

Application Type Renewal
Facility Type Non-Municipal
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0061468
APS ID 802950
Authorization ID 1212498

Applicant and Facility Information

Applicant Name	<u>Liberty Park, LLC.</u>	Facility Name	<u>Liberty Mobile Home Park</u>
Applicant Address	<u>1675 Kelly Road</u> <u>Friendsville, PA 18818</u>	Facility Address	<u>Tripp Lake Road</u> <u>Montrose, PA 18818</u>
Applicant Contact	<u>Jack Marconi</u>	Facility Contact	<u>Michael Hester</u>
Applicant Phone	<u>(570) 553-2298</u>	Facility Phone	<u>610-663-2625</u>
Client ID	<u>288131</u>	Site ID	<u>250565</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Liberty Township</u>
Connection Status	<u>-</u>	County	<u>Susquehanna</u>
Date Application Received	<u>October 30, 2017</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 5, 2018</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of an existing NPDES permit to discharge up to 0.0039 mgd of treated sewage.</u>		

Summary of Review

The applicant is requesting renewal of NPDES Permit No. PA0061468 to authorize a discharge of up to 0.0039 mgd of treated sewage from a minor sewage treatment plant into Unnamed Tributary #31867 to Snake Creek in State Water Plan Watershed 04-E. The receiving tributary is designated for Cold Water Fishes and Migratory Fish (CWF, MF). Per the Department's existing use list, the receiving tributary does not have an existing use classification. The Unnamed Tributary and Snake Creek itself are both listed as 'Supporting' in the 2018 report Pennsylvania Integrated Water Quality Monitoring and Assessment Report. The discharge is not expected to affect public water supplies.

The existing wastewater treatment consists of an activated sludge Cromaglass package plant that discharges into a subsurface leach field. A 2011 WQM Part II permit application was submitted for the design of a wastewater treatment plant that would replace the existing on-lot system and feature a surface discharge to Unnamed Tributary #31867 to Snake Creek. The wastewater treatment plant has not been constructed and the on-lot system is still being utilized. The application reports an average flow of 0 mgd for 2014, 2015, and 2016, and recent DMR submissions have been marked 'no discharge.'

Sampling frequencies have been updated in accordance with Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limits. The sampling frequencies for pH and Total Residual Chlorine have increased from 1/week to 1/day. The sampling frequencies for CBOD5, Total Suspended Solids, Ammonia-Nitrogen, and Fecal Coliform have increased from 1/month to 2/month.

Ammonia-Nitrogen limits have become more stringent as a result of updated water quality modeling. The permitted average monthly concentration has decreased from 18.0 to 15.1 mg/L, and the permitted instantaneous maximum concentration has decreased from 36.0 mg/L to 30.2 mg/L. A minimum Dissolved Oxygen requirement of 5.0 mg/L has been added to the permit.

Approve	Deny	Signatures	Date
X		/s/ Joseph Cherinko, E.I.T. / Environmental Engineering Specialist	October 17, 2019
X		/s/ Amy M. Bellanca, P.E. / Environmental Engineer Manager	October 17, 2019

Summary of Review

The previous permit included 2 years of nutrient sampling for the Chesapeake Bay. These requirements remain in the permit because the sampling did not occur.

The WMS query 'Inspections Report' was performed. An Administrative/File Review was performed on 1/30/2018, and 1 violation was noted – "NPDES - Failure to submit monitoring report(s) or properly complete monitoring reports."

The WMS query 'Open Violations by Client Report' was performed. There are no open violations.

The existing NPDES permit expired on April 30, 2018. The renewal application was received timely on October 30, 2017.

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.	<u>001</u>	Design Flow (MGD)	<u>.0039</u>
Latitude	<u>41° 56' 42"</u>	Longitude	<u>-75° 51' 32"</u>
Quad Name	<u>Franklin Forks</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Snake Creek (CWF, MF)</u>	Stream Code	<u>31867</u>
NHD Com ID	<u>43489649</u>	RMI	<u>1.13</u>
Drainage Area	<u>1.79 mi²</u>	Yield (cfs/mi ²)	<u>0.018</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.032</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>1,275</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>04-E</u>	Chapter 93 Class.	<u>CWF, MF</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>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>-</u>		
PWS Waters	<u>-</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>-</u>	Distance from Outfall (mi)	<u>-</u>

Treatment Facility Summary				
Treatment Facility Name: Liberty Mobile Home Park				
WQM Permit No.		Issuance Date		
5811403		6/6/2011		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
-	-	-	-	-
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
-	-	-	-	-

Other Comments: A WQM Part 2 permit application was submitted in 2011. It identified the existing on-lot system as failing and detailed the design of a new wastewater treatment plant that would discharge to Unnamed Tributary #31867 to Snake Creek. The plant was designed for an average daily flow of 0.0039 mgd and a maximum daily flow of 0.00585 mgd. It has not been constructed.

Development of Effluent Limitations

Outfall No. 001
Latitude 41° 56' 42"
Wastewater Description: Sewage Effluent

Design Flow (MGD) .0039
Longitude -75° 51' 32"

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
CBOD ₅	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	133.102(b)(2)	92a.47(a)(2)
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
	10,000 / 100 ml	IMAX	-	92a.47(a)(5)

Water Quality-Based Limitations

The following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Total Residual Chlorine	0.5	Average Monthly	TRC Modeling Spreadsheet
	1.2	IMAX	
Ammonia-Nitrogen May 1 – Oct 31	15.1	Average Monthly	WQM 7.0
	30.2	IMAX	
Dissolved Oxygen	5.0	Minimum	

Comments:

The TRC limits of 0.5 and 1.2 mg/L are in the existing permit and remain in the new permit in accordance with the Department’s anti-backsliding effort.

Ammonia-Nitrogen limits have decreased from 18.0 to 15.1 mg/L for average monthly, and 36.0 mg/L to 30.2 mg/L for instantaneous maximum as a result of the most recent WQM 7.0 modeling run.

Dissolved oxygen has been added to the permit; the permitted minimum is 5.0 mg/L.