pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northcentral Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0232416**
Facility Type	**Non-Municipal**	APS ID	**998499**
Major / Minor	**Minor**	Authorization ID	**1282340**

Applicant and Facility Information

Applicant Name	**Heather M. Kratzer**	Facility Name	**Inn 287**
Applicant Address	22861 Route 287	Facility Address	22861 Route 287
	Morris, PA 16938-9325		Morris, PA 16938-9325
Applicant Contact	Heather Kratzer	Facility Contact	Heather Kratzer
Applicant Phone	(570) 353-7471	Facility Phone	(570) 353-7471
Client ID	351512	Site ID	255892
Ch 94 Load Status	Not Overloaded	Municipality	Pine Township
Connection Status	No Limitations	County	Lycoming
Date Application Received	July 29, 2019	EPA Waived?	Yes
Date Application Accepted	August 12, 2019	If No, Reason	
Prior Permittee	Phillips Carol		
Transfer Reason	Change in ownership/operation.		
Purpose of Application	Application for the transfer and renewal of the existing individual NPDES SFTF permit.		

Summary of Review

Heather Kratzer has submitted an application for the transfer and renewal of the existing NPDES Permit PA0232416 for the Department's review. 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.

The associated WQM Permit (#4113402) will be transferred in conjunction with the issuance of this NPDES Permit renewal/transfer.

Approve	Deny	Signatures	Date
X		Jonathan P. Peterman / Project Manager	January 13, 2020
		Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0010
Latitude	41º 31' 30.45"	Longitude	-77º 17' 4.84"
Quad Name	Morris	Quad Code	0627
Wastewater Description:	Sewage Effluent		

Receiving Waters	Hughes Run (EV)	Stream Code	21314
NHD Com ID	66539901	RMI	2.3600
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	9-A	Chapter 93 Class.	HQ-CWF, MF
Existing Use	EV(EXCEPTIONAL VALUE)	Existing Use Qualifier	RBP - Antidegradation
Exceptions to Use	None.	Exceptions to Criteria	None.
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	N/A		
Source(s) of Impairment	N/A		
TMDL Status	N/A	Name	N/A

Nearest Downstream Public Water Supply Intake	Jersey Shore Area Joint Water Authority		
PWS Waters	Pine Creek	Flow at Intake (cfs)	39
PWS RMI	1.92	Distance from Outfall (mi)	35

Changes Since Last Permit Issuance: None.
Other Comments: None.

Treatment Facility Summary

Treatment Facility Name: Inn 287

WQM Permit No.	Issuance Date	Notes:
4113402	12/3/22013	Initial construction.
4113402 T-1	Pending	Transfer to Heather M. Kratzer from Carol Phillips.

Waste Type	Degree of Treatment	Process Type	Disinfection	Design Flow (MGD)
Sewage	Secondary	Septic Tank Sand Filter	Ultraviolet	0.0010
Hydraulic Capacity (MGD)	**Organic Capacity (lbs/day)**	**Load Status**	**Biosolids Treatment**	**Biosolids Use/Disposal**
0.0016	1.44	Not Overloaded	N/A	Combination of methods

Treatment System Components:
- Five (5) Septic tanks in two series.
  - Two tanks serving bar/restaurant/residence.
  - Three serving hotel.
- Two (2) Orenco AX20 textile filter pods.
- One (1) 2000-gallon concrete recirculating tank with a mechanical recirculating valve.
- One (1) UV disinfection treatment.
- One (1) Outfall 001 to Hughes Run.

Changes Since Last Permit Issuance: None.

TMDL Impairment

The Department's Geographic Information System (GIS) shows that the Hughes Run is not impaired and a TMDL does not exist for the stream segment. No TMDL has been taken into consideration during this review.

Chesapeake Bay Requirements

Facilities that are designed based on a flow of less than 2,000 GPD (1,000 GPD design flow for this facility) are not a part of Pennsylvania's Chesapeake Bay Tributary Strategy. Accordingly, it is not practicable to require the permittee to perform nutrient monitoring.

Anti-Backsliding

In accordance with 40 CFR 122.44(l)(1) and (2), this permit does not contain effluent limitations, standards, or conditions that are less stringent than the previous permit.

Existing Effluent Limitations and Monitoring Requirements

Existing Limits – Outfall 001

Discharge Parameter	Limitations							
	Mass (lb/day)		Concentration (mg/L)				Monitoring Requirements	
	Monthly Average	Daily Maximum	Minimum	Average Monthly	Average Weekly	Instantaneous Maximum	Minimum Frequency	Sample Type
Flow (MGD)	Report						1/ Month	Estimate
BOD_5				10		20	1/ Month	Grab
TSS				10		20	1/ Month	Grab
UV Transmittance (%)				Report		Report	1/ Month	Visual
pH (Std. Units)			6.0			9.0	1/ Month	Grab
Fecal Coliforms				200 Geo Mean			1/ Month	Grab

*The proposed effluent limits for Outfall 001 were based on a design flow of 0.0010 MGD.

Development of Effluent Limitations and Monitoring Frequencies

Outfall No. 001 **Design Flow (MGD)** 0.0010
Latitude 41º 31' 30.40" **Longitude** -77º 17' 4.80"
Wastewater Description: Sewage Effluent

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
BOD_5	10	Average Monthly	125.3(a)(2)(i)	DEP SFTF Design Manual (Document 362-0300-002)
	20	IMAX		
Total Suspended Solids	10	Average Monthly	125.3(a)(2)(i)	DEP SFTF Design Manual (Document 362-0300-002)
	20	IMAX		
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform	200 / 100 ml	Geo Mean	-	92a.47(a)(4)

Water Quality-Based Limitations

The Department utilizes the WQM 7.0 v1.0b and PENTOXSD v2.0d models to establish water quality based effluent limitations. This modeling is not utilized for facilities that discharge less than 2,000 gpd. Additionally, the "TRC Spreadsheet" is not utilized for SRSTP facilities.

Best Professional Judgement (BPJ) Limitations

None.
Comments: None.

Additional Considerations

None

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 the abovementioned 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) and/or BPJ.

Proposed Limits - Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date

Proposed Limits – Outfall 001

Discharge Parameter	Limitations							
	Mass (lb/day)		Concentration (mg/L)				Monitoring Requirements	
	Monthly Average	Daily Maximum	Minimum	Average Monthly	Average Weekly	Instantaneous Maximum	Minimum Frequency	Sample Type
Flow (MGD)	Report						1/ Month	Estimate
BOD_5				10		20	1/ Month	Grab
TSS				10		20	1/ Month	Grab
pH (Std. Units)			6.0			9.0	1/ Month	Grab
Fecal Coliforms (No./100ml)				200 Geo Mean			1/ Month	Grab

*The proposed effluent limits for Outfall 001 were based on a design flow of 0.0010 MGD.

Flow
There are no proposed changes for flow monitoring which is required by §92a.61(d)(1).

Five-Day Biochemical Oxygen Demand (BOD_5)
The limits for BOD_5 are existing technology-based effluent limits. Facilities that have been designed and built utilizing the technologies established in the *Small Flow Treatment Facilities Design Manual* (Document 362-0300-002) have been proven to continuously produce effluent with less than 10 mg/l (BOD_5) and is considered best practicable control technology currently available (BPT). In accordance with current policies and procedures for facilities of this type, an effluent limit for BOD_5 will be utilized in lieu of $CBOD_5$.

Total Suspended Solids (TSS)
The limits for TSS are existing technology-based effluent limits. Facilities that have been designed and built utilizing the technologies established in the *Small Flow Treatment Facilities Design Manual* (Document 362-0300-002) have been proven to continuously produce effluent with less than 10 mg/l (TSS) and is considered best practicable control technology currently available (BPT).

pH
40 CFR §133.102(c) and 25 PA Code §95.2(1) provide the basis of effluent limitations for pH. No changes are proposed for pH limitations.

Fecal Coliforms
The existing fecal coliform limits were updated from the previous Chapter 92 code to correspond with what is specified in the updated 25 PA Code § 92a.47 (a)(4)&(5).

Ultraviolet (UV) Disinfection
For SFTFs / SRSTPs with UV systems, it is not necessary to require UV intensity or transmittance monitoring in the permit. This monitoring requirement will be removed.

Sample Types
The sample types (grab and estimate) for all of the parameters correspond with the *Technical Guidance for the Development and Specification of Effluent Limitations* (362-0400-001) Table 6-3 and will remain.

Monitoring Frequencies
In order to maintain consistency with other SFTF facilities within the region, all monitoring frequencies will be required to be (1/ Month) at a minimum. In no case will "Upon Request" be utilized for monitoring of these parameters.

Other Comments: None.

Compliance History

WMS Query Summary - A WMS Query was run at *Reports - Violations & Enforcements – Open Violations for Client Report* to determine whether there are any unresolved violations associated with the client that will affect issuance of the permit (per CSL Section 609). This query revealed that there were no unresolved violations for the existing or proposed client.

File Review / AMR's – The last facility inspection was conducted by the Department on 12/3/19. Multiple issues are noted in this report. The inspector recommended cleaning the solids from the outfall area, pumping septic tanks, and contacting the manufacturer to improve effluent quality. AMR's were included in the application and are on file.

Tools and References Used to Develop Permit	
☐	WQM for Windows Model (see Attachment)
☐	PENTOXSD for Windows Model (see Attachment)
☐	TRC Model Spreadsheet (see Attachment)
☐	Temperature Model Spreadsheet (see Attachment)
☐	Toxics Screening Analysis Spreadsheet (see Attachment)
☐	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
☒	Technical Guidance for the Development and Specification of Effluent Limitations, 362-0400-001, 10/97.
☐	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
☐	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
☐	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
☐	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
☐	Pennsylvania CSO Policy, 385-2000-011, 9/08.
☐	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
☐	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 391-2000-002, 4/97.
☒	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
☐	Implementation Guidance Design Conditions, 391-2000-006, 9/97.
☐	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 391-2000-007, 6/2004.
☐	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
☐	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
☐	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
☐	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
☐	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
☐	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
☐	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
☐	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 10/97.
☐	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 391-2000-019, 10/97.
☐	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 3/99.
☐	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 391-2000-022, 3/1999.
☒	Design Stream Flows, 391-2000-023, 9/98.
☐	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 391-2000-024, 10/98.
☐	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
☒	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
☒	SOP: New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications
☒	Other: Small Flow Treatment Facilities Manual (362-0300-002)