

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0266051
APS ID 1046116
Authorization ID 1366301

Applicant, Facility and Project Information

Applicant Name	<u>Doris K Lerew</u>	Facility Name	<u>Kendor Summit Lots 3i & 4i</u>
Applicant Address	<u>656 Latimore Road</u> <u>York Springs, PA 17372-9775</u>	Facility Address	<u>Lamplite Drive</u> <u>Carlisle, PA 17013</u>
Applicant Contact	<u>Doris Lerew</u>	Facility Contact	<u>Doris Lerew</u>
Applicant Phone	<u>(717) 512-6648</u>	Facility Phone	<u>(717) 512-6648</u>
Client ID	<u>365046</u>	Site ID	<u>790150</u>
SIC Code	<u>4952</u>	Municipality	<u>North Middleton Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Cumberland</u>
Date Application Received	<u>August 23, 2021</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>August 27, 2021</u>	WQM App. No.	<u>2115405 T-1</u>
Project Description	<u>Renewal and transfer of an SRSTP permit.</u>		

Summary of Review

This report supports the issuance of renewal NPDES and WQM permits for discharge of treated sewage from the single residence sewage treatment plant (SRSTP) located in North Middleton Township, Cumberland County. The Department received new NPDES and WQM permit applications on August 23, 2021 by Marshall Engineering on behalf of Mr. Albert C. Kuhn and Doris Lerew. Individual NPDES and WQM permits are required since the discharge will be from the facility other than those addressed in the Department's technical guidance no. 362-0300-002.

Both the NPDES and WQM permits are also being transferred to Doris Lerew. Based on the review outlined in this fact sheet, it is recommended that the NPDES permit be drafted and published in the PA 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.

Drainage Area

The discharge will be to Conodoguinet Creek at RMI 39.99. A drainage area upstream of the proposed discharge point is determined to be 370 sq.mi. based on USGS PA StreamStats (<http://water.usgs.gov/osw/streamstats/pennsylvania.html>).

Approve	Deny	Signatures	Date
X		<i>Jared Lescavage</i> Jared Lescavage / Project Manager	January 12, 2022
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	01/12/2022

Summary of Review

Streamflow

Q7-10 of is determined at the proposed discharge point. This Q7-10 was directly taken from the USGS PA StreamStats.

Public Water Supply

Although the nearest downstream intake, Carlisle Borough Municipal Authority, is located about 4.0 miles from the proposed discharge point, the discharge is not expected to significantly impact the intake considering its quantity and dilution with Conodoguinet Creek.

303(d) List

The discharge will be located in a stream segment listed as attaining uses.

Compliance History

No Compliance History is available as the facility has not been built yet.

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.

Anti-Degradation Requirements

The discharge is to non-special protection waters/watershed. No HQ/EV waters are impacted by this discharge. The effluent limits for this discharge 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.

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 13' 19.06"</u>	Longitude	<u>-77° 12' 54.67"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Conodoguinet Creek (WWF, MF)</u>	Stream Code	<u>10194</u>
NHD Com ID	<u>56406381</u>	RMI	<u>39.99</u>
Drainage Area	<u>370 sq.mi.</u>	Yield (cfs/mi ²)	<u>0.125</u>
Q ₇₋₁₀ Flow (cfs)	<u>46.1</u>	Q ₇₋₁₀ Basis	<u>USGS PA StreamStats</u>
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>WWF, MF</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>Carlisle Borough Municipal Authority</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Flow at Intake (cfs)	<u>48</u>
PWS RMI	<u>35.95</u>	Distance from Outfall (mi)	<u>4.0</u>

Changes Since Last Permit Issuance: The sampling requirement of pH has been added into the permit. At the time of the previous issuance of the NPDES permit, there was no requirement to report pH, but since then, the limit was made a requirement for all SRSTP and SFTF permits.

Other Comments: N/A

Compliance History	
Summary of DMRs:	N/A
Summary of Inspections:	N/A

Other Comments: **N/A**

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	5.0 Inst Min	XXX	9.0 Annl Avg	XXX	1/year	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: N/A