

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0253804  
APS ID 800774  
Authorization ID 1246947

**Applicant, Facility and Project Information**

Applicant Name	<u>Charles Goulding</u>	Facility Name	<u>Goulding SR STP</u>
Applicant Address	<u>2640 Weinman Road</u> <u>Wexford, PA 15090-7916</u>	Facility Address	<u>2640 Weinman Road</u> <u>Wexford, PA 15090</u>
Applicant Contact	<u>Charles Goulding</u>	Facility Contact	<u>Charles Goulding</u>
Applicant Phone	<u>412-889-7670</u>	Facility Phone	<u>412-889-7670</u>
Client ID	<u>258409</u>	Site ID	<u>687604</u>
SIC Code		Municipality	<u>Franklin Park Borough</u>
SIC Description		County	<u>Allegheny</u>
Date Application Received	<u>September 28, 2018</u>	WQM Required	
Date Application Accepted	<u>October 3, 2018</u>	WQM App. No.	
Project Description	<u>Renewal application of NPDES Permit PA0253804</u>		

**Summary of Review**

This application is for a renewal of an NPDES Permit which was previously issued on March 18, 2014. The Single Residence Sewage Treatment Plant has a discharge of 0.0004 MGD to East Branch Big Sewickley Creek, which is classified as Trout-Stock Fishery. The treatment process consists of a septic tank, AdvanTex fixed-film media unit and ultraviolet disinfection.

The original NPDES permit, fact sheet and DMR show the facility has average monthly design flow of 0.0005 MGD. WQM7.0 Model was run in 2008 with 0.0005 MGD. But the Sewage Planning Module approved by ACHD on 10/2/2006 shows the facility was approved for 0.0004 MGD. This renewal permit is subjected to a design flow of 0.0005 MGD.

The original permit imposed effluent limitations based on WQM 7.0 and Chapter 93 Criteria. The AdvanTex fixed-film media unit is capable to meet the following effluent limitations for SR STP:

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate / Measured*	1/month	1/year
BOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
TRC (mg/L)	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L AML for SFTFs		Grab	1/month	1/month
Fecal Coliform (No./100 ml)	200 Geometric Mean / Average**		Grab	1/month	1/year

\* Use Estimate for SRSTPs and Measured for SFTFs.

\*\*Use the Geometric Mean if the Sampling Frequency is at least 1/month. Use Annual Average, Semi-Annual Average or Quarterly Average if the Sampling Frequency is less than 1/month.

Approve	Deny	Signatures	Date
X		/s/ Harris Mahmud / Permit Reviewer	September 17, 2019
X		/s/ Donald J. Leone, P.E. / Environmental Engineer Manager	9/17/2019

### Summary of Review

The effluent limitations from previous permit will be imposed in this permit as the facility is already meeting the above limitations for SR STP. Only monitoring and reporting for UV Transmittance (%) for this permit is not imposed as for SR STP, it is not a requirement according to the small flow standard operating procedure.

The facility is registered with eDMR but no report has been submitted from 2018 to 2019. The 2017 report indicates the facility has no effluent limit violations. No compliance issues exist with this facility, a compliance check report has been requested from Operations on 9/16/2019.

The applicant has complied with Act 14.

Previous Pollution Report:



Previous Pollution  
Report PA0253804

### 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>0.0005</u>
Latitude	<u>40° 36' 45.93"</u>	Longitude	<u>-80° 7' 36.21"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>East Branch Big Sewickley Creek (TSF)</u>	Stream Code	<u>36621</u>
NHD Com ID	<u>99681060</u>	RMI	<u>1.17</u>
Drainage Area	<u>5.14</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0059</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.0303</u>	Q <sub>7-10</sub> Basis	<u>Previous Fact Sheet</u>
Elevation (ft)	<u>980</u>	Slope (ft/ft)	_____
Watershed No.	<u>20G</u>	Chapter 93 Class.	<u>Trout Stocking</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	_____	Name	_____
Background/Ambient Data		Data Source	
pH (SU)	_____		_____
Temperature (°F)	_____		_____
Hardness (mg/L)	_____		_____
Other:	_____		_____
Nearest Downstream Public Water Supply Intake	<u>NOVA Chemical Company</u>		
PWS Waters	<u>Ohio River</u>	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	<u>23</u>

Changes Since Last Permit Issuance: None

Other Comments: None

**Treatment Facility Summary**

**Treatment Facility Name:** Goulding Sr STP

WQM Permit No.	Issuance Date
0208401	July 31, 2008

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Septic Tank Media Filter	Ultraviolet	0.0005

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0005	1.02	Not Overloaded	N/A	N/A

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	The facility is registered with eDMR but no report has been submitted from 2018 to 2019. The 2017 report indicates no effluent limit violations with this facility.
<b>Summary of Inspections:</b>	No compliance issues exist with this facility, a compliance check report has been requested from Operations on 9/16/2019.

Other Comments: None

**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	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/year	Grab
Fecal Coliform (No./100 ml) Jan 1 - Jun 30	XXX	XXX	XXX	2000	XXX	10000	1/year	Grab
Fecal Coliform (No./100 ml) Jul 1 - Dec 31	XXX	XXX	XXX	200	XXX	1000	1/year	Grab
Ammonia	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: Monitoring and reporting for UV Transmittance (%) for this permit is not imposed as for SR STP, it is not a requirement according to the small flow standard operating procedure.