

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. PA0112950  
APS ID 1002432  
Authorization ID 1289674

**Applicant, Facility and Project Information**

Applicant Name	<u>7 Eleven Inc.</u>	Facility Name	<u>7 Eleven Store #40415</u>
Applicant Address	<u>2014 Milta Hill Road</u> <u>Romansville, PA 19320-4789</u>	Facility Address	<u>4328 State Route 147</u> <u>Herndon, PA 17830</u>
Applicant Contact	<u>Mark Meleski</u>	Facility Contact	<u></u>
Applicant Phone	<u>(508) 958-6767</u>	Facility Phone	<u></u>
Client ID	<u>349962</u>	Site ID	<u>257810</u>
SIC Code	<u>5541</u>	Municipality	<u>Lower Mahanoy Township</u>
SIC Description	<u>Gasoline service station</u>	County	<u>Northumberland</u>
Date Application Received	<u>September 23, 2019</u>	WQM Required	<u>no</u>
Date Application Accepted	<u>September 25, 2019</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal of Existing NPDES Permit</u>		

**Summary of Review**

The above applicant has submitted an NPDES renewal application for an existing discharge of treated sewage at their existing facility. The facility is a gasoline service station and convenient market along State Route 147 in Lower Mahanoy Township Northumberland County. The sewage treatment plant that serves the facilities restrooms consist of a septic tank, in-ground sand filter, and erosion chlorinator disinfection.

Based on the following review, I recommend the permit be drafted and published in the PA Bulletin for the required 30 day public comment period.

The SOP for new and reissuance small flow treatment facility individual NPDES permit applications was followed during the review of the application.

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
		/s/ Chad A. Fabian Chad A. Fabian / Project Manager	
		/s/ Nicholas W. Hartranft, P.E. Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0012</u>
Latitude	<u>40° 41' 15.28"</u>	Longitude	<u>-76° 49' 47.49"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Fidlers Run</u>	Stream Code	<u>17540</u>
NHD Com ID	<u>54969937</u>	RMI	<u>1.5</u>
Drainage Area	<u>5.6</u>	Yield (cfs/mi <sup>2</sup> )	<u>n/a</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.22</u>	Q <sub>7-10</sub> Basis	<u>USGS Streamstats (attached)</u>
Elevation (ft)	<u>500</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>6-B</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>WWF</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>none</u>
Assessment Status	<u>Attaining Use(s)</u>		
Nearest Downstream Public Water Supply Intake		34 miles downstream on the Susquehanna River	

Changes Since Last Permit Issuance: none

Compliance History	
<b>Summary of DMRs:</b>	The facility is a small flow treatment facility (SFTF) that is required to submit an Annual Maintenance Report (AMR). AMRs have been submitted with no indication of any violations.
<b>Summary of Inspections:</b>	The Department performed an inspection at the facility on 2/5/2020. No violations were found during the inspection. No impact to the receiving stream, Fidlers Run, were observed during the inspection. The inspection also notes that the septic tank was pumped out during the fall of 2019.

**Existing Permit Requirements**

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	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/month	Grab
TRC	XXX	XXX	XXX	1.0 Avg Mo	1.5 Daily Max	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	30.0	XXX	XXX	1/quarter	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab

The above existing effluent limitations for TSS and CBOD5 were developed previously the Department's WQM model. The Department's WQM7.0 model allows the Department to evaluate point source discharges of dissolved oxygen (DO), carbonaceous BOD (CBOD<sub>5</sub>), and ammonia-nitrogen (NH<sub>3</sub>-N) into free-flowing streams and rivers. To accomplish this, the model simulates two basic processes: the mixing and degradation of NH<sub>3</sub>-N in the stream and the mixing and consumption of DO in the stream due to the degradation of CBOD<sub>5</sub> and NH<sub>3</sub>-N. The result of the previous model did not recommend any Water Quality Based Effluent Limitations (WQBELs) be established. Therefore, the above technology limitations applied per 25 Pa Code 92a.47(a).

The above fecal coliform limitations are in accordance with 25 Pa Code 92a.47(a)(4). pH limitations are per 95.2(1). The existing TRC effluent limits were the established technology limits at the original permit issuance.

**Anti-Back Sliding**

No relaxation of any effluent limitation is proposed in this draft permit.

**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 Quarterly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/month	Grab
TRC	XXX	XXX	XXX	0.5 Avg Mo	1.3 Daily Max	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	XXX	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	XXX	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab

Compliance Sampling Location: 001

The following are the proposed changes in the draft permit:

- TRC effluent limitations will be adjusted to meet the current technology standard found in 25 Pa Code 92a.48(b)(2).
- Per the Department's SOP for SFTFs, CBOD5 and TSS effluent sampling frequencies have been changed to 1/month.

There are no other proposed changes. It is recommended the permit be drafted as described above.