

Application Type Renewal  
 Facility Type Non-Municipal  
 Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0042943  
 APS ID 956449  
 Authorization ID 1208918

**Applicant and Facility Information**

Applicant Name	<u>Owen J. Roberts School District</u>	Facility Name	<u>East Coventry Elementary School WWTP</u>
Applicant Address	<u>901 Ridge Road</u> <u>Pottstown, PA 19465</u>	Facility Address	<u>932 Sanatoga Road</u> <u>Pottstown, PA 19465</u>
Applicant Contact	<u>Michael Shelgren</u>	Facility Contact	<u>Michael Shelgren</u>
Applicant Phone	<u>(610) 469-5100</u>	Facility Phone	<u>(610) 469-5100</u>
Client ID	<u>73308</u>	Site ID	<u>254292</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>East Coventry Township</u>
Connection Status		County	<u>Chester</u>
Date Application Received	<u>November 29, 2017</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted		If No, Reason	
Purpose of Application	<u>Permit Renewal.</u>		

**Summary of Review**

Permittee submitted renewal of application for NPDES permit for the discharge of 0.0082 mgd of treated effluent from East Coventry Elementary School WWTP into an unnamed tributary (01639) to the Schuylkill River. The tributary is classified as HQ-TSF. The actual point of discharge is to an unlisted tributary (swale) that flows approximately 0.5 mi before intersecting the unnamed tributary 01639.

Currently, there is no discharge of treated sewage from the treatment plant. It is noted that the construction of new East Coventry Elementary School has been completed and the existing "old" East Coventry Elementary School is currently in limited use as storage and various training by School District and local Police Department. Therefore, the school district wants to keep the NPDES permit for limited use of the facility. The school district expects an increase in use along with meeting and recreational events. The current limited use is below minimum for the treatment plant to operate, which requires processing with "Pump and Haul" of the sewage. With anticipated increase in usage the permittee intends to return to normal operation of the existing WWTP. If and when decision is made to return the building to full occupancy, then the permittee intends to connect to the municipal sewer system and phase-out the WWTP. At that time, DEP will cancel this NPDES permit.

The sewage treatment plant is Extended air treatment plant with equalization tank, aeration tank, clarifier, sand filters, and chlorine tank. Sodium Hypochlorite is use for disinfection. The effluent limits for all the parameters will remain the same in this permit renewal and are based on previous pollution report. Monthly Monitoring for Total Phosphorus and Total Nitrogen have been added in this permit renewal and is consistent with our SOP.

Approve	Deny	Signatures	Date
X		Ketan Thaker / Project Manager <i>Ketan Thaker</i>	8/4/2020
X		<b>Pravin Patel</b> Pravin C. Patel, P.E. / Environmental Engineer Manager	8/4/2020

**Summary of Review**

Following are the effluent limits:

<b>Parameter</b>	<b>Effluent Limit (av. mo. mg/l)</b>	<b>Basis</b>
CBOD5 (5/1 to 10/31)	15.0	WQM Model
CBOD5 (11/1 to 4/30)	25.0	"
Ammonia-Nitrogen (11/1 to 4/30)	5.0	"
Ammonia-Nitrogen (5/1 to 10/31)	15.0	"
Total Suspended Solids	30.0	25 Pa Code 92a.47
Dissolved Oxygen	5.0	BPJ
Total Residual Chlorine	1.0	TRC Spreadsheet
pH (S.U.)	6.0 to 9.0 SU	25 Pa Code 92a.47, 95.2
Fecal Coliform (No./100 ml)	200 #/100 ml (Geo Mean)	25 Pa Code 92a.47
Total Phosphorus	Report	25 Pa Code 92a.61
Total Nitrogen	Report	25 Pa Code 92a.61

Act -14 notification to East Coventry Township and Chester County Commission on November 6, 2017 by certified mail.

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.

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0082</u>
Latitude	<u>40° 12' 11.35"</u>	Longitude	<u>-75° 36' 15.86"</u>
Quad Name	<u>Phoenixville</u>	Quad Code	<u>1741</u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>UNT to Schuylkill River (HQ-TSF)</u>	Stream Code	<u>01639</u>
NHD Com ID	<u>25989340</u>	RMI	<u></u>
Drainage Area	<u>&lt;0.1</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u></u>	Q <sub>7-10</sub> Basis	<u>Previous WQPR</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>HQ-TSF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>

Assessment Status Attaining Use(s)

Cause(s) of Impairment

Source(s) of Impairment

TMDL Status  Name

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

Nearest Downstream Public Water Supply Intake

PWS Waters	<u></u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u></u>

Treatment Facility Summary				
<b>Treatment Facility Name:</b> East Coventry Elementary School WWTP				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage			Gas Chlorine	0.0082
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0009		Not Overloaded		

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	See Permit	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	See Permit	Grab
TRC	XXX	XXX	XXX	1.0	XXX	2.0	See Permit	Grab
CBOD5 Nov 1 - Apr 30	XXX	XXX	XXX	25.0	XXX	50	2/month	8-Hr Composite
CBOD5 May 1 - Oct 31	XXX	XXX	XXX	15.0	XXX	30	2/month	8-Hr Composite
TSS	XXX	XXX	XXX	30.0	XXX	60	2/month	8-Hr Composite
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	15.0	XXX	30	2/month	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	5.0	XXX	10	2/month	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite