

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0221988
APS ID 1079653
Authorization ID 1424697

Applicant, Facility and Project Information

Applicant Name	<u>North Mem Animal Hospital Inc.</u>	Facility Name	<u>North Mem Animal Hospital</u>
Applicant Address	<u>143 State Route 18</u> <u>New Wilmington, PA 16142-3713</u>	Facility Address	<u>143 State Route 18</u> <u>New Wilmington, PA 16142-3713</u>
Applicant Contact	<u>Leigh Ann Myers</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 656-0980</u>	Facility Phone	<u></u>
Applicant Email	<u>lamnmah@comcast.net</u>		
Client ID	<u>133358</u>	Site ID	<u>475303</u>
SIC Code	<u>4952,8069</u>	Municipality	<u>Wilmington Township</u>
SIC Description	<u>Services - Specialty Hospitals, Except Psychiatric, Trans. & Utilities - Sewerage Systems</u>	County	<u>Lawrence</u>
Date Application Received	<u>January 23, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>February 27, 2023</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal NPDES Permit for a Small Flow Treatment Facility</u>		

Summary of Review

Renewal Permit for a SFTF consisting of: A sub-surface sand filter system with flow entering a 1000-gallon septic tank, a dosing pump and dosing tank, a 600 square foot subsurface sand filter, a tablet chlorinator and a chlorine contact tank before being discharged.

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (133358) as of March 10, 2023 [4/18/203 CWY](#)

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
✓		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer Trainee	March 10, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/18/2023

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>.0004</u>
Latitude	<u>41° 5' 14.5"</u>	Longitude	<u>-80° 21' 31.5"</u>
Quad Name	<u>New Castle North</u>	Quad Code	<u>41080A3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Shenango River (WWF)</u>	Stream Code	<u>35866</u>
NHD Com ID	<u>130032030</u>	RMI	<u>0.6400</u>
Drainage Area	<u>0.0396</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00396</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1195</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-A</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>---</u>	Exceptions to Criteria	<u>---</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>---</u>		
Source(s) of Impairment	<u>---</u>		
TMDL Status	<u>---</u>	Name	<u>---</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	<u>Default</u>	
Temperature (°F)	<u>25</u>	<u>Default</u>	
Hardness (mg/L)	<u>100</u>	<u>Default</u>	
Other:	<u></u>	<u></u>	
Nearest Downstream Public Water Supply Intake		<u>Pennsylvania American Water Company - New Castle</u>	
PWS Waters	<u>Shenango River</u>	Flow at Intake (cfs)	<u>100</u>
PWS RMI	<u>5.1</u>	Distance from Outfall (mi)	<u>7.5 (Approximately)</u>

Changes Since Last Permit Issuance: None. *Monitoring frequency was changed from once per year to once per month during the last permit renewal cycle in accordance with the Department's SOP.*

Other Comments: None.

Compliance History

DMR Data for Outfall 001 (from January 1, 2022 to December 31, 2022)

Parameter	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22
Flow (MGD) Average Monthly	0.00152 2	0.00076 1	0.00007 6	0.00019 0	0.00076 1	0.00076 1	0.00038 0	0.00076 1	0.00038 0	0.00163 0	0.00175 6	0.00163 9
pH (S.U.) Minimum	7.41	7.30	7.64	7.20	6.99	7.08	7.44	7.41	7.43	7.54	7.06	7.51
pH (S.U.) Maximum	7.41	7.30	7.64	7.20	6.99	7.08	7.44	7.41	7.43	7.54	7.06	7.51
TRC (mg/L) Average Monthly	0.04	0.08	0.01	0.02	0.14	0.33	0.4	0.39	0.28	0.06	0.49	0.05
TRC (mg/L) Instantaneous Maximum	0.04	0.08	0.01	0.02	0.14	0.33	0.4	0.39	0.28	0.06	0.49	0.05
BOD5 (mg/L) Average Monthly	< 4.1	< 4.3	< 4.4	< 4.0	< 3.2	< 4.0	< 4.0	< 3.7	< 4.0	< 3.8	< 3.2	< 3.6
BOD5 (mg/L) Instantaneous Maximum	< 4.1	< 4.3	< 4.4	< 4.0	< 3.2	< 4.0	< 4.0	< 3.7	< 4.0	< 3.8	< 3.2	< 3.6
TSS (mg/L) Average Monthly	< 4.0	4.0	< 4.0	< 3.8	< 4.0	< 4.0	< 4.0	E	< 4.0	< 4.0	< 4.0	< 4.0
TSS (mg/L) Instantaneous Maximum	< 4.0	4.0	< 4.0	< 3.8	< 4.0	< 4.0	< 4.0	E	< 4.0	< 4.0	< 4.0	< 4.0
Fecal Coliform (CFU/100 ml) Geometric Mean	18	222	< 1	> 2420	1011	3	< 4.0	1	< 1	3	4	< 1
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	18	222	< 1	> 2420	1011	3	< 4.0	1	< 1	3	4	< 1

Compliance History

Effluent Violations for Outfall 001, from: February 1, 2022 To: December 31, 2022

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
TSS	05/31/22	Avg Mo	100.0	mg/L	10.0	mg/L
TSS	05/31/22	IMAX	100.0	mg/L	20.0	mg/L
Fecal Coliform	09/30/22	Geo Mean	> 2420	CFU/100 ml	200	CFU/100 ml
Fecal Coliform	11/30/22	Geo Mean	222	CFU/100 ml	200	CFU/100 ml
Fecal Coliform	08/31/22	Geo Mean	1011	CFU/100 ml	200	CFU/100 ml
Fecal Coliform	08/31/22	IMAX	1011	CFU/100 ml	1000	CFU/100 ml
Fecal Coliform	09/30/22	IMAX	> 2420	CFU/100 ml	1000	CFU/100 ml

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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/month	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab

Compliance Sampling Location: Outfall 001, after Disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids are BPJ-based on the Department’s “Small Flow Treatment Facilities Manual.” Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

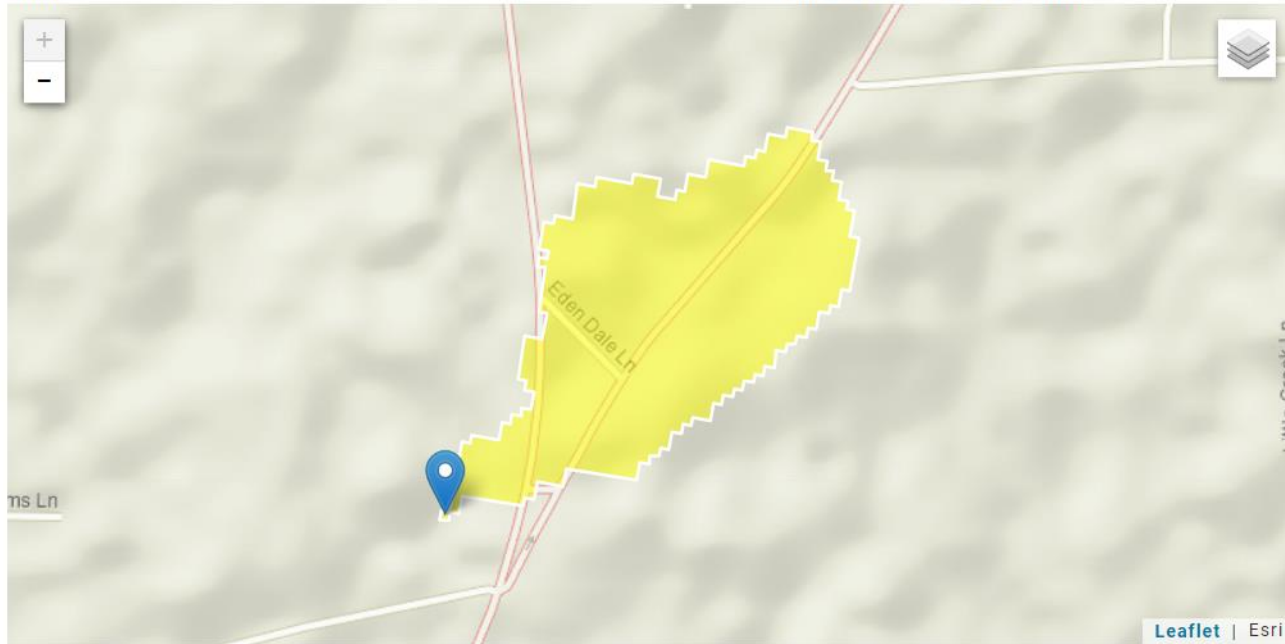
Outfall Location - eMap with Aerial Imagery

The screenshot displays the Pennsylvania Department of Environmental Protection's eMapPA interface. The main map area shows aerial imagery with overlaid stream data. A legend on the left side categorizes streams into 'Existing Use Streams' (Cold Water Fish, Exceptional Value, High Quality, Trout Stocking, Warm Water Fish, Overlap) and 'Designated Use Streams' (Cold Water Fish, Exceptional Value, High Quality, Trout Stocking, Warm Water Fish, Overlap, Missing from CH93). A pop-up window titled 'Designated Use Streams (1 of 3)' provides detailed information for a specific stream: Designated Use Gen ID: 29179, GNIS Name, GNIS ID, ReachCode: 05030102011734, COMID: 130032030, Length Miles: 0.643, Map Symbology: WWF, Length Miles: 0.643, Designated Use: 12, DES Use ID: 8, Use Description: WWF(WARM WATER FISHES), Migratory_Fish: N, HUC: 05030102, Basin: N, Basin Narrative: Null, Segment Narrative: Null, Evaluation Date: Null, and a Zoom to link. A 'Locate Latitude and Longitude' dialog box is open in the top right, showing coordinates in DD/MM/SS format: Latitude 41° 5' 14.5" and Longitude -80° 21' 31.5". The map interface includes a scale bar (0 to 0.2 miles) and an ESRI logo in the bottom right corner.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20230227160542938000
Clicked Point (Latitude, Longitude): 41.08734, -80.35886
Time: 2023-02-27 11:06:03 -0500



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0396	square miles