

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0261181
APS ID 653179
Authorization ID 1278071

Applicant, Facility and Project Information

Applicant Name	<u>Michael F & Cynthia George Camellerie</u>	Facility Name	<u>Camellerie Residence</u>
Applicant Address	<u>150 Corey Place</u> <u>Huntington Station, NY 11746-2021</u>	Facility Address	<u>2470 Enola Road</u> <u>Carlisle, PA 17013-8622</u>
Applicant Contact	<u>Michael & Cynthia Camellerie</u>	Facility Contact	<u>Michael & Cynthia Camellerie</u>
Applicant Phone	<u>(516) 972-6340</u>	Facility Phone	<u>(516) 972-6340</u>
Client ID	<u>266130</u>	Site ID	<u>709737</u>
SIC Code	<u>6514</u>	Municipality	<u>North Middleton Township</u>
SIC Description	<u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Cumberland</u>
Date Application Received	<u>June 10, 2019</u>	WQM Required	<u>N/A</u>
Date Application Accepted	<u>June 26, 2019</u>	WQM App. No.	<u></u>
Project Description	<u>NPDES permit renewal.</u>		

Summary of Review

Michael F & Cynthia George Camellerie has applied to the Pennsylvania Department of Environmental Protection (DEP) for reissuance of its NPDES permit. It is for discharge of treated sanitary wastewater from a single residence sewage treatment plant (SRSTP) located in North Middleton Township, Cumberland County. The permit was last issued on August 29, 2014 and became effective on September 1, 2014. The permit expired on August 31, 2019.

The property location is Mr. Camellerie's second home. He resides only 20% of the time.

Changes from the previous permit: Unit of Fecal Coliform changed from CFU/100 ml to No./100 ml.

Based on the review outline in this fact sheet, it is recommended that the permit be drafted and published in the Pennsylvania Bulletin for public comments for 30 days.

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		Hilary H. Le / Environmental Engineering Specialist	November 1, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Clean Water Program Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0005
Latitude	40° 15' 53.05"	Longitude	-77° 15' 9.02"
Quad Name	Landisburg	Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Conodoguinet Creek (WWF, MF)	Stream Code	10290
NHD Com ID	56405003	RMI	4.1 miles
Drainage Area	0.58 mi. ²	Yield (cfs/mi. ²)	0.013 cfs/mi. ²
Q7-10 Flow (cfs)	0.0075	Q7-10 Basis	USGS StreamStats
Elevation (ft)	522.72	Slope (ft/ft)	
Watershed No.	07B	Chapter 93 Class.	Warm Water Fishes, Migratory Fishes
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status	Final, 04/09/2001	Name	Conodoguinet Creek Watershed
Nearest Downstream Public Water Supply Intake	Carlisle Water Treatment Plant, Carlisle Borough		
PWS Waters	Conodoguinet Creek	Flow at Intake (cfs)	
PWS RMI	35.95 miles	Distance from Outfall (mi)	Approximate 8 miles

Changes Since Last Permit Issuance: none

Drainage Area:

The discharge is to the headwater of Conodoguinet Creek at RMI 4.1 miles. A drainage area at the point of discharge is estimated to be 0.58 mi.² according to USGS StreamStats available at <https://streamstats.usgs.gov/ss/>.

Streamflow:

USGS StreamStats produced a Q7-10 flow of 0.0075 cfs at the point of discharge.

Conodoguinet Creek:

Under 25 Pa Code § 93.9o, Unnamed Tributary to Conodoguinet Creek is designated as warm water and migratory fishes. No special protection water(s) is impacted by this discharge. No Class A Wild Trout fishery is impacted by this discharge. DEP's latest integrated report prepared in 2016 showed Conodoguinet Swale is not impaired and the discharge is located in a stream segment listed as attaining uses.

Public Water Supply Intake:

The fact sheet prepared for the renewal permit indicated that the nearest downstream public water supply intake is Carlisle Water Treatment Plant, Carlisle Borough located on Conodoguinet Creek, approximately 8 miles from the discharge. Considering dilution, the discharge is not expected to impact the water supply.

Compliance History	
Summary of DMRs:	AMRs have been consistently submitted to DEP.
Summary of Inspections:	<p>Last DEP inspection was on 8/24/2018. No violations were noted at the time of inspection.</p> <p>The field for the sample collected on 8/14/2018 indicated that CBOD₅ was 6.98 mg/L, and TRC was 0.07 mg/L. These results indicated compliance with permit limits.</p> <p>The lab report for the sample included with application on 5/30/2019 indicated that BOD₅ was 2.4 mg/L, TSS was 2.0 mg/L, Fecal Coliform was 2 CFU/100 ml, and TRC was 2.5 mg/L. These results indicated compliance with permit limits except TRC limit. Because the permit limit of TRC is 0.02 mg/L average monthly.</p>
Other Comments	There are no open violations associated to facility or permittee.

Treatment Facility Summary

The treatment system consists of a two-compartment septic tank of 1250 gallons with septic tank solids retainer, an Ecoflo peat filter, a disinfection chlorination tank, and outfall. WQM Nos. 2108403 were issued on 11/19/2008.

Development of Effluent Limitations and Monitoring Requirements

The reviewer notes that the existing CBOD₅, and TSS monitoring frequencies and limits are consistent with the monitoring frequencies and limits recommended in DEP SOP No. BPNPSM-PMT-003 for SFTFs revised on May 17, 2019. The monitoring frequencies and limits from the previous permit will remain the same.

Although, Small Flow Facilities do not need a TRC limit, since the facility has been reporting it, then the facility can continue to report.

For Flow, it is not necessary to perform daily maximum monitoring since the treated effluent is less than 2,000 GPD. The permit included a non-seasonal fecal coliform limit of 200 / 100 mL which is more stringent than the seasonal fecal limits (200 / 100 mL for summer; and 10,000 / 100 mL for winter). The reviewer notes that the frequency of sampling for Flow, and Fecal Coliform are recommended to remain the same as the existing permit.

Chesapeake Bay Requirements

No nutrient monitoring requirement is recommended for this facility. Facilities that are designed based on a flow of less than or equal to 2,000 GPD or considered as SRSTPs are exempt from the Bay requirements.

Total Maximum Daily Load (TMDL)

The discharge is located in a stream segment listed as attaining uses; therefore, no TMDL has been taken into consideration during this review.

Antidegradation Requirements

All effluent limitations and monitoring requirements 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.

Other Considerations

No Class A Wild Trout Fishery is impacted by this discharge. Considering dilution and distance from the intake, the discharge is not expected to affect the water supply.

Existing Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/year	Estimate
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
CBOD ₅	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200.0 Geo Mean	XXX	XXX	1/year	Grab

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	Daily Maximum	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/year	Estimate
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
BOD ₅	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location:

Other Comments:

This is topographic of the facility.

