

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0065081
APS ID 1017308
Authorization ID 1316017

Applicant, Facility and Project Information

Applicant Name	<u>Ecklof, Theresa</u>	Facility Name	<u>Theresa Ecklof SRSTP</u>
Applicant Address	<u>118 Whispering Acres Lane</u> <u>Wind Gap, PA 18091-9000</u>	Facility Address	<u>118 Whispering Acres Lane</u> <u>Wind Gap, PA 18091-9000</u>
Applicant Contact	<u>Theresa Ecklof</u>	Facility Contact	<u>Theresa Ecklof</u>
Applicant Phone		Facility Phone	
Client ID	<u>356733</u>	Site ID	<u>660772</u>
SIC Code	<u>6514</u>	Municipality	<u>Bushkill Township</u>
SIC Description	<u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Northampton</u>
Date Application Received	<u>May 19, 2020</u>	WQM Required	<u>transferring</u>
Date Application Accepted	<u>May 19, 2020</u>	WQM App. No.	<u>WQG012217 T-2</u>
Project Description	<u>Renewal and transfer of an existing SRSTP NPDES Permit.</u>		

Summary of Review

The application is for a renewal and transfer of an NPDES permit for an existing discharge of treated Sewage from a single residence at 0.0004 MGD. The receiving stream, Unnamed Tributary of Bushkill Creek (EV (existing use)), is located in State Water Plan watershed 1-F and is classified for High Quality Waters - Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The original permit was issued to James Davis in 2006, the property has switched ownership at least one additional time since the original application. It is a 3-bedroom SRSTP consisting of an existing 500-gallon septic tank, aerobic tank, dosing tank, sand filter, and chlorinating tank.

The current SRSTP NPDES and WQM Permit templates will be utilized for this renewal and transfer.


Permit WQG012217 T-2 will be released with the final NPDES Permit PA0065081.

The NMS query "Violations – eFACTS – Open Violations for Client by Permit Number" was run. There are currently no open violations

The EPA Waiver is in effect.

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

Approve	Deny	Signatures	Date
X		 Bernard Feist, P.E. / Environmental Engineer	June 4, 2020
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	6-9-20

Summary of Review

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 50' 22.12"</u>	Longitude	<u>-75° 18' 40.32"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Bushkill Creek (EV (existing use))</u>	Stream Code	<u>04646</u>
NHD Com ID	<u>26066418</u>	RMI	<u>4.324</u>
Drainage Area	<u>0.32</u>	Yield (cfs/mi ²)	<u>0.14</u>
Q ₇₋₁₀ Flow (cfs)	<u>.013</u>	Q ₇₋₁₀ Basis	<u>DFlow gage 01443900</u>
Elevation (ft)	<u>710</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>01F</u>	Chapter 93 Class.	<u>High Quality Waters - Cold Water Fishes</u>
Existing Use	<u>EV(EXCEPTIONAL VALUE)</u>	Existing Use Qualifier	<u>RBP - Antidegradation</u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s) :aquatic life, water supply and recreation.</u>		

USGS 01443900 Yards Creek near Blairstown NJ

Gage	Period	Days in +	Zero/Mis+	7Q10
01443900 - Yards Creek near Blairstown NJ	1993/04/01 - 2019/04/01	9,496	0/0	0.76

Double-click on biological flow value for excursion analysis

LOCATION.--Lat 40°58'50", long 75°02'21" referenced to North American Datum of 1983, Blairstown Township, Warren County, NJ, Hydrologic Unit 02040105, on left bank 100 ft upstream from bridge on Hainesburg-Mount Vernon Road (Walnut Valley Road), 1.4 mi downstream from Lower Yards Creek Reservoir, 2.2 mi northeast of Hainesburg, 2.4 mi upstream from mouth, and 4.2 mi west of Blairstown.

DRAINAGE AREA.--5.34 mi².

PERIOD OF RECORD.--Continuous-record discharge station, October 1966 to current year.

LFY = 0.76/5.34 = 0.14 cfs/mi²

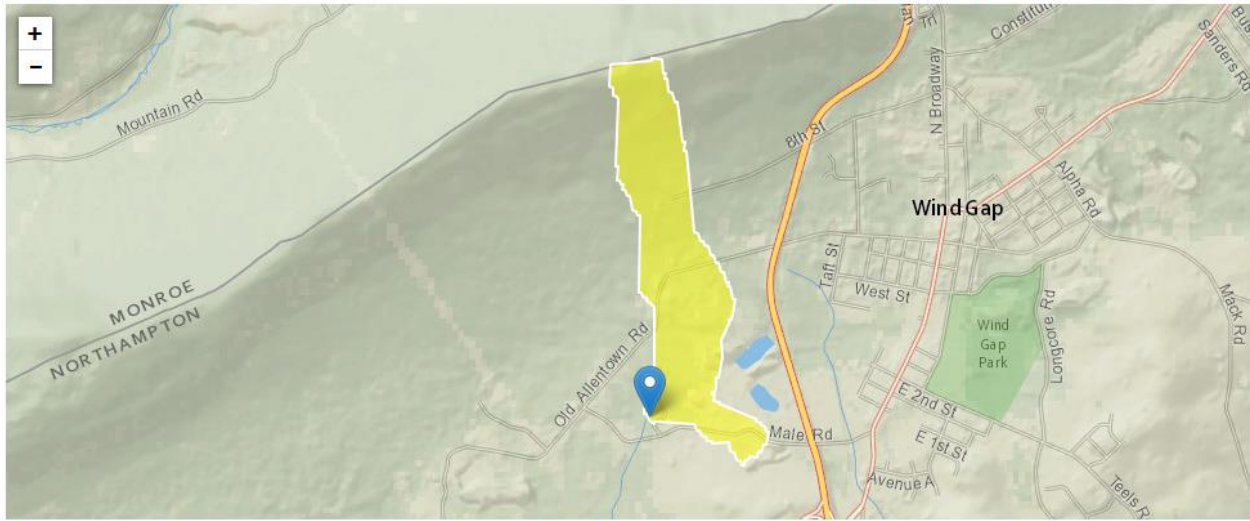
Out fall 001 at Trib 04646 To Bushkill Creek RMI: 4.324332 and Elevation 710 ft
 $Q_{7-10} \text{ Flow (cfs)} = 0.32 \text{ mi}^2 * 0.14 \text{ cfs/mi}^2 = 0.013$

Clicked Point (Latitude, Longitude):

40.83937, -75.31139

Time:

2020-06-03 14:18:52 -0400



Basin Characteristics			
Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.32	square miles

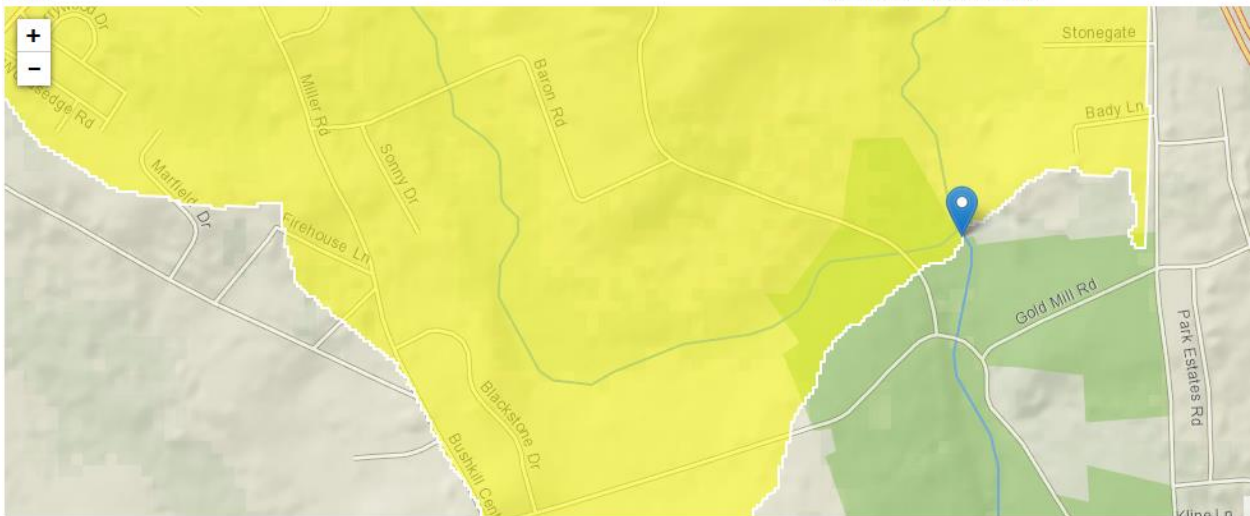
RMI: 1.24 next8 Trib 04647 Elevation 536 ft

Clicked Point (Latitude, Longitude):

40.80093, -75.30881

Time:

2020-06-03 14:26:36 -0400

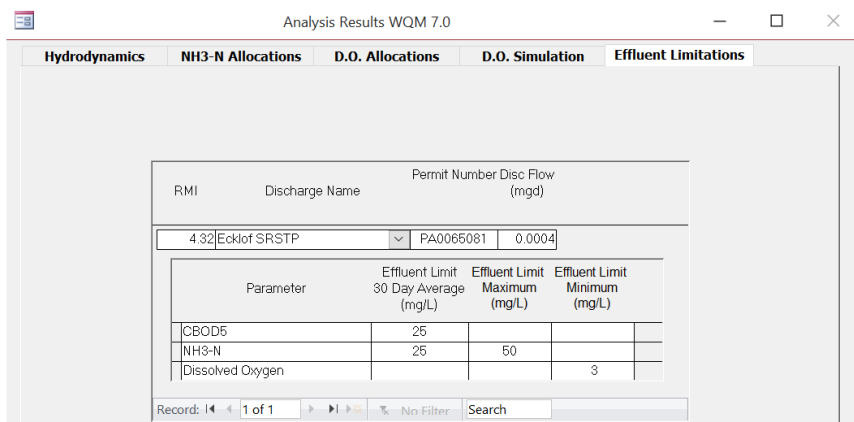


Basin Characteristics			
Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	8.86	square miles

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 for an existing SRSTP. 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.

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	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	9.0 Daily Max	XXX	2/year	Grab
TRC	XXX	XXX	XXX	XXX	0.5 Daily Max	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	2/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	2/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	2/year	Grab



TRC EVALUATION			
Input appropriate values in A3:A9 and D3:D9		Ecklof	
0.013	= Q stream (cfs)	0.5	= CV Daily
0.0004	= Q discharge (MGD)	0.5	= CV Hourly
4	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
0	= % Factor of Safety (FOS)		=Decay Coefficient (K)
Source	Reference	AFC Calculations	Reference CFC Calculations
TRC	1.3.2.iii	WLA_afc = 6.721	1.3.2.iii WLA_cfc = 6.545
PENTOXSD TRG	5.1a	LTAMULT_afc = 0.373	5.1c LTAMULT_cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc = 2.504	5.1d LTA_cfc = 3.805
Source	Reference	Effluent Limit Calculations	
PENTOXSD TRG	5.1f	AML_MULT = 1.720	
PENTOXSD TRG	5.1g	AVG_MON_LIMIT (mg/l) = 0.500	BAT/BPJ
		INST_MAX_LIMIT (mg/l) = 1.170	