pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0031984**
Facility Type	**Non-Municipal**	APS ID	**824693**
Major / Minor	**Minor**	Authorization ID	**1311956**

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**PA DCNR**	Facility Name	**Raccoon Creek State Park STP**
Applicant Address	3000 State Route 18	Facility Address	Slag Road
	Hookstown, PA 15050-1605		Hookstown, PA 15050-9416
Applicant Contact	Albert Wasilewski	Facility Contact	Albert Wasilewski
Applicant Phone	(724) 899-2200	Facility Phone	(724) 899-2200
Client ID	52524	Site ID	252159
Ch 94 Load Status	Not Overloaded	Municipality	Hanover Township
Connection Status	No Limitations	County	Beaver
Date Application Received	April 22, 2020	EPA Waived?	Yes
Date Application Accepted	April 23, 2020	If No, Reason	
Purpose of Application	Renewal of an existing NPDES permit for the discharge of treated sewage.		

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		*Derek S. Garner* Derek S. Garner / Project Manager	3/12/2021
X		*Nicholas W. Hartranft* Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	3/15/2021

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.1
Latitude	40º 30' 25.11"	Longitude	-80º 23' 6.32"
Quad Name	Hookstown	Quad Code	1402
Wastewater Description:	Sewage Effluent		

Receiving Waters	Traverse Creek	Stream Code	33702
NHD Com ID	99685414	RMI	1.43
Drainage Area	19.3	Yield (cfs/mi^2)	0.00274
Q_{7-10} Flow (cfs)	0.053	Q_{7-10} Basis	Streamgage No. 03107700
Elevation (ft)	853	Slope (ft/ft)	n/a
Watershed No.	20-D	Chapter 93 Class.	TSF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	n/a		
Source(s) of Impairment	n/a		
TMDL Status	Final	Name	Raccoon Creek Watershed

The discharge is not expected to impact any downstream public water supply intakes.

Treatment Facility Summary

Construction/ operation of the Raccoon Creek State Park ("RCSP") Sewage Treatment Plan ("STP") was/is approved under WQM Permit No. 0472201, issued in February 1972. The STP receives flows from the RCSP sanitary system and filter backwash from the RCSP Water Treatment Plant ("WTP").

The RCSP STP is a 0.1 MGD sequencing batch reactor ("SBR") system. Influent flows are directed to one of two biological reactor tanks. The supernatant from the reactors is then conveyed to the chlorine contact chamber for disinfection and dechlorination. The dechlorinated effluent is ultimately discharged via Outfall 001 to Traverse Creek. Sludge from the biological reactor tanks is wasted to one of two aerobic digesters. Digested sludge is hauled to the Mahoning Landfill.

Compliance History

The facility was most recently inspected by DEP on December 17, 2019. The associated inspection report noted numerous effluent limit exceedances. The inspection report also made several recommendations to submit late forms, develop an SOP, and review permit sampling requirements.

A review of eDMR data yielded numerous violations occurring throughout the existing permit's term. A summary of the violations has been attached to the fact sheet. As indicated above, the Operations staff is aware of the frequency of the effluent exceedances.

A query of open violations associated with the permittee yielded the following results:

Facility	Permit No.	Inspection ID	Violation ID	Violation Date	Violation Code	Violation	Region
Sizerville State Park West	5389401	3145255	907345	2/1/2021	92A.44	NPDES - Violation of effluent limits in Part A of permit	NCRO
Sizerville State Park West	5389401	3145255	907346	2/1/2021	92A.41(A)8	NPDES - Failure to provide information or records required by the permit or otherwise needed to determine compliance	NCRO
Ricketts Glen State Park	PA0032115	3076161	893343	9/3/2020	92A.41(A)5	NPDES - Failure to properly operate and maintain all facilities which are installed or used by the permittee to achieve compliance	NERO
Frances Slocum State Park	PA0032433	2936782	863003	8/6/2019	92A.41(A)5	NPDES - Failure to properly operate and maintain all facilities which are installed or used by the permittee to achieve compliance	NERO

Operations staff was contacted in NCRO and NERO regarding the open violations. In each case above, it was confirmed that DEP is working with the permittee towards achieving compliance. The above open violations should not impact renewal of this permit.

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.1
Latitude 40º 30' 20.00" **Longitude** -80º 23' 5.00"
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
$CBOD_5$	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

Water quality modeling for the applicability of effluent limits for dissolved oxygen, CBOD5, and ammonia-n was previously completed in DEP's WQM model. Additionally, total residual chlorine ("TRC") limits were developed using the TRC spreadsheet. Since there has not been any noted change to the receiving water or effluent quality, DEP's standard operating procedures dictate that new modeling is not necessary.

Best Professional Judgment (BPJ) Limitations

Since the RCSP STP receives filter backwash wastewater from the RCSP WTP, the permit has historically contained effluent limits for total aluminum, total iron, and total manganese as follows:

Parameter	Average Monthly (mg/l)	Daily Maximum (mg/l)
Total Iron	2.0	4.0
Total Aluminum	4.0	8.0
Total Manganese	1.0	2.0

The limits for these three parameters are recommended by the *Technology-Based Control Requirements for Water Treatment Plant Wastes (362-2183-003, 10/1/97)* and are generally applied to WTP filter backwash discharges as best practicable control technology currently achievable. Since the backwash is discharged to the STP, the limits have historically been applied to Outfall 001 using BPJ. Since the WTP continues to discharge to the STP, DEP recommends that the existing limits for total aluminum, total iron, and total manganese remain in the permit.

The existing permit requires annual monitoring for total nitrogen and total phosphorus. DEP recommends that these requirements remain in the permit to continue to characterize the wastewater and impacts on the receiving water.

Seasonal Effluent Limits and Monitoring Requirements

The seasonal effluent limits and monitoring requirements for pH, dissolved oxygen, and TRC are established per an agreement between DEP and DCNR. The spreadsheet that dictates the requirements for all state parks has been attached for reference.

The permit has historically included seasonal limits for ammonia-n, based on the treatability of wastewater being significantly impacted by temperature and seasonal variance in stream flow. DEP recommends that the existing use of seasonal limits for ammonia-n remains in the permit.

TMDL Requirements

The Raccoon Creek Watershed TMDL was made final on February 3, 2005. The TMDL addresses impairments caused by high levels of metals (iron, aluminum, and manganese) and depressed pH caused by acid drainage from abandoned coalmines. Specifically, the TMDL assigns wasteload allocations to discharges from active mining permits throughout the watershed.

The RCSP STP is not assigned any wasteload allocations in the TMDL. Since the discharge predates the TMDL, all contributions of iron, aluminum, and manganese are already factored into the calculations used to develop the necessary reductions. Accordingly, the TMDL should not impact the development of effluent limitations.

Anti-Backsliding

No limits or monitoring requirements are less stringent than what is established in the existing permit. Anti-backsliding is not applicable.

Existing Effluent Limitations and Monitoring Requirements

The existing effluent limitations and monitoring requirements are as follows:

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	0.10	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.) May 1 - Sep 30	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
pH (S.U.) Oct 1 - Apr 30	XXX	XXX	6.0	XXX	XXX	9.0	3/week	Grab
Dissolved Oxygen May 1 - Sep 30	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Dissolved Oxygen Oct 1 - Apr 30	XXX	XXX	5.0	XXX	XXX	XXX	3/week	Grab
Total Residual Chlorine May 1 - Sep 30	XXX	XXX	XXX	0.15	XXX	0.35	1/day	Grab
Total Residual Chlorine Oct 1 - Apr 30	XXX	XXX	XXX	0.15	XXX	0.35	3/week	Grab
CBOD5	XXX	XXX	XXX	25	40 Wkly Avg	50	1/week	8-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	30	45 Wkly Avg	60	1/week	8-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/week	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/week	Grab
Ammonia-Nitrogen May 1 - Oct 31	XXX	XXX	XXX	2.5	XXX	5.0	1/week	8-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	XXX	XXX	XXX	6.0	XXX	12.0	1/week	8-Hr Composite
Total Aluminum	XXX	XXX	XXX	4.0	8.0	XXX	1/week	8-Hr Composite
Total Iron	XXX	XXX	XXX	2.0	4.0	XXX	1/week	8-Hr Composite
Total Manganese	XXX	XXX	XXX	1.0	2.0	XXX	1/week	8-Hr Composite

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

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)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	0.10	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.) Oct 1 - Apr 30	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	3/week	Grab
pH (S.U.) May 1 - Sep 30	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO Oct 1 - Apr 30	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	3/week	Grab
DO May 1 - Sep 30	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC Oct 1 - Apr 30	XXX	XXX	XXX	0.15	XXX	0.35	3/week	Grab
TRC May 1 - Sep 30	XXX	XXX	XXX	0.15	XXX	0.35	1/day	Grab
CBOD5	XXX	XXX	XXX	25.0	40.0	50	1/week	8-Hr Composite
TSS	XXX	XXX	XXX	30.0	45.0	60	1/week	8-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	6.0	XXX	12.0	1/week	8-Hr Composite

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Ammonia May 1 - Oct 31	XXX	XXX	XXX	2.5	XXX	5.0	1/week	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	4.0	8.0 Daily Max	XXX	1/week	8-Hr Composite
Total Iron	XXX	XXX	XXX	2.0	4.0 Daily Max	XXX	1/week	8-Hr Composite
Total Manganese	XXX	XXX	XXX	1.0	2.0 Daily Max	XXX	1/week	8-Hr Composite

Compliance Sampling Location: Outfall 001

ATTACHMENTS

SUMMARY OF EFFLUENT VIOLATIONS

Submission Date	Noncompliance Category	Parameter	Sample Value	Violation Condition	Permit Value	Units	SBC
6/25/2015	Concentration 2 Effluent Violation	Ammonia-Nitrogen	10.89	>	2.5	mg/L	Average Monthly
6/25/2015	Concentration 2 Effluent Violation	Fecal Coliform	760	>	200	CFU/100 ml	Geometric Mean
6/25/2015	Concentration 3 Effluent Violation	Ammonia-Nitrogen	11.11	>	5	mg/L	Instantaneous Maximum
6/25/2015	Concentration 3 Effluent Violation	Fecal Coliform	19000	>	1000	CFU/100 ml	Instantaneous Maximum
7/27/2015	Concentration 2 Effluent Violation	Fecal Coliform	755	>	200	CFU/100 ml	Geometric Mean
7/27/2015	Concentration 3 Effluent Violation	Fecal Coliform	20000	>	1000	CFU/100 ml	Instantaneous Maximum
9/2/2015	Concentration 2 Effluent Violation	Ammonia-Nitrogen	13.24	>	2.5	mg/L	Average Monthly
9/2/2015	Concentration 3 Effluent Violation	Ammonia-Nitrogen	23.1	>	5	mg/L	Instantaneous Maximum
6/27/2016	Concentration 3 Effluent Violation	Fecal Coliform	15000	>	1000	CFU/100 ml	Instantaneous Maximum
7/27/2016	Concentration 3 Effluent Violation	Fecal Coliform	9300	>	1000	CFU/100 ml	Instantaneous Maximum
8/16/2016	Concentration 2 Effluent Violation	Ammonia-Nitrogen	2.78	>	2.5	mg/L	Average Monthly
8/16/2016	Concentration 3 Effluent Violation	Ammonia-Nitrogen	7.75	>	5	mg/L	Instantaneous Maximum
4/25/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	4.2	<	5	mg/L	Minimum
4/25/2017	Concentration 3 Effluent Violation	Total Residual Chlorine (TRC)	0.4	>	0.35	mg/L	Instantaneous Maximum
4/25/2017	Load 1 Effluent Violation	Flow	0.776	>	0.1	MGD	Average Monthly
5/23/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	4.9	<	5	mg/L	Minimum
5/23/2017	Concentration 3 Effluent Violation	Fecal Coliform	12000	>	10000	CFU/100 ml	Instantaneous Maximum
6/23/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	1.2	<	5	mg/L	Minimum
6/23/2017	Concentration 2 Effluent Violation	Ammonia-Nitrogen	2.6	>	2.5	mg/L	Average Monthly
7/25/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	4.3	<	5	mg/L	Minimum
7/25/2017	Concentration 2 Effluent Violation	Ammonia-Nitrogen	4.4	>	2.5	mg/L	Average Monthly
7/25/2017	Concentration 3 Effluent Violation	Ammonia-Nitrogen	8.51	>	5	mg/L	Instantaneous Maximum
8/25/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	4.5	<	5	mg/L	Minimum
8/25/2017	Concentration 2 Effluent Violation	Ammonia-Nitrogen	26.34	>	2.5	mg/L	Average Monthly
8/25/2017	Concentration 2 Effluent Violation	Total Residual Chlorine (TRC)	0.16	>	0.15	mg/L	Average Monthly
8/25/2017	Concentration 3 Effluent Violation	Ammonia-Nitrogen	32.07	>	5	mg/L	Instantaneous Maximum
8/25/2017	Concentration 3 Effluent Violation	Total Residual Chlorine (TRC)	0.97	>	0.35	mg/L	Instantaneous Maximum
9/28/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	1	<	5	mg/L	Minimum
9/28/2017	Concentration 2 Effluent Violation	Fecal Coliform	2085	>	200	CFU/100 ml	Geometric Mean
9/28/2017	Concentration 3 Effluent Violation	Ammonia-Nitrogen	8.12	>	5	mg/L	Instantaneous Maximum

Submission Date	Noncompliance Category	Parameter	Sample Value	Violation Condition	Permit Value	Units	SBC
9/28/2017	Concentration 3 Effluent Violation	Fecal Coliform	14000	>	1000	CFU/100 ml	Instantaneous Maximum
9/28/2017	Concentration 3 Effluent Violation	Total Residual Chlorine (TRC)	1.31	>	0.35	mg/L	Instantaneous Maximum
10/26/2017	Concentration 1 Effluent Violation	Dissolved Oxygen	1	<	5	mg/L	Minimum
10/26/2017	Concentration 2 Effluent Violation	Fecal Coliform	493.68	>	200	CFU/100 ml	Geometric Mean
10/26/2017	Concentration 3 Effluent Violation	Fecal Coliform	1200	>	1000	CFU/100 ml	Instantaneous Maximum
10/26/2017	Concentration 3 Effluent Violation	Total Residual Chlorine (TRC)	0.9	>	0.35	mg/L	Instantaneous Maximum
1/25/2018	Concentration 3 Effluent Violation	Total Residual Chlorine (TRC)	0.44	>	0.35	mg/L	Instantaneous Maximum
2/26/2018	Concentration 1 Effluent Violation	Dissolved Oxygen	3.9	<	5	mg/L	Minimum
5/22/2018	Concentration 3 Effluent Violation	Fecal Coliform	> 20000	>	10000	CFU/100 ml	Instantaneous Maximum
6/22/2018	Concentration 2 Effluent Violation	Ammonia-Nitrogen	16.5	>	2.5	mg/L	Average Monthly
6/22/2018	Concentration 2 Effluent Violation	Fecal Coliform	407.37	>	200	CFU/100 ml	Geometric Mean
6/22/2018	Concentration 2 Effluent Violation	Total Residual Chlorine (TRC)	1.19	>	0.15	mg/L	Average Monthly
6/22/2018	Concentration 3 Effluent Violation	Ammonia-Nitrogen	39.1	>	5	mg/L	Instantaneous Maximum
6/22/2018	Concentration 3 Effluent Violation	Fecal Coliform	> 20000	>	1000	CFU/100 ml	Instantaneous Maximum
6/22/2018	Concentration 3 Effluent Violation	Total Residual Chlorine (TRC)	1.01	>	0.35	mg/L	Instantaneous Maximum
7/25/2018	Concentration 2 Effluent Violation	Ammonia-Nitrogen	6.8	>	2.5	mg/L	Average Monthly
7/25/2018	Concentration 2 Effluent Violation	Fecal Coliform	2468	>	200	CFU/100 ml	Geometric Mean
7/25/2018	Concentration 2 Effluent Violation	Total Suspended Solids	37.5	>	30	mg/L	Average Monthly
7/25/2018	Concentration 3 Effluent Violation	Ammonia-Nitrogen	16.3	>	5	mg/L	Instantaneous Maximum
7/25/2018	Concentration 3 Effluent Violation	Fecal Coliform	6800	>	1000	CFU/100 ml	Instantaneous Maximum
8/24/2018	Concentration 2 Effluent Violation	Ammonia-Nitrogen	14.4	>	2.5	mg/L	Average Monthly
8/24/2018	Concentration 2 Effluent Violation	Fecal Coliform	5590	>	200	CFU/100 ml	Geometric Mean
8/24/2018	Concentration 2 Effluent Violation	Iron, Total	2.3	>	2	mg/L	Average Monthly
8/24/2018	Concentration 2 Effluent Violation	Total Suspended Solids	63	>	30	mg/L	Average Monthly
8/24/2018	Concentration 3 Effluent Violation	Ammonia-Nitrogen	20.4	>	5	mg/L	Instantaneous Maximum
8/24/2018	Concentration 3 Effluent Violation	Fecal Coliform	20000	>	1000	CFU/100 ml	Instantaneous Maximum
8/24/2018	Concentration 3 Effluent Violation	Iron, Total	4.1	>	4	mg/L	Daily Maximum
8/24/2018	Concentration 3 Effluent Violation	Total Suspended Solids	63	>	45	mg/L	Weekly Average
9/24/2018	Concentration 2 Effluent Violation	Ammonia-Nitrogen	8.76	>	2.5	mg/L	Average Monthly
9/24/2018	Concentration 2 Effluent Violation	Fecal Coliform	4183	>	200	CFU/100 ml	Geometric Mean
9/24/2018	Concentration 2 Effluent Violation	Total Suspended Solids	37	>	30	mg/L	Average Monthly
9/24/2018	Concentration 3 Effluent Violation	Ammonia-Nitrogen	15.93	>	5	mg/L	Instantaneous Maximum

Submission Date	Noncompliance Category	Parameter	Sample Value	Violation Condition	Permit Value	Units	SBC
9/24/2018	Concentration 3 Effluent Violation	Fecal Coliform	> 20000	>	1000	CFU/100 ml	Instantaneous Maximum
10/25/2018	Concentration 2 Effluent Violation	Ammonia-Nitrogen	5.2	>	2.5	mg/L	Average Monthly
10/25/2018	Concentration 2 Effluent Violation	Fecal Coliform	6292	>	200	CFU/100 ml	Geometric Mean
10/25/2018	Concentration 2 Effluent Violation	Total Suspended Solids	51	>	30	mg/L	Average Monthly
10/25/2018	Concentration 3 Effluent Violation	Ammonia-Nitrogen	15	>	5	mg/L	Instantaneous Maximum
10/25/2018	Concentration 3 Effluent Violation	Fecal Coliform	9100	>	1000	CFU/100 ml	Instantaneous Maximum
10/25/2018	Concentration 3 Effluent Violation	Total Suspended Solids	51	>	45	mg/L	Weekly Average
1/2/2020	Concentration 2 Effluent Violation	Ammonia-Nitrogen	3.6	>	2.5	mg/L	Average Monthly
1/2/2020	Concentration 2 Effluent Violation	Fecal Coliform	5252	>	2000	CFU/100 ml	Geometric Mean
1/2/2020	Concentration 3 Effluent Violation	Ammonia-Nitrogen	6.14	>	5	mg/L	Instantaneous Maximum
1/2/2020	Concentration 3 Effluent Violation	Fecal Coliform	16000	>	10000	CFU/100 ml	Instantaneous Maximum
12/21/2018	Concentration 3 Effluent Violation	Fecal Coliform	> 20000	>	10000	CFU/100 ml	Instantaneous Maximum
5/24/2019	Concentration 3 Effluent Violation	Fecal Coliform	11000	>	10000	CFU/100 ml	Instantaneous Maximum
6/28/2019	Concentration 2 Effluent Violation	Ammonia-Nitrogen	13.2	>	2.5	mg/L	Average Monthly
6/28/2019	Concentration 3 Effluent Violation	Ammonia-Nitrogen	30.4	>	5	mg/L	Instantaneous Maximum
7/28/2019	Concentration 2 Effluent Violation	Ammonia-Nitrogen	3.8	>	2.5	mg/L	Average Monthly
7/28/2019	Concentration 2 Effluent Violation	Fecal Coliform	321	>	200	CFU/100 ml	Geometric Mean
7/28/2019	Concentration 3 Effluent Violation	Ammonia-Nitrogen	5.3	>	5	mg/L	Instantaneous Maximum
7/28/2019	Concentration 3 Effluent Violation	Fecal Coliform	8200	>	1000	CFU/100 ml	Instantaneous Maximum
8/29/2019	Concentration 2 Effluent Violation	Ammonia-Nitrogen	5.5	>	2.5	mg/L	Average Monthly
8/29/2019	Concentration 2 Effluent Violation	Iron, Total	3.6	>	2	mg/L	Average Monthly
8/29/2019	Concentration 2 Effluent Violation	Manganese, Total	1.1	>	1	mg/L	Average Monthly
8/29/2019	Concentration 2 Effluent Violation	Total Suspended Solids	60	>	30	mg/L	Average Monthly
8/29/2019	Concentration 3 Effluent Violation	Ammonia-Nitrogen	10.94	>	5	mg/L	Instantaneous Maximum
8/29/2019	Concentration 3 Effluent Violation	Iron, Total	6.8	>	4	mg/L	Daily Maximum
8/29/2019	Concentration 3 Effluent Violation	Manganese, Total	2.8	>	2	mg/L	Daily Maximum
8/29/2019	Concentration 3 Effluent Violation	Total Suspended Solids	60	>	45	mg/L	Weekly Average
9/24/2019	Concentration 2 Effluent Violation	Ammonia-Nitrogen	2.96	>	2.5	mg/L	Average Monthly
9/24/2019	Concentration 2 Effluent Violation	Fecal Coliform	1403	>	200	CFU/100 ml	Geometric Mean
9/24/2019	Concentration 3 Effluent Violation	Ammonia-Nitrogen	6.71	>	5	mg/L	Instantaneous Maximum
9/24/2019	Concentration 3 Effluent Violation	Fecal Coliform	10400	>	1000	CFU/100 ml	Instantaneous Maximum
10/28/2019	Concentration 3 Effluent Violation	Ammonia-Nitrogen	5.1	>	5	mg/L	Instantaneous Maximum

Submission Date	Noncompliance Category	Parameter	Sample Value	Violation Condition	Permit Value	Units	SBC
10/28/2019	Concentration 3 Effluent Violation	Fecal Coliform	3100	>	1000	CFU/100 ml	Instantaneous Maximum
6/26/2020	Concentration 2 Effluent Violation	Ammonia-Nitrogen	8.3	>	2.5	mg/L	Average Monthly
6/26/2020	Concentration 2 Effluent Violation	Iron, Total	2.813	>	2	mg/L	Average Monthly
6/26/2020	Concentration 3 Effluent Violation	Ammonia-Nitrogen	31.5	>	5	mg/L	Instantaneous Maximum
6/26/2020	Concentration 3 Effluent Violation	Iron, Total	4.86	>	4	mg/L	Daily Maximum
7/28/2020	Concentration 2 Effluent Violation	Ammonia-Nitrogen	8.6	>	2.5	mg/L	Average Monthly
7/28/2020	Concentration 3 Effluent Violation	Ammonia-Nitrogen	11	>	5	mg/L	Instantaneous Maximum
7/28/2020	Concentration 3 Effluent Violation	Fecal Coliform	1725	>	1000	CFU/100 ml	Instantaneous Maximum
8/25/2020	Concentration 1 Effluent Violation	pH	5.3	<	6	S.U.	Minimum
8/25/2020	Concentration 2 Effluent Violation	Ammonia-Nitrogen	8.8	>	2.5	mg/L	Average Monthly
8/25/2020	Concentration 2 Effluent Violation	Iron, Total	5.4	>	2	mg/L	Average Monthly
8/25/2020	Concentration 2 Effluent Violation	Manganese, Total	1.5	>	1	mg/L	Average Monthly
8/25/2020	Concentration 2 Effluent Violation	Total Suspended Solids	37	>	30	mg/L	Average Monthly
8/25/2020	Concentration 3 Effluent Violation	Ammonia-Nitrogen	11.6	>	5	mg/L	Instantaneous Maximum
8/25/2020	Concentration 3 Effluent Violation	Iron, Total	8.4	>	4	mg/L	Daily Maximum
8/25/2020	Concentration 3 Effluent Violation	Manganese, Total	2.6	>	2	mg/L	Daily Maximum
9/25/2020	Concentration 1 Effluent Violation	pH	5.3	<	6	S.U.	Minimum
9/25/2020	Concentration 2 Effluent Violation	Ammonia-Nitrogen	7.6	>	2.5	mg/L	Average Monthly
9/25/2020	Concentration 2 Effluent Violation	Fecal Coliform	2734	>	200	CFU/100 ml	Geometric Mean
9/25/2020	Concentration 3 Effluent Violation	Ammonia-Nitrogen	12.85	>	5	mg/L	Instantaneous Maximum
9/25/2020	Concentration 3 Effluent Violation	Fecal Coliform	> 6000	>	1000	CFU/100 ml	Instantaneous Maximum
10/22/2020	Concentration 2 Effluent Violation	Ammonia-Nitrogen	6.7	>	2.5	mg/L	Average Monthly
10/22/2020	Concentration 2 Effluent Violation	Fecal Coliform	2036	>	200	CFU/100 ml	Geometric Mean
10/22/2020	Concentration 2 Effluent Violation	Iron, Total	2.7	>	2	mg/L	Average Monthly
10/22/2020	Concentration 3 Effluent Violation	Ammonia-Nitrogen	18.3	>	5	mg/L	Instantaneous Maximum
10/22/2020	Concentration 3 Effluent Violation	Fecal Coliform	> 6000	>	1000	CFU/100 ml	Instantaneous Maximum
10/22/2020	Concentration 3 Effluent Violation	Iron, Total	4.9	>	4	mg/L	Daily Maximum
12/28/2020	Concentration 3 Effluent Violation	Iron, Total	4.2	>	4	mg/L	Daily Maximum
1/25/2021	Concentration 2 Effluent Violation	Iron, Total	4.7	>	2	mg/L	Average Monthly
1/25/2021	Concentration 2 Effluent Violation	Manganese, Total	1.2	>	1	mg/L	Average Monthly
1/25/2021	Concentration 3 Effluent Violation	Iron, Total	7.3	>	4	mg/L	Daily Maximum
2/24/2021	Concentration 2 Effluent Violation	Iron, Total	2.4	>	2	mg/L	Average Monthly

Submission Date	Noncompliance Category	Parameter	Sample Value	Violation Condition	Permit Value	Units	SBC
2/24/2021	Concentration 3 Effluent Violation	Iron, Total	4.1	>	4	mg/L	Daily Maximum

DEP/DCNR SAMPLING AGREEMENT

DCNR Region	Park	Design Flow (MGD)	NPDES Permit Number	Permit Expiration Date	Op Cert Class	Municipal Contributors	Weekend Sampling Currently?	pH, DO and TRC Requirement for Renewed Permit
1	Black Moshannon	0.05 / 0.2	PA0032441	10/31/2014	D-1	Rush Twp.*	No (not a permit requirement; samples pulled when staffing permits)	1/day year round
	Bald Eagle	0.45 / 0.562	PA0032492	8/31/2016	C-1	Howard Bo. & Liberty Twp.	Yes	1/day year round
	Denton Hill	0.013	PA0032514	12/31/2015	D-1	None	Yes	1/day (May - Sep), 3/week (Oct - Apr)
	Hills Creek	0.02 / 0.07	PA0044547	6/30/2014	D-1	Charleston Twp.	Yes	1/day year round
	Kettle Creek - Lower Campground	0.0022	PA0228869	10/31/2015	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Mount Pisgah	0.02 / 0.06	PA0044652	1/31/2012	D-1	None	Permit requires 5 samples per week. Samples pulled on days STOP is working.	1/day (May - Sep), 3/week (Oct - Apr)
	Parker Dam	0.09	PA0044245	12/31/2014	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Reeds Gap	0.037	PA0032506	4/30/2016	D-1	None	Required by permit - done on weekends while seasonal staff on board.	1/day (May - Sep), 3/week (Oct - Apr)
2	Clear Creek (sub sand filter)	0.00535	PA0240001	12/06/12-renewal submitted	D-2	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Cook Forest	0.079	PA0032468	7/31/2016	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Keystone	0.075	PA0032271	7/31/2014		None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Laurel Hill	0.019	PA0032247	3/31/2014	C-1,3	None	No (not a permit requirement)	1/day (May - Sep), 3/week (Oct - Apr)

DCNR Region	Park	Design Flow (MGD)	NPDES Permit Number	Permit Expiration Date	Op Cert Class	Municipal Contributors	Weekend Sampling Currently?	pH, DO and TRC Requirement for Renewed Permit
2	Moraine	0.225 / 0.45	PA0032531	12/16/2006	C-1	Prospect Bo.	No	1/day year round
	Ohiopyle - Boater's Change House	0.008	PA0096521	11/30/2014	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Ohiopyle - Campground	0.04	PA0032425	11/30/2014	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Ohiopyle - Presley Ridge	0.0045	PA0046116	8/31/2015	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Oil Creek (sub sand filter)	0.002	PA0045039	6/30/2015	Not Required	None	No	1/week year round
	Presque Isle	0.0175	PA0032549	7/22/2013	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Raccoon Creek	0.1	PA0031984	7/31/2014	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Ryerson Station	0.007	PA0217841	11/30/2013	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Yellow Creek	0.313	PA0032263	11/31/16	C-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
3	Canoe Creek	0.12	PA0044261	2/28/2017	C-1	Frankstown Twp.	No (not a permit requirement)	1/day year round
	Cowans Gap	0.03	PA0032964	12/31/2012	D-1,2	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Gifford Pinchot	0.216	PA0032000	2011 (in draft)	C-1	Wellsville Bo.*	Yes (DEP permits us to read sensors for weekend sampling)	1/day year round
	Greenwood Furnace	0.015	PA0031992	10/31/2013	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Little Buffalo	0.076	PA0031950	4/30/2013	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Prince Gallitzin	0.12	PA0032085	9/30/2014	C-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Shawnee	0.1	PA0032093	10/3/2016	D-1	Schellsburg Bo.	Required by permit - done Memorial Day through Labor Day weekends.	1/day year round

DCNR Region	Park	Design Flow (MGD)	NPDES Permit Number	Permit Expiration Date	Op Cert Class	Municipal Contributors	Weekend Sampling Currently?	pH, DO and TRC Requirement for Renewed Permit
4	Beltzville	0.035	PA0032107	3/31/2017	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Frances Slocum	0.08	PA0032433	10/31/2015	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Hickory Run	0.066	PA0032999	11/30/2015	D-1,2	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Lackawanna	0.108	PA0032140	4/30/12 (in draft)	C-1	None	No (not a permit requirement)	1/day (May - Sep), 3/week (Oct - Apr)
	Locust Lake	0.047	PA0032131	1/31/2013	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Nockamixon	0.02	PA0042641	8/31/2014	D-1	Vo-Tech	No	1/day year round
	Promised Land	0.2	PA0032123	9/30/2013	C-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Rickets Glen	0.105	PA0032115	6/30/2015	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)
	Tuscarora	0.026	PA0032077	10/31/2013	D-1	None	No	1/day (May - Sep), 3/week (Oct - Apr)

* Industrial contribution to plant from outside source(s).