

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

| Application No. | PA0031984 |
|------------------|-----------|
| APS ID | 824693 |
| Authorization ID | 1311956 |
| | |

Applicant and Facility Information

| Applicant Name | PADCNR | 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 Rec | eived <u>April 22, 2020</u> | EPA Waived? | Yes | | | |
| Date Application Acc | epted <u>April 23, 2020</u> | If No, Reason | | | | |
| Purpose of Application | n Renewal of an existing NPI | ewal 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 |

| Outfall No 001 | | Design Flow (MGD) | 0.1 | | |
|---|------------------|------------------------------|-------------------------|--|--|
| Latitude $40^{\circ}30^{\circ}$ | 0' 25 11" | Longitude | -80° 23' 6.32" | | |
| Quad Name Ho | okstown | 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 | | |
| Q7-10 Flow (cfs) | 0.053 | Q7-10 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 Impairm | nent <u>n/a</u> | | | | |
| Source(s) of Impairr | ment <u>n/a</u> | | | | |
| TMDL Status | Final | Name Raccoon Cre | ek Watershed | | |
| | | | | | |

Discharge, Receiving Waters and Water Supply Information

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.

| 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 |

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

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. 0 | 01 | Design Flow (MGD) | 0.1 |
|----------------|---------------------------|-------------------|----------------|
| Latitude 4 | 0º 30' 20.00" | Longitude | -80º 23' 5.00" |
| Wastewater Des | cription: 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 |
|-------------------------|-----------------|-----------------|--------------------|------------------|
| | 25 | Average Monthly | 133.102(a)(4)(i) | 92a.47(a)(1) |
| CBOD5 | 40 | Average Weekly | 133.102(a)(4)(ii) | 92a.47(a)(2) |
| Total Suspended | 30 | Average Monthly | 133.102(b)(1) | 92a.47(a)(1) |
| Solids | 45 | Average Weekly | 133.102(b)(2) | 92a.47(a)(2) |
| рН | 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.

NPDES Permit Fact Sheet Raccoon Creek State Park STP

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

| | | | Effluent L | imitations. | | | Monitoring Re | quirements |
|-----------------------------|-----------|--------------|------------|-------------|-------------|----------|---------------|------------|
| Baramatar | Mass Unit | ts (Ibs/day) | | Concentrat | ions (mg/L) | | Minimum | Required |
| Farameter | Average | Daily | | Average | Daily | Instant. | Measurement | Sample |
| | Monthly | Maximum | Minimum | Monthly | Maximum | Maximum | Frequency | Туре |
| | | | | | | | | |
| 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 |
| | | | | | 40 | | | 8-Hr |
| CBOD5 | XXX | XXX | XXX | 25 | Wkly Avg | 50 | 1/week | Composite |
| | | | | | 45 | | | 8-Hr |
| Total Suspended Solids | XXX | XXX | XXX | 30 | Wkly Avg | 60 | 1/week | Composite |
| Fecal Coliform (CFU/100 ml) | | | | 200 | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | Geo Mean | XXX | 1,000 | 1/week | Grab |
| Fecal Coliform (CFU/100 ml) | | | | 2,000 | | | | |
| Oct 1 - Apr 30 | XXX | XXX | XXX | Geo Mean | XXX | 10,000 | 1/week | Grab |
| Ammonia-Nitrogen | | | | | | | | 8-Hr |
| May 1 - Oct 31 | XXX | XXX | XXX | 2.5 | XXX | 5.0 | 1/week | Composite |
| Ammonia-Nitrogen | | | | | | | | 8-Hr |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 6.0 | XXX | 12.0 | 1/week | Composite |
| | | | | | | | | 8-Hr |
| Total Aluminum | XXX | XXX | XXX | 4.0 | 8.0 | XXX | 1/week | Composite |
| | | | | | | | | 8-Hr |
| Total Iron | XXX | XXX | XXX | 2.0 | 4.0 | XXX | 1/week | Composite |
| | | | | | | | | 8-Hr |
| Total Manganese | XXX | XXX | XXX | 1.0 | 2.0 | XXX | 1/week | Composite |

NPDES Permit Fact Sheet Raccoon Creek State Park STP

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

| | | Monitoring Requirements | | | | | | |
|------------------|--------------------|-------------------------|---------|--------------------|------------------|---------------------|--------------------------|----------------|
| Baramatar | Mass Unit | s (lbs/day) | | Concentrat | Minimum | Required | | |
| Parameter | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | Instant. Maximum | Measurement Frequency | Sample Type |
| 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.

| | | | Effluent L | imitations | | | Monitoring Re | quirements |
|-----------------------------|--------------------|-------------------|-----------------|--------------------|---------------------|---------------------|--------------------------|-------------------|
| Deremeter | Mass Unit | ts (Ibs/day) | | Concentrat | ions (mg/L) | | Minimum | Required |
| Farameter | Average Monthly | Average Weekly | Minimum | Average Monthly | Weekly Average | Instant. Maximum | Measurement Frequency | Sample Type |
| | 0.40 | Report | | ~~~~ | N/// | | Quality | Deserves |
| FIOW (MGD) | 0.10 | Dally Max | XXX | XXX | XXX | XXX | Continuous | Recorded |
| рн (S.U.) Oct 1 - Apr 30 | XXX | XXX | 6.0 Inst Min | xxx | XXX | 9.0 | 3/week | Grab |
| pH (S.U.) | | | 6.0 | | | | | |
| May 1 - Sep 30 | XXX | XXX | Inst Min | XXX | XXX | 9.0 | 1/day | Grab |
| DO Oct 1 Apr 20 | ~~~ | ~~~ | 5.0 | ~~~ | vvv | ~~~~ | 2/wook | Croh |
| | ~~~ | ~~~ | 5.0 | ~~~~ | ~~~~ | ~~~ | J/WEEK | Grab |
| May 1 - Sep 30 | xxx | xxx | 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 |
| | | | | | | | | 8-Hr |
| TSS | XXX | XXX | XXX | 30.0 | 45.0 | 60 | 1/week | Composite |
| Fecal Coliform (No./100 ml) | | | | 2000 | | | | |
| Oct 1 - Apr 30 | XXX | XXX | XXX | Geo Mean | XXX | 10000 | 1/week | Grab |
| Fecal Coliform (No./100 ml) | | | | 200 | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | Geo Mean | XXX | 1000 | 1/week | Grab |
| Total Nitrogen | XXX | XXX | xxx | XXX | Report Daily Max | xxx | 1/year | Grab |
| Ammonia | | | | | | | | 8-Hr |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 6.0 | XXX | 12.0 | 1/week | Composite |

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

| | Effluent Limitations | | | | | | | Monitoring Requirements | |
|------------------|----------------------|-------------------|---------|--------------------|-------------------|---------------------|--------------------------|-------------------------|--|
| Parameter | Mass Unit | s (lbs/day) | | Concentrat | tions (mg/L) | | Minimum | Required | |
| Farameter | Average Monthly | Average Weekly | Minimum | Average Monthly | Weekly Average | Instant. Maximum | Measurement Frequency | Sample Type | |
| Ammonia | | | | | | | | 8-Hr | |
| May 1 - Oct 31 | XXX | XXX | XXX | 2.5 | XXX | 5.0 | 1/week | Composite | |
| | | | | | Report | | | | |
| Total Phosphorus | XXX | XXX | XXX | XXX | Daily Max | XXX | 1/year | Grab | |
| | | | | | 8.0 | | | 8-Hr | |
| Total Aluminum | XXX | XXX | XXX | 4.0 | Daily Max | XXX | 1/week | Composite | |
| | | | | | 4.0 | | | 8-Hr | |
| Total Iron | XXX | XXX | XXX | 2.0 | Daily Max | XXX | 1/week | Composite | |
| | | | | | 2.0 | | | 8-Hr | |
| Total Manganese | XXX | XXX | XXX | 1.0 | Daily Max | XXX | 1/week | 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 |
| 0/05/0045 | Concentration 2 | Es sal Oslifarra | 700 | | 000 | | Geometric |
| 6/25/2015 | Concentration 3 | Fecal Collform | 760 | > | 200 | CF0/100 mi | Instantaneous |
| 6/25/2015 | Effluent Violation | Ammonia-Nitrogen | 11.11 | > | 5 | mg/L | Maximum |
| 6/25/2015 | Concentration 3 Effluent Violation | Fecal Coliform | 19000 | ~ | 1000 | CEU/100 ml | Instantaneous Maximum |
| 0/20/2010 | Concentration 2 | | 10000 | | 1000 | 01 0/100 111 | Geometric |
| 7/27/2015 | Effluent Violation | Fecal Coliform | 755 | > | 200 | CFU/100 ml | Mean |
| 7/27/2015 | Effluent Violation | Fecal Coliform | 20000 | > | 1000 | CFU/100 ml | Maximum |
| | Concentration 2 | | | | | | Average |
| 9/2/2015 | Effluent Violation | Ammonia-Nitrogen | 13.24 | > | 2.5 | mg/L | Monthly |
| 9/2/2015 | Effluent Violation | Ammonia-Nitrogen | 23.1 | > | 5 | mg/L | Maximum |
| C/07/004 C | Concentration 3 | Facel Californ | 45000 | | 1000 | | Instantaneous |
| 6/27/2016 | Concentration 3 | Fecal Coliform | 15000 | > | 1000 | CFU/100 mi | Instantaneous |
| 7/27/2016 | Effluent Violation | Fecal Coliform | 9300 | > | 1000 | CFU/100 ml | Maximum |
| 8/16/2016 | Concentration 2 | Ammonia Nitrogon | 2 79 | | 2.5 | mal | Average Monthly |
| 0/10/2010 | Concentration 3 | Ammonia-Nitrogen | 2.70 | > | 2.5 | ing/∟ | Instantaneous |
| 8/16/2016 | Effluent Violation | Ammonia-Nitrogen | 7.75 | > | 5 | mg/L | Maximum |
| 4/25/2017 | Concentration 1 | Dissolved Oxygen | 4.2 | - | 5 | ma/l | Minimum |
| 4/20/2011 | Concentration 3 | Total Residual | -1.2 | | 0 | ing/L | Instantaneous |
| 4/25/2017 | Effluent Violation | Chlorine (TRC) | 0.4 | > | 0.35 | mg/L | Maximum |
| 4/25/2017 | Load 1 Effluent Violation | Flow | 0.776 | > | 0.1 | MGD | Average Monthly |
| | Concentration 1 | | 0.1.10 | | | | |
| 5/23/2017 | Effluent Violation | Dissolved Oxygen | 4.9 | < | 5 | mg/L | Minimum |
| 5/23/2017 | Effluent Violation | Fecal Coliform | 12000 | > | 10000 | CFU/100 ml | Maximum |
| 0/00/0047 | Concentration 1 | | 1.0 | | _ | | N 41 1 |
| 6/23/2017 | Concentration 2 | Dissolved Oxygen | 1.2 | < | 5 | mg/L | Average |
| 6/23/2017 | Effluent Violation | Ammonia-Nitrogen | 2.6 | > | 2.5 | mg/L | Monthly |
| 7/25/2017 | Concentration 1 | | 12 | | 5 | mal | Minimum |
| 1/25/2017 | Concentration 2 | Dissolved Oxygen | 4.3 | < | 5 | ing/∟ | Average |
| 7/25/2017 | Effluent Violation | Ammonia-Nitrogen | 4.4 | > | 2.5 | mg/L | Monthly |
| 7/25/2017 | Concentration 3 | Ammonia-Nitrogen | 8 51 | | 5 | mg/l | Instantaneous |
| 1/23/2011 | Concentration 1 | Ammonia-Nitrogen | 0.01 | | 5 | iiig/L | Maximum |
| 8/25/2017 | Effluent Violation | Dissolved Oxygen | 4.5 | < | 5 | mg/L | Minimum |
| 8/25/2017 | Concentration 2 Effluent Violation | Ammonia-Nitrogen | 26.34 | > | 2.5 | ma/l | Average Monthly |
| 0,20,2011 | Concentration 2 | Total Residual | 20.01 | F | 2.0 | | Average |
| 8/25/2017 | Effluent Violation | Chlorine (TRC) | 0.16 | > | 0.15 | mg/L | Monthly |
| 8/25/2017 | Effluent Violation | Ammonia-Nitrogen | 32.07 | > | 5 | mg/L | Maximum |
| | Concentration 3 | Total Residual | | | | _ | Instantaneous |
| 8/25/2017 | Effluent Violation | Chlorine (TRC) | 0.97 | > | 0.35 | mg/L | Maximum |
| 9/28/2017 | Effluent Violation | Dissolved Oxygen | 1 | < | 5 | mg/L | Minimum |
| 0/00/2017 | Concentration 2 | | 0007 | | 000 | | Geometric |
| 9/28/2017 | Ettluent Violation | Fecal Coliform | 2085 | > | 200 | CFU/100 ml | Mean Instantaneous |
| 9/28/2017 | Effluent Violation | Ammonia-Nitrogen | 8.12 | > | 5 | mg/L | Maximum |

| Submission Date | Noncompliance Category | Parameter | Sample Value | Violation Condition | Permit Value | Units | SBC |
|--------------------|---------------------------|---------------------|-----------------|------------------------|-----------------|------------|---------------|
| | Concentration 3 | | | | | 00 | Instantaneous |
| 9/28/2017 | Effluent Violation | Fecal Coliform | 14000 | > | 1000 | CFU/100 ml | Maximum |
| | Concentration 3 | Total Residual | | | | | Instantaneous |
| 9/28/2017 | Effluent Violation | Chlorine (TRC) | 1.31 | > | 0.35 | mg/L | Maximum |
| | Concentration 1 | | | | | | |
| 10/26/2017 | Effluent Violation | Dissolved Oxygen | 1 | < | 5 | mg/L | Minimum |
| 40/00/0047 | Concentration 2 | | 400.00 | | | | Geometric |
| 10/26/2017 | Effluent Violation | Fecal Coliform | 493.68 | > | 200 | CFU/100 ml | Mean |
| 10/26/2017 | Effluent Violation | Fecal Coliform | 1200 | | 1000 | CEU/100 ml | Maximum |
| 10/20/2017 | Concentration 3 | Total Residual | 1200 | | 1000 | | |
| 10/26/2017 | Effluent Violation | Chlorine (TRC) | 0.9 | > | 0.35 | ma/L | Maximum |
| | Concentration 3 | Total Residual | | | | Ŭ | Instantaneous |
| 1/25/2018 | Effluent Violation | Chlorine (TRC) | 0.44 | > | 0.35 | mg/L | Maximum |
| | Concentration 1 | | | | | | |
| 2/26/2018 | Effluent Violation | Dissolved Oxygen | 3.9 | < | 5 | mg/L | Minimum |
| _ / / | Concentration 3 | | | | | | Instantaneous |
| 5/22/2018 | Effluent Violation | Fecal Coliform | > 20000 | > | 10000 | CFU/100 ml | Maximum |
| 6/00/0019 | Concentration 2 | Ammonia Nitrogon | 16.5 | | 25 | ~~~/l | Average |
| 0/22/2018 | | Ammonia-Nitrogen | 10.5 | > | 2.5 | mg/∟ | Geometric |
| 6/22/2018 | Effluent Violation | Fecal Coliform | 407.37 | ~ | 200 | CEU/100 ml | Mean |
| 0,22,2010 | Concentration 2 | Total Residual | 107.07 | - | 200 | | Average |
| 6/22/2018 | Effluent Violation | Chlorine (TRC) | 1.19 | > | 0.15 | mg/L | Monthly |
| | Concentration 3 | | | | | Ŭ | Instantaneous |
| 6/22/2018 | Effluent Violation | Ammonia-Nitrogen | 39.1 | > | 5 | mg/L | Maximum |
| | Concentration 3 | | | | | | Instantaneous |
| 6/22/2018 | Effluent Violation | Fecal Coliform | > 20000 | > | 1000 | CFU/100 ml | Maximum |
| 0/00/004.0 | Concentration 3 | I otal Residual | 1.01 | | 0.05 | | Instantaneous |
| 6/22/2018 | Enluent Violation | Chiorine (TRC) | 1.01 | > | 0.35 | mg/L | Average |
| 7/25/2018 | Effluent Violation | Ammonia-Nitrogen | 6.8 | | 25 | ma/l | Monthly |
| 1120/2010 | Concentration 2 | 7 annionia Patrogen | 0.0 | | 2.0 | iiig/E | Geometric |
| 7/25/2018 | Effluent Violation | Fecal Coliform | 2468 | > | 200 | CFU/100 ml | Mean |
| | Concentration 2 | Total Suspended | | | > 30 | | Average |
| 7/25/2018 | Effluent Violation | Solids | 37.5 | > | | mg/L | Monthly |
| | Concentration 3 | | | | | | Instantaneous |
| 7/25/2018 | Effluent Violation | Ammonia-Nitrogen | 16.3 | > | 5 | mg/L | Maximum |
| 7/25/2019 | Effluent Violation | Eccal Coliform | 6900 | | 1000 | CEU/100 ml | Maximum |
| 1/23/2010 | Concentration 2 | | 0000 | | 1000 | | |
| 8/24/2018 | Effluent Violation | Ammonia-Nitrogen | 14.4 | > | 2.5 | 2.5 ma/L | Monthly |
| | Concentration 2 | | | | | | Geometric |
| 8/24/2018 | Effluent Violation | Fecal Coliform | 5590 | > | 200 | CFU/100 ml | Mean |
| | Concentration 2 | | | | | | Average |
| 8/24/2018 | Effluent Violation | Iron, Total | 2.3 | > | 2 | mg/L | Monthly |
| 0/24/2010 | Concentration 2 | Total Suspended | 62 | | 20 | ~~~/l | Average |
| 0/24/2010 | Concentration 3 | 301105 | 03 | > | 30 | nng/∟ | |
| 8/24/2018 | Effluent Violation | Ammonia-Nitrogen | 20.4 | > | 5 | ma/l | Maximum |
| | Concentration 3 | gen | | | - | , | Instantaneous |
| 8/24/2018 | Effluent Violation | Fecal Coliform | 20000 | > | 1000 | CFU/100 ml | Maximum |
| | Concentration 3 | | | | | | Daily |
| 8/24/2018 | Effluent Violation | Iron, Total | 4.1 | > | 4 | mg/L | Maximum |
| | Concentration 3 | Total Suspended | | | | " | Weekly |
| 8/24/2018 | Effluent Violation | Solids | 63 | > | 45 | mg/L | Average |
| 0/24/2019 | Effluent Violation | Ammonia Nitrogon | 9.76 | | 2.5 | ma/l | Average |
| 3/24/2010 | Concentration 2 | Annonia-Milloyell | 0.70 | | 2.0 | ing/∟ | Geometric |
| 9/24/2018 | Effluent Violation | Fecal Coliform | 4183 | > | 200 | CFU/100 ml | Mean |
| | Concentration 2 | Total Suspended | | | | | Average |
| 9/24/2018 | Effluent Violation | Solids | 37 | > | 30 | mg/L | Monthly |
| | Concentration 3 | | | | | | Instantaneous |
| 9/24/2018 | Effluent Violation | Ammonia-Nitrogen | 15.93 | > | 5 | mg/L | Maximum |

| Submission Date | Noncompliance Category | Parameter | Sample Value | Violation Condition | Permit Value | Units | SBC |
|--------------------|----------------------------------|------------------|-----------------|------------------------|-----------------|------------|---------------|
| Duit | Concentration 3 | | Vulue | | Tuluo | 01110 | Instantaneous |
| 9/24/2018 | Effluent Violation | Fecal Coliform | > 20000 | > | 1000 | CFU/100 ml | Maximum |
| | Concentration 2 | A | | | | | Average |
| 10/25/2018 | Effluent Violation | Ammonia-Nitrogen | 5.2 | > | 2.5 | mg/L | Monthly |
| 10/25/2018 | Effluent Violation | Fecal Coliform | 6292 | > | 200 | CFU/100 ml | Mean |
| 10/20/2010 | Concentration 2 | Total Suspended | 0202 | | 200 | | Average |
| 10/25/2018 | Effluent Violation | Solids | 51 | > | 30 | mg/L | Monthly |
| | Concentration 3 | | . – | | _ | | Instantaneous |
| 10/25/2018 | Effluent Violation | Ammonia-Nitrogen | 15 | > | 5 | mg/L | Maximum |
| 10/25/2018 | Effluent Violation | Fecal Coliform | 9100 | ~ | 1000 | CFU/100 ml | Maximum |
| 10/20/2010 | Concentration 3 | Total Suspended | 0100 | - | 1000 | | Weekly |
| 10/25/2018 | Effluent Violation | Solids | 51 | > | 45 | mg/L | Average |
| | Concentration 2 | | | | | | Average |
| 1/2/2020 | Effluent Violation | Ammonia-Nitrogen | 3.6 | > | 2.5 | mg/L | Monthly |
| 1/2/2020 | Concentration 2 | Fecal Coliform | 5252 | | 2000 | CEU/100 ml | Geometric |
| 1/2/2020 | Concentration 3 | | 5252 | | 2000 | CF0/100111 | Instantaneous |
| 1/2/2020 | Effluent Violation | Ammonia-Nitrogen | 6.14 | > | 5 | ma/L | Maximum |
| | Concentration 3 | Ŭ | | | | Ŭ | Instantaneous |
| 1/2/2020 | Effluent Violation | Fecal Coliform | 16000 | > | 10000 | CFU/100 ml | Maximum |
| 40/04/0040 | Concentration 3 | | 00000 | | 40000 | | Instantaneous |
| 12/21/2018 | Effluent Violation | Fecal Coliform | > 20000 | > | 10000 | CFU/100 ml | Maximum |
| 5/24/2019 | Effluent Violation | Fecal Coliform | 11000 | > | 10000 | CFU/100 ml | Maximum |
| 0/2 1/2010 | Concentration 2 | | 11000 | | 10000 | | Average |
| 6/28/2019 | Effluent Violation | Ammonia-Nitrogen | 13.2 | > | 2.5 | mg/L | Monthly |
| _ / / | Concentration 3 | | | | | | Instantaneous |
| 6/28/2019 | /28/2019 Effluent Violation Ammo | | 30.4 | > | 5 | mg/L | Maximum |
| 7/28/2010 | Concentration 2 | Ammonia-Nitrogen | 3.8 | | 25 | ma/l | Average |
| 1120/2019 | Concentration 2 | Ammonia-Nitrogen | 5.0 | | 2.5 | ing/∟ | Geometric |
| 7/28/2019 | Effluent Violation | Fecal Coliform | 321 | > | 200 | CFU/100 ml | Mean |
| | Concentration 3 | | | | | | Instantaneous |
| 7/28/2019 | Effluent Violation | Ammonia-Nitrogen | 5.3 | > | 5 | mg/L | Maximum |
| 7/29/2010 | Concentration 3 | Eccol Coliform | 0200 | | 1000 | | Instantaneous |
| 7/26/2019 | Concentration 2 | Fecal Collionn | 0200 | > | 1000 | CF0/100 mi | |
| 8/29/2019 | Effluent Violation | Ammonia-Nitrogen | 5.5 | > | 2.5 | mg/L | Monthly |
| | Concentration 2 | U | | | | Ŭ | Average |
| 8/29/2019 | Effluent Violation | Iron, Total | 3.6 | > | 2 | mg/L | Monthly |
| 8/20/2010 | Concentration 2 | Manganaga Tatal | 1 1 | | 1 | ~~~~/l | Average |
| 0/29/2019 | Concentration 2 | Total Suspended | 1.1 | > | I | nig/L | Average |
| 8/29/2019 | Effluent Violation | Solids | 60 | > | 30 | ma/L | Monthly |
| | Concentration 3 | | | | | | Instantaneous |
| 8/29/2019 | Effluent Violation | Ammonia-Nitrogen | 10.94 | > | 5 | mg/L | Maximum |
| 0/00/0040 | Concentration 3 | | | | | | Daily |
| 8/29/2019 | Effluent Violation | Iron, Iotal | 6.8 | > | 4 | mg/L | Maximum |
| 8/29/2019 | Effluent Violation | Manganese, Total | 2.8 | > | 2 | ma/L | Maximum |
| | Concentration 3 | Total Suspended | | | _ | | Weekly |
| 8/29/2019 | Effluent Violation | Solids | 60 | > | 45 | mg/L | Average |
| | Concentration 2 | A | 0.00 | | | | Average |
| 9/24/2019 | Ettluent Violation | Ammonia-Nitrogen | 2.96 | > | 2.5 | mg/L | Monthly |
| 9/24/2019 | Effluent Violation | Fecal Coliform | 1403 | 5 | 200 | CEU/100 ml | Mean |
| 0,27,2013 | Concentration 3 | | 1700 | | 200 | | Instantaneous |
| 9/24/2019 | Effluent Violation | Ammonia-Nitrogen | 6.71 | > | 5 | mg/L | Maximum |
| | Concentration 3 | | | | | | Instantaneous |
| 9/24/2019 | Effluent Violation | Fecal Coliform | 10400 | > | 1000 | CFU/100 ml | Maximum |
| 10/28/2010 | Effluent Violation | Ammonia-Nitrogen | 51 | | 5 | ma/l | Instantaneous |
| 10/20/2019 | | Annonia-Milloyen | J. I | > | 5 | iiig/∟ | |

| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Submission Date | Noncompliance Category | Parameter | Sample Value | Violation Condition | Permit Value | Units | SBC |
|---|--------------------|---------------------------|-------------------|-----------------|------------------------|-----------------|------------|------------------|
| 10/28/2019 Effluent Violation Fecal Coliform 3100 > 1000 CFU/100 ml Maximum 6/26/2020 Effluent Violation Amonia-Nitrogen 8.3 > 2.5 mg/L Monthly 6/26/2020 Effluent Violation Iron, Total 2.813 > 2 mg/L Monthly 6/26/2020 Effluent Violation Iron, Total 2.813 > 5 mg/L Monthly 6/26/2020 Effluent Violation Iron, Total 4.86 > 4 mg/L Maximum 6/26/2020 Effluent Violation Iron, Total 4.86 > 4 mg/L Maximum 7/28/2020 Effluent Violation Amonia-Nitrogen 11 > 5 mg/L Monthly 7/28/2020 Effluent Violation Fecal Coliform 1725 > 1000 CFU/100 ml Maximum 8/25/2020 Effluent Violation Fecal Coliform 1725 > 1000 CFU/100 ml Maximum 8/25/2020 | Duto | Concentration 3 | | Value | Condition | Value | Onico | Instantaneous |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 10/28/2019 | Effluent Violation | Fecal Coliform | 3100 | > | 1000 | CFU/100 ml | Maximum |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 6/26/2020 | Concentration 2 | Ammonia Nitrogon | 0.2 | | 2.5 | mal | Average |
| 6/26/2020 Effluent Violation 3 Iron, Total 2.813 > 2 mg/L Monthly 6/26/2020 Effluent Violation 4 Ammonia-Nitrogen 31.5 > 5 mg/L Maximum 6/26/2020 Effluent Violation 1 Iron, Total 4.86 > 4 mg/L Maximum 6/26/2020 Effluent Violation 2 Iron, Total 4.86 > 4 mg/L Maximum 7/28/2020 Effluent Violation 3 Iron, Total 4.8 > 2.5 mg/L Maximum 7/28/2020 Effluent Violation 7 Pecal Colform 1725 1000 CFU/100 ml Maximum 8/25/2020 Effluent Violation 1 pH 5.3 < | 0/20/2020 | Concentration 2 | Animonia-Millogen | 0.3 | > | 2.0 | mg/∟ | Average |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 6/26/2020 | Effluent Violation | Iron, Total | 2.813 | > | 2 | mg/L | Monthly |
| $\begin{array}{rcl} 6/26/2020 \\ effluent Violation A mmonia-Nitrogan 31.5 > 5 mg/L Maximum Violation 3 mron, Total 4.86 > 4 mg/L Maximum Violation 2 mron, Total 4.86 > 4 mg/L Maximum Violation 2 mron, Total 4.86 > 4 mg/L Maximum Violation 2 mron, Total 5.8 Product Violation 4 mronia-Nitrogan 11 > 5 mg/L Maximum Violation 3 mronia-Nitrogan 11 > 5 mg/L Maximum Maximum Violation 3 mronia-Nitrogan 11 > 5 mg/L Maximum Violation 1 effluent Violation 1 PH 5.3 < 6 S.U. Minimum 8/25/2020 Effluent Violation 1 PH 5.3 < 6 S.U. Minimum 8/25/2020 Effluent Violation 1 pH 5.3 < 6 S.U. Minimum 8/25/2020 Effluent Violation 1 ron, Total 5.4 > 2 mg/L Monthly Violation 2 mronia-Nitrogan 1.5 > 1 mg/L Monthly 8/25/2020 Effluent Violation 1 ron, Total 5.4 > 2 mg/L Monthly 8/25/2020 Effluent Violation 1 ron, Total 5.4 > 2 mg/L Monthly 8/25/2020 Effluent Violation 1 ron, Total 5.4 > 2 mg/L Monthly 8/25/2020 Effluent Violation 1 ron, Total 8.4 > 4 mg/L Monthly 8/25/2020 Effluent Violation 3 mronia-Nitrogan 11.6 > 5 mg/L Monthly 8/25/2020 Effluent Violation 1 ron, Total 8.4 > 4 mg/L Monthly 8/25/2020 Effluent Violation 1 ron, Total 8.4 > 4 mg/L Maximum 8/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25/2020 Effluent Violation A mmonia-Nitrogan 7.6 > 2.5 mg/L Maximum 6/25$ | | Concentration 3 | | | | | | Instantaneous |
| 6/26/2020 Editeratividation Iron, Total 4.86 > 4 mg/L Maximum 7/28/2020 Concentration 2 mg/L Maximum Average 7/28/2020 Effuent Violation Ammonia-Nitrogen 1.5 mg/L Maximum 7/28/2020 Effuent Violation Ammonia-Nitrogen 1.1 5 mg/L Maximum 7/28/2020 Effuent Violation Ammonia-Nitrogen 1.1 5 mg/L Maximum 7/28/2020 Effuent Violation Ammonia-Nitrogen 1.2 1000 CFU/100 ml Maximum 8/25/2020 Effuent Violation Ammonia-Nitrogen 8.8 2.5 mg/L Monthly 8/25/2020 Effuent Violation Ammonia-Nitrogen 8.8 2 1 Average 8/25/2020 Effuent Violation Amontajese, Total 5.4 2 mg/L Monthly 8/25/2020 Effuent Violation Amontajese, Total 5.5 1 Maximum 8/25/2020 Effuent Violation Amontaje | 6/26/2020 | Effluent Violation | Ammonia-Nitrogen | 31.5 | > | 5 | mg/L | Maximum |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 6/26/2020 | Effluent Violation | Iron. Total | 4.86 | > | 4 | ma/L | Maximum |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Concentration 2 | | | | - | | Average |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 7/28/2020 | Effluent Violation | Ammonia-Nitrogen | 8.6 | > | 2.5 | mg/L | Monthly |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 7/28/2020 | Concentration 3 | Ammonia-Nitrogen | 11 | | 5 | ma/l | Instantaneous |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1120/2020 | Concentration 3 | Animonia-Nillogen | 11 | | 5 | iiig/∟ | Instantaneous |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 7/28/2020 | Effluent Violation | Fecal Coliform | 1725 | > | 1000 | CFU/100 ml | Maximum |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Concentration 1 | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 8/25/2020 | Effluent Violation | рН | 5.3 | < | 6 | S.U. | Minimum |
| BitsDisplayDisplayDisplayDisplayDisplayAverage8/25/2020Effluent ViolationMarganese, Total5.4>2mg/LMonthly8/25/2020Effluent ViolationMarganese, Total1.5>1mg/LMonthlyConcentration 2Total Suspended37>30mg/LMonthly8/25/2020Effluent ViolationAverage11.6>5mg/LMonthly8/25/2020Effluent ViolationAmmonia-Nitrogen11.6>5mg/LMaximum8/25/2020Effluent ViolationIron, Total8.4>4mg/LMaximum0Concentration 3Iron, Total8.4>4mg/LMaximum0Concentration 1Iron, Total8.4>4mg/LMaximum0Concentration 1Iron, Total8.4>4mg/LMaximum0Concentration 1Marganese, Total2.6>2mg/LMaximum0Concentration 2Iffluent ViolationPH5.3< | 8/25/2020 | Effluent Violation | Ammonia-Nitrogen | 8.8 | > | 2.5 | ma/L | Monthly |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Concentration 2 | gen gen | | | | | Average |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 8/25/2020 | Effluent Violation | Iron, Total | 5.4 | > | 2 | mg/L | Monthly |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 9/25/2020 | Concentration 2 | Manganaga Tatal | 1 5 | | 1 | ~~~/l | Average |
| 8/25/2020Effluent ViolationSolids37>30mg/LMonthly8/25/2020Effluent ViolationAmmonia-Nitrogen11.6>5mg/LMaximum8/25/2020Effluent ViolationIron, Total8.4>4mg/LMaximum8/25/2020Effluent ViolationIron, Total8.4>4mg/LMaximum8/25/2020Effluent ViolationManganese, Total2.6>2mg/LMaximum9/25/2020Effluent ViolationpH5.3< | 0/23/2020 | Concentration 2 | Total Suspended | 1.5 | > | I | mg/∟ | Average |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 8/25/2020 | Effluent Violation | Solids | 37 | > | 30 | mg/L | Monthly |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Concentration 3 | | | | | | Instantaneous |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 8/25/2020 | Effluent Violation | Ammonia-Nitrogen | 11.6 | > | 5 | mg/L | Maximum |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 8/25/2020 | Effluent Violation | Iron Total | 84 | > | 4 | ma/l | Maximum |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 0/20/2020 | Concentration 3 | | 0.1 | - | | | Daily |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 8/25/2020 | Effluent Violation | Manganese, Total | 2.6 | > | 2 | mg/L | Maximum |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 0/05/0000 | Concentration 1 | | 5.0 | | <u> </u> | <u></u> | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 9/25/2020 | Concentration 2 | μΠ | 0.3 | < | 0 | 5.0. | Average |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 9/25/2020 | Effluent Violation | Ammonia-Nitrogen | 7.6 | > | 2.5 | mg/L | Monthly |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Concentration 2 | | | | | | Geometric |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 9/25/2020 | Effluent Violation | Fecal Coliform | 2734 | > | 200 | CFU/100 ml | Mean |
| Concentration 3 Face of the second secon | 9/25/2020 | Effluent Violation | Ammonia-Nitrogen | 12.85 | > | 5 | ma/L | Maximum |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | Concentration 3 | | | | | | Instantaneous |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 9/25/2020 | Effluent Violation | Fecal Coliform | > 6000 | > | 1000 | CFU/100 ml | Maximum |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 10/22/2020 | Concentration 2 | Ammonia-Nitrogen | 67 | | 2.5 | ma/l | Average |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 10/22/2020 | Concentration 2 | Annonia-Nillogen | 0.7 | | 2.5 | ing/∟ | Geometric |
| Concentration 2 10/22/2020Iron, Total2.7>2MyLAverage MonthlyConcentration 3 10/22/2020Concentration 3 Effluent ViolationAmmonia-Nitrogen18.3>5mg/LMaximumConcentration 3 10/22/2020Effluent ViolationAmmonia-Nitrogen18.3>5mg/LMaximumConcentration 3 10/22/2020Effluent ViolationFecal Coliform> 6000>1000CFU/100 mlMaximumConcentration 3 10/22/2020Effluent ViolationIron, Total4.9>4mg/LMaximumConcentration 3 12/28/2020Effluent ViolationIron, Total4.2>4mg/LMaximumConcentration 2 1/25/2021Effluent ViolationIron, Total4.7>2mg/LMonthlyConcentration 2 1/25/2021Effluent ViolationIron, Total4.7>2mg/LMonthlyConcentration 3 1/25/2021Effluent ViolationIron, Total4.7>2mg/LMonthlyConcentration 2 1/25/2021Iffluent ViolationIron, Total1.2>1mg/LMonthlyConcentration 3 1/25/2021Iffluent ViolationIron, Total7.3>4mg/LMaximumConcentration 3 1/25/2021Iffluent ViolationIron, Total7.3>4mg/LMaximumConcentration 2 2/24/2021Iffluent ViolationIron, Total7.3>4mg/LMax | 10/22/2020 | Effluent Violation | Fecal Coliform | 2036 | > | 200 | CFU/100 ml | Mean |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 40/00/0000 | Concentration 2 | lasa Tatal | 0.7 | | 0 | | Average |
| 10/22/2020Effluent ViolationAmmonia-Nitrogen18.3>5mg/LMaximumConcentration 3Concentration 3Fecal Coliform> 6000>1000CFU/100 mlInstantaneous10/22/2020Effluent ViolationFecal Coliform> 6000>1000CFU/100 mlMaximumConcentration 3Concentration 3InstantaneousDailyMaximum10/22/2020Effluent ViolationIron, Total4.9>4mg/LMaximumConcentration 3Iron, Total4.2>4mg/LMaximum12/28/2020Effluent ViolationIron, Total4.2>4mg/LMaximumConcentration 2Iron, Total4.7>2mg/LMonthly1/25/2021Effluent ViolationIron, Total4.7>2mg/LMonthlyConcentration 2Iron, Total1.2>1mg/LMonthly1/25/2021Effluent ViolationManganese, Total1.2>1mg/LMaximum1/25/2021Effluent ViolationIron, Total7.3>4mg/LMaximum1/25/2021Effluent ViolationIron, Total7.3>4mg/LMaximum2/24/2021Effluent ViolationIron, Total2.4>2mg/LMonthly | 10/22/2020 | Concentration 3 | Iron, Iotai | 2.7 | > | 2 | mg/∟ | |
| Concentration 3 Fecal Coliform > 6000 > 1000 CFU/100 ml Instantaneous 10/22/2020 Effluent Violation Iron, Total 4.9 > 4 mg/L Maximum 10/22/2020 Effluent Violation Iron, Total 4.9 > 4 mg/L Maximum 10/22/2020 Effluent Violation Iron, Total 4.9 > 4 mg/L Maximum 12/28/2020 Effluent Violation Iron, Total 4.2 > 4 mg/L Maximum 12/28/2020 Effluent Violation Iron, Total 4.2 > 4 mg/L Maximum Concentration 2 Iron, Total 4.7 > 2 mg/L Monthly Macconcentration 2 Iron, Total 4.7 > 2 mg/L Monthly Macconcentration 2 Iron, Total 1.2 > 1 mg/L Monthly Macconcentration 3 Iron, Total 7.3 > 4 mg/L Maximum 1/25/2021 Effluent Violation Iron, Total 7.3 > <td>10/22/2020</td> <td>Effluent Violation</td> <td>Ammonia-Nitrogen</td> <td>18.3</td> <td>></td> <td>5</td> <td>mg/L</td> <td>Maximum</td> | 10/22/2020 | Effluent Violation | Ammonia-Nitrogen | 18.3 | > | 5 | mg/L | Maximum |
| 10/22/2020Effluent ViolationFecal Coliform> 6000>1000CFU/100 mlMaximumConcentration 3Iron, Total4.9>4mg/LMaximum10/22/2020Effluent ViolationIron, Total4.9>4mg/LMaximumConcentration 3Iron, Total4.2>4mg/LMaximum12/28/2020Effluent ViolationIron, Total4.2>4mg/LMaximumConcentration 2Iron, Total4.7>2mg/LMonthlyConcentration 2Iron, Total1.2>1mg/LMonthlyConcentration 3Iron, Total1.2>1mg/LMonthly1/25/2021Effluent ViolationIron, Total7.3>4mg/LMaximumConcentration 3Iron, Total7.3>4mg/LMaximum2/24/2021Effluent ViolationIron, Total7.3>4mg/LMaximum | | Concentration 3 | | | | | | Instantaneous |
| Concentration 3 Iron, Total 4.9 A mg/L Maximum 10/22/2020 Effluent Violation Iron, Total 4.9 > 4 mg/L Maximum 12/28/2020 Effluent Violation Iron, Total 4.2 > 4 mg/L Maximum 12/28/2020 Effluent Violation Iron, Total 4.2 > 4 mg/L Maximum Concentration 2 Iron, Total 4.7 > 2 mg/L Monthly Concentration 2 Iron, Total 4.7 > 2 mg/L Monthly 1/25/2021 Effluent Violation Iron, Total 1.2 > 1 mg/L Monthly Concentration 3 Iron, Total 1.2 > 1 mg/L Monthly 1/25/2021 Effluent Violation Iron, Total 7.3 > 4 mg/L Maximum 1/25/2021 Effluent Violation Iron, Total 7.3 > 4 mg/L Maximum 2/24/2021 Effluent Violation Iron, Total 2.4 > 2 | 10/22/2020 | Effluent Violation | Fecal Coliform | > 6000 | > | 1000 | CFU/100 ml | Maximum |
| 10/12/2020 Effluent Violation Iron, Total 1.0 2 1 Ing/L Induition 12/28/2020 Effluent Violation Iron, Total 4.2 > 4 mg/L Maximum Concentration 2 Concentration 2 Average Average 1/25/2021 Effluent Violation Iron, Total 4.7 > 2 mg/L Monthly Concentration 2 Iron, Total 4.7 > 2 mg/L Monthly 1/25/2021 Effluent Violation Iron, Total 4.7 > 2 mg/L Monthly 1/25/2021 Effluent Violation Manganese, Total 1.2 > 1 mg/L Monthly 1/25/2021 Effluent Violation Iron, Total 7.3 > 4 mg/L Maximum Concentration 2 Iron, Total 7.3 > 4 mg/L Maximum Concentration 2 Iron, Total 2.4 > 2 mg/L Monthly | 10/22/2020 | Effluent Violation | Iron Total | 49 | ~ | 4 | ma/l | Dally Maximum |
| 12/28/2020 Effluent Violation Iron, Total 4.2 > 4 mg/L Maximum Concentration 2 Concentration 2 Average Average 1/25/2021 Effluent Violation Iron, Total 4.7 > 2 mg/L Monthly Concentration 2 Iron, Total 4.7 > 2 mg/L Monthly 1/25/2021 Effluent Violation Manganese, Total 1.2 > 1 mg/L Monthly Concentration 3 Iron, Total 7.3 > 4 mg/L Maximum 1/25/2021 Effluent Violation Iron, Total 7.3 > 4 mg/L Maximum Concentration 2 Iron, Total 7.3 > 4 mg/L Maximum 2/24/2021 Effluent Violation Iron, Total 2.4 > 2 mg/L Monthly | 10/22/2020 | Concentration 3 | | 1.0 | - | | iiig/L | Daily |
| Concentration 2 1/25/2021Concentration 2 Effluent ViolationIron, Total4.7>2mg/LAverage MonthlyConcentration 2 | 12/28/2020 | Effluent Violation | Iron, Total | 4.2 | > | 4 | mg/L | Maximum |
| 1/25/2021 Effluent violation Iron, Total 4.7 > 2 mg/L Monthly 1/25/2021 Effluent Violation Manganese, Total 1.2 > 1 mg/L Monthly 1/25/2021 Effluent Violation Manganese, Total 1.2 > 1 mg/L Monthly Concentration 3 Iron, Total 7.3 > 4 mg/L Maximum Concentration 2 Iron, Total 2.4 > 2 mg/L Monthly | 1/05/0004 | Concentration 2 | Ince Tatal | 4 7 | | _ | | Average |
| 1/25/2021 Effluent Violation Manganese, Total 1.2 > 1 mg/L Monthly 1/25/2021 Concentration 3 Iron, Total 7.3 > 4 mg/L Maximum 1/25/2021 Effluent Violation Iron, Total 7.3 > 4 mg/L Maximum 1/25/2021 Effluent Violation Iron, Total 2.4 > 2 mg/L Monthly | 1/25/2021 | Concentration 2 | Iron, Iotal | 4./ | > | 2 | mg/L | |
| Concentration 3 Daily 1/25/2021 Effluent Violation Iron, Total 7.3 > 4 mg/L Maximum Concentration 2 Concentration 2 Average 2/24/2021 Effluent Violation Iron, Total 2.4 > 2 mg/L Monthly | 1/25/2021 | Effluent Violation | Manganese, Total | 1.2 | > | 1 | mg/L | Monthly |
| 1/25/2021Effluent ViolationIron, Total7.3>4mg/LMaximumConcentration 22/24/2021Effluent ViolationIron, Total2.4>2mg/LMonthly | | Concentration 3 | | | | | ~ | Daily |
| 2/24/2021 Effluent Violation Iron, Total 2.4 > 2 mo/L Monthly | 1/25/2021 | Effluent Violation | Iron, Total | 7.3 | > | 4 | mg/L | Maximum |
| | 2/24/2021 | Effluent Violation | Iron, Total | 2.4 | > | 2 | ma/L | Monthly |

| Submission Date | Noncompliance Category | Parameter | Sample Value | Violation Condition | Permit Value | Units | SBC |
|--------------------|---------------------------|-------------|-----------------|------------------------|-----------------|-------|---------|
| | Concentration 3 | | | | | | Daily |
| 2/24/2021 | Effluent Violation | Iron, Total | 4.1 | > | 4 | mg/L | 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 |
|----------------|------------------------------------|----------------------|---------------------------|-----------------------------------|------------------|---------------------------------|--|---|
| | 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) |
| 1 | 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) |
| | 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) |
| 2 | 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 |
|----------------|-------------------------------------|----------------------|---------------------------|------------------------------|------------------|---------------------------|--|---|
| | 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) |
| 2 | 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) |
| | 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 |
| 3 | 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 |
|----------------|----------------|----------------------|---------------------------|------------------------------|------------------|---------------------------|--------------------------------|---|
| | 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) |
| 4 | 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).