

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0253847
APS ID 1000900
Authorization ID 1286944

Applicant, Facility and Project Information

Applicant Name	<u>Hohman Frederick A</u>	Facility Name	<u>Wenatchee 17</u>
Applicant Address	<u>26 Windihill Drive</u> <u>Greensburg, PA 15601</u>	Facility Address	<u>26 Windihill Drive</u> <u>Greensburg, PA 15601-1043</u>
Applicant Contact	<u>Fred Hohman</u>	Facility Contact	<u>Reginald Musser</u>
Applicant Phone	<u>(724) 691-2185</u>	Facility Phone	<u>(814) 754-8477</u>
Client ID	<u>314128</u>	Site ID	<u>704755</u>
Municipality	<u>Indian Lake Borough</u>	County	<u>Somerset</u>
Date Application Received	<u>September 3, 2019</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>September 4, 2019</u>	WQM App. No.	<u>NA</u>
Project Description	<u>See below.</u>		

Summary of Review

The permittee requests to renew NPDES permit PA0253847. The NPDES permit was originally issued to G. Lynn Waugaman on October 2, 2008 and renewed/transferred to Mr. Hohman on February 6, 2015. The NPDES permit expired on February 29, 2020.

Discharge is to an unnamed tributary of Indian Lake which is classified as a cold-water fishery. Secondary effluent limitations were previously imposed. The original secondary limits were imposed because at that time they were considered appropriate for a SFTF discharge to a perennial stream. Although the U.S.G.S. Central City, PA topographic map does not picture a stream at the proposed discharge location, the design engineer previously provided a Planning Module Plot Plan drawing (dated 1/4/08) which shows a stream does exist. (This is why a stream code is not listed in the permit). Also, former DEP Planning Specialist Robert George previously described the receiving tributary as having a defined channel with a bedrock bottom approximately 5-feet wide and considered it to be a perennial stream. Refer to the Field Narrative Form dated 2-7-08 that is enclosed with the attached Pollution Report.

The existing treatment process consists of a 1,000-gallon 2-compartment septic tank, an, a Bio-Dynamic Model LF-1000 chlorinator (rated at 1,500 gpd), and a 300-gallon chlorine contact tank. The single residence sewage treatment plant replaced a malfunctioning on-lot system. This facility is not eligible for a general NPDES permit because a peat biofilter is utilized. The plant serves a 3-bedroom dwelling and is rated for a discharge flow of 0.0004 MGD. Part II Permit No. 5608403 authorized construction of the facility and was originally issued to G. Lynn Waugaman on October 2, 2008. That permit was transferred to Mr. Hohman on February 6, 2015.

The proposed effluent limits, which are more stringent, are consistent with the SOP New and Reissuance Individual SFTF NPDES Permits Revised May 17, 2019. They are to be established in all renewed permits unless site-specific considerations such as TMDLs or anti-degradation applies. For this permit, TMDLs or anti-degradation do not apply. In addition, the BOD5 and TSS limitations are now applicable because the facility was constructed after publication of the Small Flow Treatment Facilities Manual (362-0300-002). That manual was published on December 2, 2006 which is prior to the WQM permit being approved which as stated above was October 2, 2008. ECOFLO STB-650 Peat Biofilters are also capable of meeting the tertiary TSS limitations. According to the SOP, existing less stringent monitoring frequencies may be re-imposed if the existing facility has been well-maintained, however they are the same except for Total Residual Chlorine. This is a parameter that requires regular maintenance by ensuring tablets are kept in the chlorinator and thus this permit writer is recommending the sampling be increased from 1/quarter to monthly.

This writer researched Ecoflo® Biofilter systems and learned the life span of the filtering media is typically around 8-years. If not replaced, the condition of the peat media may reduce the treatment performance of the system. An analysis of the filter

Summary of Review

condition can be done, upon demand from the owner or licensed service provider, by Premier Tech Aqua (PTA). PTA can do the filter media assessment for free if it has annual reports and pictures coming from the maintenance program in its possession. The analysis can apparently be done by assessing and comparing the evolution of the filter media condition every year. The permittee was also reminded that the effluent filter must be cleaned every time the septic tank is pumped, or as per manufacturer's specifications or local jurisdiction requirements. PTA recommends that the effluent filter be inspected at least once a year and, if required, cleaned before being put back in place. The permittee was made aware of this information in the permit cover letters. If these steps are taken, the permittee should consistently comply with the more stringent effluent limitations.

This draft permit is approved during the Coronavirus pandemic requiring DEP employees to telework. Electronic signatures are considered appropriate for the permit documents. An electronic copy of the communication that transmitted approval of the draft permit documents has been saved and is included with the file. Mr. Hohman was asked in the draft permit cover letter to confirm that he will have no issue with DEP issuing the final permit documents electronically should the office still be closed.

The permittee complied with Act 14 requirements.

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
x		<i>David R. Ponchione</i> David R. Ponchione / Project Manager	June 22, 2020
x		<i>Christopher Kriley</i> Christopher Kriley for Donald J. Leone, P.E. / Environmental Engineer Manager	Still need

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 1' 53.00"</u>	Longitude	<u>-78° 51' 38""</u>
Quad Name	<u>Central City</u>	Quad Code	<u>1815</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Indian Creek</u>	Stream Code	<u>NA-No stream shown on topographic map</u>
NHD Com ID	<u>123716711</u>	RMI	<u>0.19</u>
Drainage Area	<u>NA</u>	Yield (cfs/mi ²)	<u>NA</u>
Q ₇₋₁₀ Flow (cfs)	<u>Stream considered perennial</u>	Q ₇₋₁₀ Basis	<u>NA</u>
Watershed No.	<u>18E</u>	Chapter 93 Class.	<u>Cold Water Fishes</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Attaining Use</u>		
Nearest Downstream Public Water Supply Intake	<u>Hooversville Municipal Authority</u>		

Changes Since Last Permit Issuance: None

Operations Compliance Check Summary Report

Facility: Fred Hohman STP

NPDES Permit No.: PA0253847

Compliance Review Period: 6/15 – 6/20

Inspection Summary:

INSP ID	INSPECTED DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC
2997734	01/29/2020	Compliance Evaluation	PA Dept of Environmental Protection	No Violations Noted
2748814	06/19/2018	Compliance Evaluation	PA Dept of Environmental Protection	No Violations Noted

Violation Summary:

No Violations noted

Open Violations by Client ID:

No open violations for Client ID 314128

Enforcement Summary:

No enforcements

DMR Violation Summary:

No DMR exceedances

Compliance Status:

In compliance

Completed by: John Murphy

Completed date: 06/11/20

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	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
Total Residual Chlorine (TRC)	XXX	XXX	Report Avg Mo	XXX	XXX	XXX	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments:

- The units for Fecal Coliform are now “No./100 ml” in lieu of “CFU/100 ml”.
- Effluent limitations for pH are to be reported as “Instantaneous Minimum” in lieu of “Minimum”.
- To be consistent with the SOP, “Report” is required for the Flow parameter in lieu of the design flow.
- BOD5 is now required to be sampled in lieu of CBOD5.
- There are no longer seasonal Fecal Coliform limits.
- As explained above, tertiary limits for BOD5 and TSS are now required (10 mg/l each parameter) in lieu of secondary limits CBOD5 25 mg/l, TSS 30 mg/l.

