

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0265985
APS ID 856528
Authorization ID 1291874

Applicant, Facility and Project Information

Applicant Name	<u>Stonersville Social Club</u>	Facility Name	<u>Stonersville Social Club</u>
Applicant Address	<u>5580 Boyertown Pike</u> <u>Birdsboro, PA 19508-8626</u>	Facility Address	<u>5580 Boyertown Pike</u> <u>Birdsboro, PA 19508-8626</u>
Applicant Contact	<u>Christopher Witthaut</u>	Facility Contact	<u>Christopher Witthaut</u>
Applicant Phone	<u>(484) 797-3395</u>	Facility Phone	<u>(610) 689-0000</u>
Client ID	<u>315674</u>	Site ID	<u>787837</u>
SIC Code	<u>4952</u>	Municipality	<u>Exeter Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Berks</u>
Date Application Received	<u>October 8, 2019</u>	WQM Required	<u>0614402, issued Feb 20, 2015</u>
Date Application Accepted	<u>November 1, 2019</u>	WQM App. No.	<u>-</u>
Project Description	<u>Renewal of NPDES permit for SFTF</u>		

Summary of Review

Domestic wastewater is generated by a fire hall and social club, with a design flow of 1000 gallons per day (0.001 MGD). A failing on-lot septic system was replaced by a textile media (Orenco) treatment system in 2015. Treatment includes UV disinfection. The last NPDES permit was issued February 20, 2015. It was administratively extended past its expiration date of February 29, 2020.

The discharge is to Owatin Creek at 3.2 River Mile Index (RMI) whose designated water use is Warm Water Fishes (WWF). According to eMapPA, the Owatin Creek both upstream and downstream of the facility location was assessed in 2015 as impaired for recreational use due to pathogens. No TMDL has been developed. Owatin Creek joins Monocacy Creek at 2.7 RMI which joins the Schuylkill River at 61.2 RMI. (Receiving water is shown on eMapPA as Owatin Creek, NHD ComID #25963742, Reach 02040203001119; may also be called UNT of Molasses Creek.)

The last DEP inspection was conducted May 11, 2015. (DEP's Operations staff was notified.)

The permit limits from the 2015 NPDES permit have been carried forward without change. The pH limits and Fecal limits are State regulations for sewage discharges. The BOD and TSS limits are the same as those in DEP's general permit for Small Flow Treatment Systems, known as PAG-04. The BOD and TSS limits are considered Best Available Technology limits. Third-party testing for Orenco systems yielded results under 10 mg/l as an average for CBOD5/BOD5 and for TSS. Whereas the PA third-party testing was for single-family homes with average flows under 400 gpd, other objective testing results included systems with average daily flows up to 2200 gpd and still resulted in effluent concentrations under 10 mg/l for BOD and TSS. The DEP's PAG-04 general permit also covers treatment systems up to 2000 gpd. This facility is not eligible for the PAG-04 general permit because the textile media filter system is not one of the designs specifically included in the DEP's Small Treatment Facilities Manual (SFTF), 362-0300-002, at this time.

Approve	Deny	Signatures	Date
x		<i>Bonnie J. Boylan</i> Bonnie J. Boylan / Environmental Engineering Specialist	February 5, 2021
		Daniel W. Martin, P.E. / Environmental Engineer Manager	

Summary of Review

The monitoring frequencies have not been changed from the previous permit except for pH: it was changed from once per month to twice per year, the same frequency as the other parameters. The monitoring frequencies recommended by DEP's Standard Operating Procedure (SOP) for New and Reissuance of Small Flow Treatment Facility Individual NPDES Permit Applications, Version 1.7, are once per month for SFTFs that are not single residences and once per year for single residence treatment systems (where the design flow is typically 0.0004 MGD). The original application in 2014 had presented the annual average flow as 0.00035 MGD based on water meter readings. Also, the permittee's consultant had expected to be able to obtain the PAG-04 general permit which includes reduced sampling requirements. DEP allowed twice per year sampling as the monitoring frequencies. If there are operational issues, however, this frequency could be increased in the future.

Delaware River Basin Commission (DRBC)

The receiving stream flows to the Schuylkill River and is within the Delaware River watershed. In accordance with state regulations, therefore, this Fact Sheet and the draft permit will be forwarded to DRBC. Any comments from DRBC will be considered.

Unresolved Violations

There are no open violations issued by DEP at this time. The permittee has been delinquent in submitting AMRs. DEP Operations staff were already aware of this fact and will be following up. Sampling results from 2016 through 2019 and maintenance records from 2015 through 2018, however, were included in the permit renewal application. There were permit exceedances for BOD (although the permittee mistakenly sampled for CBOD₅), TSS, and Fecal Coliform.

Despite the failure to submit AMRs or to consistently meet their permit limits, the permit renewal is still needed: sewage is still being generated and needs to be treated, monitored, and discharged.

Anti-backsliding

No limits in the renewal permit are less stringent than the previous permit.

Antidegradation

The effluent limits in this permit have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. No High Quality Waters are impacted by this discharge. No Exceptional Value Waters are impacted by this discharge. There is no applicable TMDL. The receiving water was assessed as impaired due to pathogens. This permit includes permit limits for Fecal Coliform, both as an average Statistical Base Code and as an Instantaneous Maximum. The treatment system includes UV disinfection.

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.

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 as needed 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	Instant. Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/year	Grab
BOD5	XXX	XXX	XXX	10	XXX	20	2/year	Grab
TSS	XXX	XXX	XXX	10	XXX	20	2/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/year	Grab

Compliance Sampling Location:

at discharge from the treatment facility

Other Comments:

the samples should be spaced, with one sample collected during January through April and one sample collected during May through September