

Northwest Regional Office CLEAN WATER PROGRAM

Application Type

Renewal

Non
Facility Type

Major / Minor

Minor

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0095729

APS ID 1028066

Authorization ID 1335430

Applicant Name	Easte	ern Orthodox Foundation	Facility Name	Eastern Orthodox Foundation
Applicant Address	170 F	r Martin Telenson Road	Facility Address	170 Fr Martin Telenson Road
	Penn	Run, PA 15765-7336		Penn Run, PA 15765-7336
Applicant Contact	Lou V	Vagner	Facility Contact	Andrew Meloy
Applicant Phone	(724)	465-2165	Facility Phone	(814) 329-8811
Client ID	3901	4	Site ID	250081
Ch 94 Load Status	Not C	Overloaded	Municipality	Cherryhill Township
Connection Status			County	Indiana
Date Application Rece	eived	November 17, 2020	EPA Waived?	Yes
Date Application Accepted		December 10, 2020	If No, Reason	

Summary of Review

Act 14 – Proof of notification were submitted and received.

There are no open violations for subject client no. 39014 as of 1/13/2022. JCD 2/2/2022

This facility is currently submitting eDMR reports.

There has been no change to the discharge or receiving stream since the last permit issuance.

A part 2 WQM permit is not required at this time.

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

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.

Approve	Deny	Signatures	Date
Х		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	January 13, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	February 2, 2022

scharge, Receiving	Water	s and Water Supply Info	ormation	
Outfall Na 004			Design Flour (MCD)	040
Outfall No. 001 Latitude 40° 35	E! 40"		_ Design Flow (MGD)	.018 -79º 0' 18"
Latitude 40° 35 Quad Name Bru		0.4	_ Longitude Quad Code	1413
Wastewater Descrip		Sewage Effluent	_ Quad Code	1413
wasiewaiei Descrip	MOH.	Sewage Emuent		
		med Tributary of Yellow		
Receiving Waters		(CWF)	Stream Code	44190
NHD Com ID		95937	RMI	0.75
Drainage Area	0.38 r	ni ²	Yield (cfs/mi²)	0.04
Q ₇₋₁₀ Flow (cfs)	0.015		Q ₇₋₁₀ Basis	USGS# 03042200 ('61 – '87)
Elevation (ft)	1445	(Google Earth)	Slope (ft/ft)	
Watershed No.	18-D		Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier		
Exceptions to Use			Exceptions to Criteria	
Assessment Status		Impaired		
Cause(s) of Impairm	nent		N, SILTATION, SILTATION	
Source(s) of Impairr	ment	DAM OR IMPOUNDME DAM OR IMPOUNDME	NT, DAM OR IMPOUNDMENT, D NT	AM OR IMPOUNDMENT,
			Kiskiminetas	s-Conemaugh River
TMDL Status		Final	Name Watersheds	TMDL
D			Data 0	
Background/Ambier	it Data		Data Source	
pH (SU)			-	
Temperature (°F)			-	
Hardness (mg/L)				
Other:				
Nearest Downstrear	m Publi	c Water Supply Intake	Central Indiana Co Water Aut	hority
PWS Waters Yellow Creek		Flow at Intake (cfs)		
PWS RMI 4	.58	·	Distance from Outfall (mi)	9.63

Changes Since Last Permit Issuance: None

Other Comments: The discharge is to an Unnamed intermittent stream just upstream of Lake Margus eventually entering Yellow Creek Lake approximately 1 mile from the discharge point.

	Treatment Facility Summary							
Treatment Facility Name: Eastern Orthodox Foundation STP								
WQM Permit No.	Issuance Date							
3273406	September 10, 1973							
	<u> </u>		T					
	Degree of			Avg Annual				
Waste Type	Treatment	Process Type	Disinfection	Flow (MGD)				
		Extended aeration with						
Sewage	Tertiary	sand filtration	Tablet chlorination	0.00723				
Hydraulic Capacity	Organic Capacity			Biosolids				
(MGD)	(lbs/day)	Load Status	Biosolids Treatment	Use/Disposal				
0.018	30.04	Not Overloaded	N/A	N/A				

Changes Since Last Permit Issuance: None

Other Comments: Treatment consists of a wet well, comminutor, aeration tank, settling tank, dosing tank, 4 intermittent sand filters, chlorinator, chlorine contact tank, and sludge holding tank.

Compliance History

DMR Data for Outfall 001 (from December 1, 2020 to November 30, 2021)

Flow (MCD)	Parameter	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20
H (S U) Minimum	Flow (MGD)		0.007827										
Minimum	Average Monthly	0.007253	1	0.010487	0.008714	0.010595	0.009642	0.009836	0.008336	0.006943	0.005878	0.00642	0.007572
PH (S, U) Raintender Rain	pH (S.U.)												
Maximum		7.4	7.62	7.42	7.69	7.45	7.47	7.10	7.06	7.0	7.04	7.06	6.87
DO (mg/L) Minimum 9.88 9.0 7.02 7.51 7.63 8.29 8.55 8.81 8.24 11.92 10.87 10.01 TRC (mg/L) Average Monthly < 0.01 < 0.1 0.01 < 0.1 < 0.05 < 0.1 < 0.02 < 0.04 < 0.04 < 0.1 < 0.03 < 0.03 TRC (mg/L) Average Monthly < 0.01 0.14 0.24 0.25 0.24 0.49 0.6 0.15 0.41 0.54 0.2 0.25 0.16 CBOD5 (mg/L) Average Monthly 3.0 < 3.0 3.0 3.0 5.0 < 10.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 Instantaneous Maximum 3.0 3.0 3.0 3.0 4.57 16.3 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 Average Monthly < 2.0 < 3.0 2.0 2.0 11.0 2.0 10.0 3.0 < 3.0 < 2.0 < 2.0 < 1.0 TSS (mg/L) Instantaneous Maximum < 1.6 4.0 3.6 3.2 19.2 2.2 12.0 3.2 4.4 < 2.0 2.2 < 1.6 Fecal Coliform (No./100 ml) Average Monthly < 1 < 1 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1.0 < 1.0 < 1.0 < 1.0 < 3.74 Ammonia (mg/L) Ammonia (mg/L) Ammonia (mg/L) Ammonia (mg/L) Ammonia (mg/L) Bally Maximum D.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1	pH (S.U.)												
Minimum 9.88 9.0 7.02 7.51 7.63 8.29 8.55 8.81 8.24 11.92 10.87 10.01 RCC (mg/L) Average Monthly < 0.01 < 0.1 0.01 < 0.1 < 0.05 < 0.1 < 0.02 < 0.04 < 0.04 < 0.01 < 0.03 < 0.03 RCC (mg/L) Instantaneous Maximum 0.14 0.24 0.25 0.24 0.49 0.6 0.15 0.41 0.54 0.2 0.25 0.16 RECODS (mg/L) Average Monthly 3.0 < 3.0 3.0 3.0 5.0 < 10.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 RESON (mg/L) Average Monthly < 2.0 < 3.0 3.0 3.0 3.0 4.57 16.3 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 RSS (mg/L) Average Monthly < 2.0 < 3.0 2.0 2.0 11.0 2.0 10.0 3.0 < 3.0 < 3.0 < 2.0 < 2.0 < 1.0 RSS (mg/L) Average Monthly < 2.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 RSS (mg/L) Average Monthly < 1.6 4.0 3.6 3.2 19.2 2.2 12.0 3.2 4.4 < 2.0 2.2 < 1.6 Recal Coliform (No/100 ml) Average Monthly < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 Recal Coliform (Ng/L) Average Monthly < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 Recal Routing (mg/L) Average Monthly < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	Maximum	7.9	8.17	8.25	8.39	8.51	8.21	8.06	7.85	7.74	7.76	8.24	8.28
TRC (mg/L)													
Average Monthly		9.88	9.0	7.02	7.51	7.63	8.29	8.55	8.81	8.24	11.92	10.87	10.01
TRC (mg/L)													
Instantaneous Maximum		< 0.01	< 0.1	0.01	< 0.1	< 0.05	< 0.1	< 0.02	< 0.04	< 0.04	< 0.1	< 0.03	< 0.03
CBOD5 (mg/L) Average Monthly 3.0 < 3.0 3.0 3.0 3.0 3.0 4.57 16.3 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0													
Average Monthly 3.0 <3.0 3.0 3.0 5.0 <10.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0		0.14	0.24	0.25	0.24	0.49	0.6	0.15	0.41	0.54	0.2	0.25	0.16
CBODE (mg/L) Instantaneous Maximum 3.0 3.0 3.0 4.57 16.3 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0													
Instantaneous Maximum 3.0 3.0 3.0 4.57 16.3 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.0 < 3.		3.0	< 3.0	3.0	5.0	< 10.0	< 3.0	< 3.0	< 3.0	< 3.0	6.0	< 3.0	< 3.0
TSS (mg/L)													
Average Monthly <2.0 <3.0 2.0 2.0 11.0 2.0 10.0 3.0 <3.0 <2.0 <2.0 <1.0		3.0	3.0	3.0	4.57	16.3	< 3.0	< 3.0	< 3.0	< 3.0	5.67	< 3.0	< 3.0
TSS (mg/L) Instantaneous Maximum < 1.6 4.0 3.6 3.2 19.2 2.2 12.0 3.2 4.4 < 2.0 2.2 < 1.6													
Instantaneous Maximum		< 2.0	< 3.0	2.0	2.0	11.0	2.0	10.0	3.0	< 3.0	< 2.0	< 2.0	< 1.0
Fecal Coliform (No./100 ml)													
Mariang Monthly		< 1.6	4.0	3.6	3.2	19.2	2.2	12.0	3.2	4.4	< 2.0	2.2	< 1.6
Average Monthly <1													
Fecal Coliform (No./100 ml)	,			4			4.0			4.0	4.0	0	4.0
Miles Maximum Maximu		< 1	< 1	1	< 1	< 1	< 1.0	< 1	< 1	< 1.0	< 1.0		< 1.0
Instantaneous Maximum													
Total Nitrogen (mg/L)	,		1	4	- 1	- 1	- 1	- 1	- 1	-10	. 1	- 4.0	.10
Daily Maximum		< 1	< 1	ı	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1	< 4.0	< 1.0
Ammonia (mg/L) Average Monthly 0.1 < 0.1													- 27.4
Average Monthly 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1													< 37.4
Ammonia (mg/L) Instantaneous Maximum 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.		0.1	-01	0.1	-01	-01	-01	-01	-01	-12	-01	-01	2.2
Instantaneous Maximum 0.1 < 0.1 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1		0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 4.Z	< 0.1	< 0.1	۷.۷
Total Phosphorus (mg/L)		0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	8.204	< 0.1	< 0.1	2 43
Daily Maximum 0.51 Total Aluminum (mg/L) 0.51 Daily Maximum < 0.1		0.1	<u> </u>	0.1	<u> </u>	<u> </u>	\ 0.1	<u> </u>	<u> </u>	0.204	<u> </u>	\ 0.1	2.70
Total Aluminum (mg/L)													0.51
Daily Maximum < 0.1													0.01
Total Iron (mg/L) Daily Maximum Total Manganese (mg/L) Column													< 0.1
Daily Maximum <													. 5.11
Total Manganese (mg/L)													< 0.200
	Daily Maximum												< 0.0200

Compliance History

Effluent Violations for Outfall 001, from: January, 2019 To: January, 2022

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
TSS	07/31/21	Avg Mo	11.0	mg/L	10.0	mg/L
Ammonia	03/31/21	Avg Mo	< 4.2	mg/L	1.5	mg/L
Ammonia	03/31/21	IMAX	8.204	mg/L	3.0	mg/L
Ammonia	12/31/2020	Avg Mo	2.2	mg/L	1.5	mg/L
CBOD5	12/31/2019	Avg Mo	15	mg/L	10	mg/L
TSS	03/31/19	IMAX	26	mg/L	20	mg/L
TSS	03/31/19	Avg Mo	14	mg/L	10	mg/L

Summary of Inspections: An inspection occurred on 6/4/2019 where no violations were noted.

Other Comments: The past 3 years of eDMR data was reviewed and effluent violations are listed above. A beaver dam was removed, and an air supply blower was replaced to address the effluent violations. This facility is in general compliance and submitting regular eDMR reports. It is recommended that this permit be renewed.

Development of Effluent Limitations						
Outfall No.	001	Design Flow (MGD)	.018			
Latitude	40° 35' 43.00"	Longitude	-79º 0' 21.00"			
Wastewater D	Description: Sewage Effluent					

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
CBOD₅	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
CBOD5	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
Solids	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
pН	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform				
(5/1 - 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform				
(5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform				
(10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform				
(10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Comments: TRC average monthly and imax will remain at 0.5 mg/L and 1.6 mg/L respectively from the previous renewal. A review of eDMR data shows that this facility should be able to continue achieving these limits.

Water Quality-Based Limitations

Comments: The treated effluent discharges to an intermittent stream just above Lake Margus, to Yellow Creek just above Yellow Creek Lake, where significant dilution exists (view Attachment A for visual reference). Water quality modeling was not conducted for this permit renewal due to treatment limits for intermittent streams being applied to this facility for CBOD₅, TSS, DO, and Ammonia Nitrogen. These limitations were developed in 1990 and based on available treatment at that time, the intermittent stream, and close proximity to Yellow Creek Lake, and should continue to protect stream quality. The applied limits are listed in the following table:

Pollutant	Limit (mg/L)	Instantaneous Maximum (mg/L)
CBOD5	10	20
TSS	10	20
DO	5	N/A
Ammonia Nitrogen	1.5	3.0

Best Professional Judgment (BPJ) Limitations

Comments: A SWRO Biologist study conducted in January 1991 determined that no phosphorus limit was required for Yellow Creek Lake. Based on this study and recent eDMR data, 1/year monitoring for total phosphorus and total nitrogen will be continued on this permit renewal.

E. Coli monitoring is a new parameter incorporated into this permit renewal at a frequency of 1/year, based on the SOP titled "Establishing Effluent Limitations for Individual Sewage Permits" for sewage facilities with design flows of 0.002 – 0.05 MGD.

Kiskiminetas River Basin

The Kiskiminetas River Watershed has a final TMDL for metals resulting from acid mine drainage (AMD). This facility is considered a "Negligible Discharge Facility" as identified in Appendix C of the Kiskiminetas-Conemaugh River Watershed TMDL, and the aggregate WLAs were based on the sum of the available information regarding flow from each facility multiplied by the applicable numeric water quality criterion. There is no reason to believe the Eastern Orthodox Foundation STP will be discharging at concentrations higher than assumed to develop the aggregate waste load allocation that was inclusive in the TMDL for minor sewage treatment facilities. The contribution for metals from a sewage plant of this nature is expected to continue being less than water quality criteria and therefore not contributing to stream impairment. The proposed permit requires monitoring of these pollutants. 1/year monitoring will remain in this renewal for the parameters Total Iron, Total Manganese and Total Aluminum for plants rated between 0.002 mgd up to 0.499 mgd.

Appendix G TMDL Allocated Concentration

	Allocated Concentration (mg/L)	eDMR Data (mg/L)
Total Aluminum	0.75	< 0.1
Total Iron	1.5	< 0.2
Total Manganese	1.0	< 0.02

Comments: The table above shows the allocated concentrations listed in Appledix G of the Kiskiminetas-Conemaugh River Watershed TMDL for this facility (NPDES Permit No. PA0095729), and the treated effluent concentrations from eDMR data.

Anti-Backsliding

Anti-backsliding does not apply since limits are not being relaxed.

Proposed Effluent Limitations and Monitoring Requirements

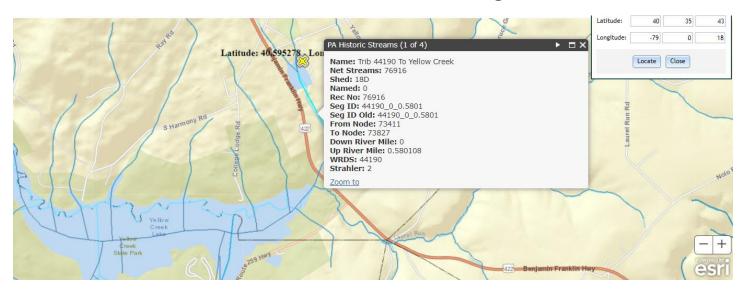
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). 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.

		Effluent Limitations							
Parameter	Mass Units	(lbs/day) ⁽¹⁾		Concentrat	tions (mg/L)		Minimum ⁽²⁾	Required	
i arameter	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum	Measurement Frequency	Sample Type	
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/month	Measured	
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	XXX	9.0	1/day	Grab	
DO	xxx	XXX	5.0 Daily Min	XXX	XXX	XXX	1/day	Grab	
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/day	Grab	
CBOD5	XXX	XXX	XXX	10.0	XXX	20.0	2/month	Grab	
TSS	XXX	XXX	XXX	10.0	XXX	20.0	2/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 Annl Avg	XXX	XXX	1/year	Grab	
Total Phosphorus	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab	
Ammonia	XXX	XXX	XXX	1.5	XXX	3.0	2/month	Grab	
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: Outfall 001 after disinfection.

Attachment A – eMAP Stream Designation



ATTACHMENT B

StreamStats REPORT – Discharge Point at RMI = 0.75 On Unnamed Trib 44190 to Yellow Creek

