

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

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0228184  
 APS ID 999770  
 Authorization ID 1284527

**Applicant and Facility Information**

Applicant Name	<u>J&amp;D Campground</u>	Facility Name	<u>J &amp; D Campground</u>
Applicant Address	<u>973 Southern Drive</u> <u>Catawissa, PA 17820-8409</u>	Facility Address	<u>973 Southern Drive</u> <u>Catawissa, PA 17820-8409</u>
Applicant Contact	<u>Barbara Jones</u>	Facility Contact	<u>John Bauer</u>
Applicant Phone	<u>n/a</u>	Facility Phone	<u>570-784-1653</u>
Client ID	<u>65870</u>	Site ID	<u>254977</u>
Ch 94 Load Status	<u>n/a</u>	Municipality	<u>Franklin Township</u>
Connection Status		County	<u>Columbia</u>
Date Application Received	<u>August 14, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>August 21, 2020</u>	If No, Reason	
Purpose of Application	<u>Renewal if existing NPDES permit.</u>		

**Summary of Review**

The above facility has submitted an NPDES renewal application for an existing discharge. The facility is an extended aeration package plant (extended air, clarification, chlorine disinfection with de-chlorination) that serves a campsite, comfort stations, a park office and laundry facilities. The facility operates seasonally (typically May through September) during the camping season.

All of the Department's applicable Standard Operating Procedures (SOP) were followed during this review, unless otherwise specified. Based on the following review, it is recommended a draft permit be sent out for the public participation detailed below.

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
X		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	June 4, 2020
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	June 5, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.02</u>
Latitude	<u>40° 54' 15.20"</u>	Longitude	<u>76° 30' 23.90"</u>
Quad Name	<u>Danville</u>	Quad Code	<u>1133</u>
Wastewater Description: <u>Sewage from campground facilities</u>			
Receiving Waters	<u>Roaring Creek</u>	Stream Code	<u>27450</u>
NHD Com ID	<u>65642441</u>	RMI	<u>4.6</u>
Drainage Area	<u>47</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.091</u>
Q <sub>7-10</sub> Flow (cfs)	<u>4.3</u>	Q <sub>7-10</sub> Basis	<u>USGS Streamstats</u>
Elevation (ft)	<u>560</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>5-E</u>	Chapter 93 Class.	<u>TSF</u>
Existing Use	<u>TSF</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Pathogens</u>		
Source(s) of Impairment	<u>Source Unknown</u>		
TMDL Status	<u>Pending</u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	Approximately 9 miles downstream on Susquehanna River		

Changes Since Last Permit Issuance: None

Compliance History	
<b>Summary of DMRs:</b>	The facility utilizes the Department's eDMR system. There have been no effluent violations in the past year.
<b>Summary of Inspections:</b>	The Department most recent field inspection occurred on 1/22/2020. No violations were noted during the inspection.

**Development of Effluent Limitations**

Outfall No. 001  
 Latitude 40° 54' 15.20"  
 Wastewater Description: Sewage Effluent

Design Flow (MGD) .02  
 Longitude -76° 30' 23.90"

**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 <sub>5</sub>	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	45	Average Weekly	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)
Fecal Coliform (5/1 – 9/30)	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)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

**Water Quality-Based Limitations**

No "Reasonable Potential Analysis" was performed for toxics since they are not expected to be present in the wastewater.

The Department's WQM7.0 model allows the Department to evaluate point source discharges of dissolved oxygen (DO), carbonaceous BOD (CBOD<sub>5</sub>), and ammonia-nitrogen (NH<sub>3</sub>-N) into free-flowing streams and rivers. To accomplish this, the model simulates two basic processes: the mixing and degradation of NH<sub>3</sub>-N in the stream and the mixing and consumption of DO in the stream due to the degradation of CBOD<sub>5</sub> and NH<sub>3</sub>-N. WQM7.0 modeling was performed (see attached recommended limits from the model) for the discharge to Roaring Creek and showed that the existing limitations are protective of water quality standards. No water quality limitation was triggered for ammonia but 1/quarter monitoring has been required in the existing permit due to lack of previous testing. A review of the eDMR ammonia results shows that the highest effluent level was 0.29 mg/l. Based on the results, it is recommended that monitoring and reporting for ammonia be removed.

The chlorine demand spreadsheet (see attached) was run and showed that the above technology standard is protective of the stream.

**Best Professional Judgment (BPJ) Limitations**

None

**Anti-Backsliding**

There is no proposal to relax any effluent limitation within the proposed draft permit.

**Existing and 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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	Report Daily Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	Grab
TSS	XXX	XXX	XXX	30	XXX	60	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab

Compliance Sampling Location: 001

Other Comments: As discussed above, 1/quarter monitoring for ammonia is no longer required.

It is recommended the permit be drafted.