pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0064190**
Facility Type	**Non-Municipal**	APS ID	**1009716**
Major / Minor	**Minor**	Authorization ID	**1302456**

Applicant and Facility Information

Applicant Name	**R Place On 590**	Facility Name	**R Place On 590**
Applicant Address	PO Box 189	Facility Address	Sr 590 & T-342
	Hamlin Hwy, PA 18427		Hamlin, PA 18427
Applicant Contact	Joseph Bonamico	Facility Contact	Joseph Bonamico
Applicant Phone	(570) 689-4017	Facility Phone	(570) 689-4017
Client ID	354676	Site ID	271784
Ch 94 Load Status		Municipality	Salem Township
Connection Status		County	Wayne
Date Application Received	January 17, 2020	EPA Waived?	Yes
Date Application Accepted	January 22, 2020	If No, Reason	

Purpose of Application: Transfer and Renewal of an existing NPDES Sewage Permit.

Summary of Review

The applicant is requesting the transfer and renewal of their NPDES permit to discharge up to 0.0015 MGD of treated sewage to Unnamed Tributary to West Branch Wallenpaupack Creek (HQ-CWF, MF) that is located in State Water Plan watershed 1-C. The receiving stream is classified as High quality - Cold Water Fishes, Migratory Fishes supporting aquatic life and recreation and is impaired by siltation. As per the Department's current existing use list, the receiving streams do not have an existing use classification that is more protective than the designated use. The discharge is not expected to affect public water supplies and the nearest proposed downstream public water supply intake is for East Stroudsburg located 50 miles below the point of discharge.

The permit is being renewed using existing limits. The effluent limits for $CBOD_5$, TSS, and NH_3-N are special protection anti-degradation BAT(ABACT) based limits for discharges to High Quality waters in effect at the time the permit was originally issued under the Water Quality Antidegradation Implementation Guidance 391-0300-002. The continued DO limit is HQ water quality based. The pH and Fecal Coliform limits are Chapter 92(a) secondary treatment requirements. The TRC is current technology based.

The WMS Report query “Water Management System Inspections” was run. On 10/07/2019 an Administrative/File Review was done with Violations noted.

The WMS “Open Violations by Client Report" was run and there are No Open Violations for R Place on 590.

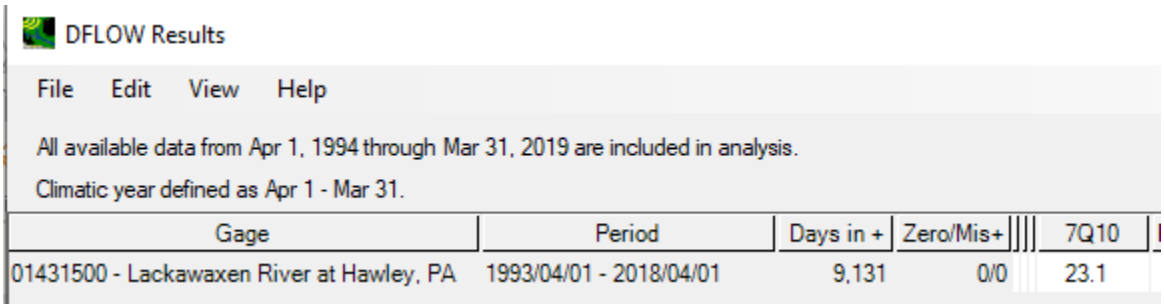
The Existing Permit expired, and the renewal was submitted 01/17/2020.

The transfer from **Bennocos Beef & Brew Inc.** to **R Place on 590** was delayed for this permit renewal as per present policy.

Approve	Deny	Signatures	Date
X		Bernard Feist, P.E. / Environmental Engineer /s/	January 27, 2020
X		Amy M. Bellanca, P.E. / Environmental Engineer Manager /s/	January 27, 2020

Summary of Review
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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0015
Latitude	41° 24’ 12.00”	Longitude	75° 24’ 50.00”
Quad Name	Lake Ariel	Quad Code	0742
Wastewater Description:	Sewage effluent		
Receiving Waters	Unnamed Tributary to West Branch Wallenpaupack Creek	Stream Code	05662
NHD Com ID	25927786	RMI	1.8
Drainage Area	0.6 mi^2	Yield (cfs/mi^2)	0.08
Q_{7-10} Flow (cfs)	.05 cfs/sec	Q_{7-10} Basis	DFlow Gage #01431500
Elevation (ft)	1280	Slope (ft/ft)	0.026
Watershed No.	1-C	Chapter 93 Class.	HQ-CWF, MF
Existing Use	NA	Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	Siltation		
Source(s) of Impairment	Urban Runoff/Storm Sewers		
TMDL Status	Pending	Name	
Nearest Downstream Public Water Supply Intake	Proposed East Stroudsburg		
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	50



Q_{7-10} LowFlowYield (cfs/mi^2)= $23.1/290 = 0.08$

STATION.--01431500 LACKAWAXEN RIVER AT HAWLEY, PA
LOCATION.--Lat 41`28'34", long 75`10'21", Wayne County, Hydrologic Unit 02040103, on left bank at bridge on Church Street in Hawley, 700 ft upstream from Wallenpaupack Creek, and 3,000 ft downstream from Middle Creek.
DRAINAGE AREA.--290 square miles.

Treatment Facility Summary

WQM Permit No.	Issuance Date
6403401	09/12/03

D. This permit approves the transfer/operation of sewerage facilities consisting of:

(1) Equalization Tank – 3,000 gallons

(2) Sequential Batch Reactor

(3) Intermittent Sand Filters

(4) Chlorine Contact Tank/De-chlorination Tank

(5) Effluent Discharge Structure

Pump Stations: **N/A**	Manure Storage: **N/A**	Sewage Treatment Facility:
Design Capacity: _____ GPM		Annual Average Flow: _____ MGD
	Volume: _____ MG	Design Hydraulic Capacity: **0.0015** MGD
	Freeboard: _____ inches	Design Organic Capacity: **3.75** lb/day

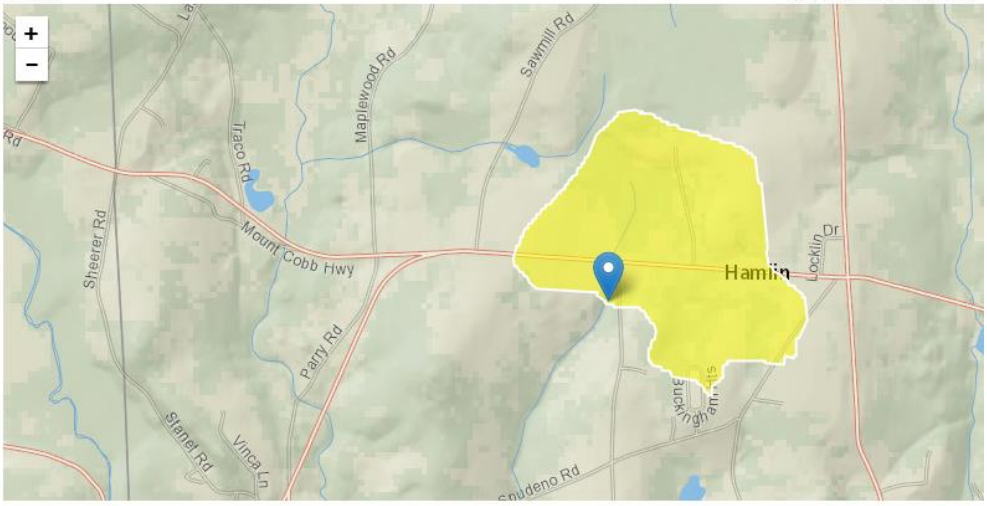
E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. **Transfers:** Water Quality Management Permit No. **6403401** dated **September 12, 2003** and conditions, supporting documentation and addendums are also made part of this transfer.

Water Quality Modelling

Outfall 001 at RMI 1.8 Elevation 1,518

Clicked Point (Latitude, Longitude): 41.40239, -75.41486
Time: 2020-01-24 11:36:52 -

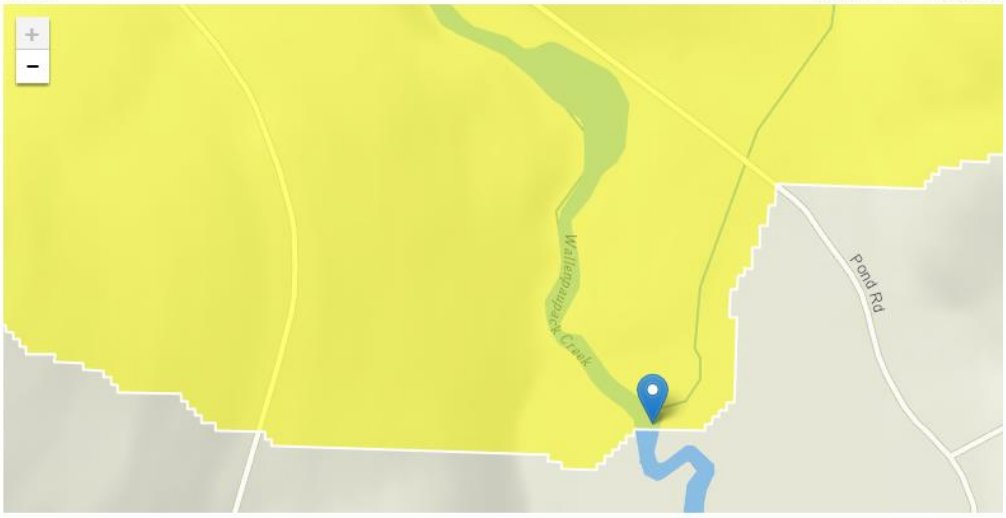


Low-Flow Statistics Parameters[Low Flow Region 5]

Parameter Code	Parameter Name	Value	Units
DRNAREA	Drainage Area	0.61	square miles

RMI 0.0 Elevation 1,288

Clicked Point (Latitude, Longitude): 41.38006, -75.42372
Time: 2020-01-24 11:43:02



Low-Flow Statistics Parameters[100 Percent (32.4 square miles) Low Flow Region 5]

Parameter Code	Parameter Name	Value	Units
DRNAREA	Drainage Area	32.4	square miles

Analysis Results WQM 7.0

Hydrodynamics | **NH3-N Allocations** | **D.O. Allocations** | **D.O. Simulation** | **Effluent Limitations**

RMI	Discharge Name	Permit Number	Disc Flow (mgd)
1.80	R Place on 590	PA0064190	0.0015

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	25	50	
Dissolved Oxygen			3

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9 — R Place on 590

0.05	= Q stream (cfs)	0.5	= CV Daily
0.0015	= Q discharge (MGD)	0.5	= CV Hourly
30	= 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 = 6.893	1.3.2.iii	WLA cfc = 6.712
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 2.568	5.1d	LTA_cfc = 3.902

Source		Effluent Limit Calculations	
PENTOXSD TRG	5.1f	AML MULT = 1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) = 1.635	

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.

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 (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/week	Weir
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/day	Grab
DO	XXX	XXX	7.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.17	1/day	Grab
CBOD5 Apr 1 - 30, Nov 1 - 30	XXX	XXX	XXX	20.0	XXX	40	1/month	8-Hr Composite
CBOD5 May 1 - 31, Oct 1 - 31	XXX	XXX	XXX	10.0	XXX	20	1/month	8-Hr Composite
TSS	XXX	XXX	XXX	20.0	XXX	40	1/month	8-Hr Composite

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		
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10,000	1/month	Grab
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	15.0	XXX	30	1/month	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	5.0	XXX	10	1/month	8-Hr Composite

Other Comments: frequencies per Current Table 6-3