	<	0.400000000	0.4	No (Value < QL)		
	Chloroethane	<	N/A	N/A	No		
	2-Chloroethyl Vinyl Ether	<	3500.000000000	3500	No		
	Chloroform	<	5.700000000	5.7	No		
	Dichlorobromomethane	<	0.550000000	0.55	No		
	1,1-Dichloroethane	<	N/A	N/A	No		
	1,2-Dichloroethane	<	0.380000000	0.38	No (Value < QL)		
	1,1-Dichloroethylene	<	33.000000000	33	No		
	1,2-Dichloropropane	<	2200.000000000	2200	No		
	1,3-Dichloropropylene	<	0.340000000	0.34	No (Value < QL)		
	1,4-Dioxane	<	N/A	N/A	No		
	Ethylbenzene	<	530.000000000	530	No		
	Methyl Bromide	<	47.000000000	47	No		
	Methyl Chloride	<	5500.000000000	5500	No		
	Methylene Chloride	<	4.600000000	4.6	No		
	1,1,2,2-Tetrachloroethane	<	0.170000000	0.17	No (Value < QL)		
	Tetrachloroethylene	<	0.690000000	0.69	No		
	Toluene	<	330.000000000	330	No		
	1,2-trans-Dichloroethylene	<	140.000000000	140	No		
	1,1,1-Trichloroethane	<	610.000000000	610	No		
	1,1,2-Trichloroethane	<	0.590000000	0.59	No		
	Trichloroethylene	<	2.500000000	2.5	No		
	Vinyl Chloride	<	0.025000000	0.025	No (Value < QL)		
Group 4	2-Chlorophenol	<	81.000000000	81	No		
	2,4-Dichlorophenol	<	77.000000000	77	No		
	2,4-Dimethylphenol	<	130.000000000	130	No		
	4,6-Dinitro-o-Cresol	<	13.000000000	13	No		
	2,4-Dinitrophenol	<	69.000000000	69	No		
	2-Nitrophenol	<	1600.000000000	1600	No		
	4-Nitrophenol	<	470.000000000	470	No		
	p-Chloro-m-Cresol	<	30.000000000	30	No		
	Pentachlorophenol	<	0.270000000	0.27	No (Value < QL)		

	Phenol	<	10400.000000000	10400	No		
	2,4,6-Trichlorophenol	<	1.400000000	1.4	No (Value < QL)		
Group 5	Acenaphthene	<	17.000000000	17	No		
	Acenaphthylene	<	N/A	N/A	No		
	Anthracene	<	8300.000000000	8300	No		
	Benzidine	<	0.000086000	0.000086	No (Value < QL)		
	Benzo(a)Anthracene	<	0.003800000	0.0038	No (Value < QL)		
	Benzo(a)Pyrene	<	0.003800000	0.0038	No (Value < QL)		
	3,4-Benzofluoranthene	<	0.003800000	0.0038	No (Value < QL)		
	Benzo(ghi)Perylene	<	N/A	N/A	No		
	Benzo(k)Fluoranthene	<	0.003800000	0.0038	No (Value < QL)		
	Bis(2-Chloroethoxy)Methane	<	N/A	N/A	No		
	Bis(2-Chloroethyl)Ether	<	0.030000000	0.03	No (Value < QL)		
	Bis(2-Chloroisopropyl)Ether	<	1400.000000000	1400	No		
	Bis(2-Ethylhexyl)Phthalate	<	1.200000000	1.2	No (Value < QL)		
	4-Bromophenyl Phenyl Ether	<	54.000000000	54	No		
	Butyl Benzyl Phthalate	<	35.000000000	35	No		
	2-Chloronaphthalene	<	1000.000000000	1000	No		
	4-Chlorophenyl Phenyl Ether	<	N/A	N/A	No		
	Chrysene	<	0.003800000	0.0038	No (Value < QL)		
	Dibenzo(a,h)Anthrancene	<	0.003800000	0.0038	No (Value < QL)		
	1,2-Dichlorobenzene	<	160.000000000	160	No		
	1,3-Dichlorobenzene	<	69.000000000	69	No		
	1,4-Dichlorobenzene	<	150.000000000	150	No		
	3,3-Dichlorobenzidine	<	0.021000000	0.021	No (Value < QL)		
	Diethyl Phthalate	<	800.000000000	800	No		
	Dimethyl Phthalate	<	500.000000000	500	No		
	Di-n-Butyl Phthalate	<	21.000000000	21	No		
	2,4-Dinitrotoluene	<	0.050000000	0.05	No (Value < QL)		
	2,6-Dinitrotoluene	<	0.050000000	0.05	No (Value < QL)		
	Di-n-Octyl Phthalate	<	N/A	N/A	No		
	1,2-Diphenylhydrazine	<	0.036000000	0.036	No (Value < QL)		
	Fluoranthene	<	40.000000000	40	No		
	Fluorene	<	1100.000000000	1100	No		
	Hexachlorobenzene	<	0.000280000	0.00028	No (Value < QL)		
	Hexachlorobutadiene	<	0.440000000	0.44	No (Value < QL)		
	Hexachlorocyclopentadiene	<	1.000000000	1	No (Value < QL)		
	Hexachloroethane	<	1.400000000	1.4	No (Value < QL)		
	Indeno(1,2,3-cd)Pyrene	<	0.003800000	0.0038	No (Value < QL)		
	Isophorone	<	35.000000000	35	No		
	Naphthalene	<	43.000000000	43	No		
	Nitrobenzene	<	17.000000000	17	No		
	n-Nitrosodimethylamine	<	0.000690000	0.00069	No (Value < QL)		
	n-Nitrosodi-n-Propylamine	<	0.005000000	0.005	No (Value < QL)		
	n-Nitrosodiphenylamine	<	3.300000000	3.3	No (Value < QL)		
	Phenanthrene	<	1.000000000	1	No (Value < QL)		
	Pyrene	<	830.000000000	830	No		
	1,2,4-Trichlorobenzene	<	26.000000000	26	No		
Group 6	Aldrin	<	0.000049000	0.000049	No (Value < QL)		
	alpha-BHC	<	0.002600000	0.0026	No (Value < QL)		
	beta-BHC	<	0.009100000	0.0091	No (Value < QL)		
	gamma-BHC	<	0.098000000	0.098	No		
	delta BHC	<	N/A	N/A	No		
	Chlordane	<	0.000800000	0.0008	No (Value < QL)		
	4,4-DDT	<	0.000220000	0.00022	No (Value < QL)		
	4,4-DDE	<	0.000220000	0.00022	No (Value < QL)		
	4,4-DDD	<	0.000310000	0.00031	No (Value < QL)		
	Dieldrin	<	0.000052000	0.000052	No (Value < QL)		
	alpha-Endosulfan	<	0.056000000	0.056	No		
	beta-Endosulfan	<	0.056000000	0.056	No		
	Endosulfan Sulfate	<	N/A	N/A	No		
	Endrin	<	0.036000000	0.036	No (Value < QL)		
	Endrin Aldehyde	<	0.290000000	0.29	No		
	Heptachlor	<	0.000079000	0.000079	No (Value < QL)		
	Heptachlor Epoxide	<	0.000039000	0.000039	No (Value < QL)		
	Toxaphene	<	0.000200000	0.0002	No (Value < QL)		
	2,3,7,8-TCDD	<	0.000000005	0.000000005	No (Value < QL)		
Group 7	Gross Alpha (pCi/L)	<	N/A	N/A	No		
	Total Beta (pCi/L)	<	N/A	N/A	No		
	Radium 226/228 (pCi/L)	<	N/A	N/A	No		
	Total Strontium	<	4000.000000000	4000	No		
	Total Uranium	<	N/A	N/A	No		

Attachment 3

PENTOXSD Analysis Results

Recommended Effluent Limitations

SWP Basin	Stream Code:	Stream Name:
18D	45000	Trib 45000 to Conemaugh River

RMI	Name	Permit Number	Disc Flow (mgd)
0.29	Robindale	PA0090719z	0.0350

Parameter	Effluent Limit (µg/L)	Governing Criterion	Max. Daily Limit (µg/L)	Most Stringent WQBEL (µg/L)	Most Stringent WQBEL Criterion
CHROMIUM, VI	10.4	INPUT	16.226	40.921	CFC
LEAD	3.2	INPUT	4.993	12.525	CFC
SILVER	3.8	INPUT	5.929	9.549	AFC

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number
0.29	**Robindale**	**PA0090719z**

AFC

Q7-10: **CCT (min)** 1.1 **PMF** 1 **Analysis pH** 7 **Analysis Hardness** 100

Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
LEAD	0	0	0	0	64.581	81.645	321.401
	Dissolved WQC. Chemical translator of 0.791 applied.						
SILVER	0	0	0	0	3.217	3.784	14.898
	Dissolved WQC. Chemical translator of 0.85 applied.						
CHROMIUM, VI	0	0	0	0	16	16.293	64.139
	Dissolved WQC. Chemical translator of 0.982 applied.						

CFC

Q7-10: **CCT (min)** 1.1 **PMF** 1 **Analysis pH** 7 **Analysis Hardness** 100

Parameter	Stream Conc. (µg/L)	Stream CV	Trib Conc. (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
LEAD	0	0	0	0	2.517	3.182	12.525
	Dissolved WQC. Chemical translator of 0.791 applied.						
SILVER	0	0	0	0	NA	NA	NA
CHROMIUM, VI	0	0	0	0	10	10.395	40.921
	Dissolved WQC. Chemical translator of 0.962 applied.						

THH

Q7-10: **CCT (min)** 1.1 **PMF** NA **Analysis pH** NA **Analysis Hardness** NA

Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
LEAD	0	0	0	0	NA	NA	NA
SILVER	0	0	0	0	NA	NA	NA
CHROMIUM, VI	0	0	0	0	NA	NA	NA

CRL

Qh: **CCT (min)** 0.498 **PMF** 1

Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
LEAD	0	0	0	0	NA	NA	NA
SILVER	0	0	0	0	NA	NA	NA

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number						
0.29	**Robindale**	**PA0090719z**						
	CHROMIUM, VI	0	0	0	0	NA	NA	NA

PENTOXSD Analysis Results

Hydrodynamics

SWP Basin	Stream Code:	Stream Name:
18D	45000	Trib 45000 to Conemaugh River

RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)
Q7-10 Hydrodynamics											
0.290	0.159	0	0.159	0.05414	0.0124	0.3932	6.2963	16.011	0.0861	0.2059	1.1
0.000	0.166	0	0.166	NA	0	0	0	0	0	0	NA
Qh Hydrodynamics											
0.290	1.4894	0	1.4894	0.05414	0.0124	0.9397	6.2963	6.7003	0.2609	0.0679	.498
0.000	1.5465	0	1.5465	NA	0	0	0	0	0	0	NA

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
45000	0.29	1102.00	1.59	0.00000	0.00	☑

Stream Data

	LFY	Trib Flow	Stream Flow	WD Ratio	Rch Width	Rch Depth	Rch Velocity	Rch Trav Time	Tributary Hard	Tributary pH	Stream Hard	Stream pH	Analysis Hard	Analysis pH
	(cfsm)	(cfs)	(cfs)		(ft)	(ft)	(fps)	(days)	(mg/L)		(mg/L)		(mg/L)	
Q7-10	0.1	0	0	0	0	0	0	0	100	7	100	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Robindale	PA0090719z	0.035	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
CHROMIUM, VI	10.4	0	0.5	0.5	0	0	0	0	1	0
LEAD	3.2	0	0.5	0.5	0	0	0	0	1	0
SILVER	3.8	0	0.5	0.5	0	0	0	0	1	0

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
45000	0.00	1083.00	1.66	0.00000	0.00	☑

Stream Data

	LFY	Trib Flow	Stream Flow	WD Ratio	Rch Width	Rch Depth	Rch Velocity	Rch Trav Time	Tributary Hard	Tributary pH	Stream Hard	Stream pH	Analysis Hard	Analysis pH
	(cfsm)	(cfs)	(cfs)		(ft)	(ft)	(fps)	(days)	(mg/L)		(mg/L)		(mg/L)	
Q7-10	0.1	0	0	0	0	0	0	0	100	7	100	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
CHROMIUM, VI	0	0	0.5	0.5	0	0	0	0	1	0
LEAD	0	0	0.5	0.5	0	0	0	0	1	0
SILVER	0	0	0.5	0.5	0	0	0	0	1	0

Attachment 4

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

WATER MANAGEMENT SYSTEM
OPEN VIOLATIONS BY CLIENT

Client ID: 38534
Client: All

Open Violations: 20

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
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	5320007	2481043	758538	PF	04/27/2016	B5OLD2	FAILED TO OBTAIN A PERMIT, INNOVATIVE TECHNOLOGY PERMIT, MAJOR PERMIT AMENDMENT, OR EMERGENCY PERMIT.	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	5320007	2983666	873820	PF	09/09/2019	45	Failure to Address a Significant Deficiency	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252656	ICMSA ROSSITER	Community	Active	Safe Drinking Water	5320034	2983682	873823	PF	09/09/2019	45	Failure to Address a Significant Deficiency	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252741	ICMSA ARCADIA	Community	Active	Safe Drinking Water	5320041	2474455	756873	PF	04/13/2016	B3OLD	FAILED TO RESPOND TO PRIMARY MCL OR TREATMENT TECHNIQUE VIOLATION (INCLUDES: REPORTING TO DEP, PUBLIC NOTIFICATION, INVESTIGATION OF CAUSE/CORRECTIVE	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252741	ICMSA ARCADIA	Community	Active	Safe Drinking Water	5320041	2983677	873821	PF	09/10/2019	45	Failure to Address a Significant Deficiency	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	564512	CHERRY TREE STP	Sewage Publicly Owned (Muni)	Active	WPC NPDES	PA0218839	3053531	888337	PF	07/07/2020	92A.61(C)	NPDES - Failure to monitor pollutants as required by the NPDES permit	ALCORN, CLARISSA	NCRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM1929402	2921448	859277	PF	08/19/2019	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM1929404	2921449	859278	PF	08/19/2019	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM1938660	2959550	868225	PF	11/18/2019	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM1938662	2959551	868226	PF	11/18/2019	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252656	ICMSA ROSSITER	Community	Active	Safe Drinking Water	SM1938672	2957792	867863	PF	11/13/2019	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM2009924	2997811	877068	PF	02/14/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM2009926	2997812	877069	PF	02/14/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM2022290	3032646	884679	PF	05/14/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM2022292	3032649	884680	PF	05/14/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252656	ICMSA ROSSITER	Community	Active	Safe Drinking Water	SM2022297	3045577	886887	PF	06/17/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	525147	ICMSA CROOKED CREEK	Community	Active	Safe Drinking Water	SM2022305	3032653	884681	PF	05/14/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	CROW, MELISSA	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	240311	ICMSA CHERRYTREE	Community	Active	Safe Drinking Water	SM2030989	3069683	891804	PF	08/20/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252656	ICMSA ROSSITER	Community	Active	Safe Drinking Water	SM2043264	3097832	897816	PF	10/26/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO
38534	INDIANA CNTY MUNI SVC AUTH	252741	ICMSA ARCADIA	Community	Active	Safe Drinking Water	SM2043267	3107723	899438	PF	11/13/2020	02	EXCEEDED THE CHEMICAL AVERAGE MAXIMUM CONTAMINANT LEVEL	THOMAS, JOHN	NWRO