



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

May 31, 2013

RE: ODNR PYMATUNING STATE PARK
NPDES PERMIT NO. 3PP00013
ANDOVER TWP, ASHTABULA COUNTY
COMPLIANCE EVALUATION INSPECTION

Mr. Mark Broughton, Assistant Park Manager
Ohio Department of Natural Resources
Pymatuning State Park
P.O. Box 1000
Andover, OH 44003

Dear Mr. Broughton:

On May 30, 2013, a site inspection was conducted at the above referenced facility on South Pymatuning Lake Road, Andover Township, Ashtabula County. The inspection was conducted by John Schmidt of this office. Troy Orahod and Teresa Sasala represented the Ohio Department of Natural Resources (ODNR). The purpose of the inspection was to evaluate the facility's compliance status with respect to the terms and conditions of the facility's National Pollutant Discharge Elimination System (NPDES) permit. The last compliance inspections were conducted on July 5, 2013.

There are two wastewater treatment facilities that serve the state park, one known as the Campground wastewater treatment plant (WWTP) and the other known as the Beach/Marina WWTP. The Campground WWTP contains flow equalization tanks, and each system consists of a trash trap/comminutor (muffin monster), extended aeration tanks, clarification, surface sand filtration, chlorine disinfection, dechlorination, and post disinfection aeration. Sludge management of sludge removal from aerated sludge tanks/digesters when needed to another publicly owned treatment works (POTW). The Campground WWTP discharges to Pymatuning Reservoir (Shenango River) adjacent to the east side of the facility approximately 2 miles south of State Route 85. The Beach / Marina WWTP discharges to Pymatuning Reservoir (Shenango River) adjacent to the west side of the facility near State Route 85. No backup power is provided to either facility; however each facility is provided with alarms.

Observations and Notations

Following are observations and notations made during the inspection:

1. From July 4, 2012 to May 30, 2013, the primary plant operator of both plants was Troy Orahod, with the secondary plant operator designated as Kenneth Griffith. As of May 31, 2013, the primary operator of both plants is designated as Kenneth Griffith. Both Mr. Orahod and Mr. Griffith are ODNR employees; however, as of May 30, 2013, Mr. Orahod will be leaving employment with ODNR. Mr. Orahod has completed an operator notification form to remove himself as operator of record effective May 31, 2013.
2. Log books, a copy of the NPDES permit, and the operation and maintenance manuals for both plants are maintained at the water treatment plant laboratory and were available for inspection. The logs were inspected and found compliant with OAC 3745-7-09.

3. The overall condition of each treatment plant during this inspection was satisfactory with the plants well kept. Collected trash was containerized for disposal at a solid waste landfill.
4. Sludge was last removed from the facilities on November 24, 2009. Sludge is hauled by County Waste. No changes to either plant are noted from the last inspection.

Campground WWTP

5. The design flow of the extended aeration plant is 80,000 gallons per day. Both sides of the plant were operating at the time of the inspection. Ohio EPA notes that the plant has still not been wired for backup power and provisions made to provide backup power in the event that it is needed. In the past this plant has gone septic from prolonged power outages, resulting in partially treated sewage discharged to Pymatuning Lake. This will likely be a condition of your next NPDES permit renewal.
6. The collection system for this WWTP consists of gravity sewers and three large pump stations, three medium pump stations, and two small pump stations. The pump stations appear to be in working order at the time of the inspection.
7. The influent sampler (Sigma) has been disconnected and is currently being scavenged for parts. This sampler was formerly used for internal process control samples only.
8. The flow equalization tank was found in operating condition, providing good aeration and mixing. The blowers were cycled and found in operating condition. The alarms were tested and found in operating condition.
9. The content of the aeration tank had a chocolate brown color and good mixing. Sludge returns were also a chocolate brown color with no foaming. The skimmers were functioning properly and returning a clear discharge. This is an indication of a plant in proper operation. The blowers were cycled and found in operating condition. The alarms were tested and found in operating condition.
10. The surface of the clarifier was clear and clear of scum. Effluent channels, weirs and sidewalls of the east clarifier were very clean. Weirs and effluent channels are scrubbed several days a week.
11. The sand filter dosing tanks were observed in operable condition. Pumps and alarms were cycled and found in operable condition.
12. Surface sand filters in operation were reasonably clean and operable. The northeast filter was in operation at the time of the inspection. Some filters that are currently out of service must have a small amount of accumulated weeds removed prior to placing into service. The effluent discharged to the sand filter during the inspection was clear and free of color and turbidity. The wastewater percolated freely through the sand indicating that the beds were not clogged.
13. The final effluent composite sampler (Sigma) is no longer used. Flow composite samples consist of a series of grab samples as specified in the NPDES permit.
14. The disinfection system was found stocked with the appropriate chemicals. ODNR feeds liquid sodium hypochlorite and uses dechlorination tablets to remove excess chlorine residual. The tanks were cleaned in April 2013.

15. The final discharge (Outfall 001) at the unnamed tributary to Pymatuning Reservoir was observed in acceptable visual quality. No sludge or algal growth was noted at the final discharge.
16. Samples are collected by Mr. Orahood, Mr. Griffith, or Ms. Sasala, who also perform on-site analysis of pH and DO and perform observations of flow, color, odor, and turbidity. Alloway Laboratories provides the sample bottles and preservatives and performs laboratory analysis of collected samples. Mr. Orahood or Mr. Griffith submits the data to Ohio EPA's electronic discharge monitoring report (eDMR) system.

Beach/Marina WWTP

17. The design flow of the extended aeration plant is 15,000 gallons per day. The beach/marina portion of the park is closed from October 2012 through May 2013. A water issue has kept the marina restrooms closed which are tributary to this facility.
18. The wet well blower found in operating condition.
19. The content of the aeration tank was a medium to light brown color with good aeration and no odor. Blowers and alarms were cycled and found in operating condition. Return lines were operating. The plant is biologically under-loaded.
20. The surface of the final clarifiers was clear and the sides appear to be scraped, with clean effluent channels and weirs. The skimmer was working.
21. The dosing pumps and alarms were cycled and found in operating condition.
22. The east bed was in operation at the time of the inspection. Surface sand filters were clean and raked. The effluent discharged to the sand filter was observed as clear, with water percolating through the beds. The walls of the sand filters should be inspected and grouted and sealed as necessary.
23. The disinfection system was found to be stocked with the appropriate chemicals and clean. The disinfection tank was found to be missing the tablet chlorinator. Currently, chlorine tablets are added to the clarifier effluent weir. A tablet chlorinator must be obtained and installed in the chlorine contact tank.
24. The final effluent at the disinfection tank outlet was observed as of acceptable visual quality. The final outfall to Pymatuning Reservoir was observed as of acceptable visual quality.

NPDES Permit Compliance Review

A review of the electronic discharge self-monitoring reports (eDMRs) received by Ohio EPA for the period June 1, 2012 through May 1, 2013 indicates apparent noncompliance of the terms and conditions of your NPDES permit. Specific instances of noncompliance are as follows:

Limit Violations

The following limit violations were noted for the period reviewed:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
002	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	3.79	8/1/2012
002	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	3.79	8/8/2012

Part III, Item 12 of your NPDES permit requires you to notify Ohio EPA of any violations, along with measures taken to ensure that they are not repeated. A fact sheet on this requirement may be found online at http://epa.ohio.gov/portals/35/permits/24-hour_Report_FactSheet.pdf. Noncompliance notification forms may be found online at <http://epa.ohio.gov/dsw/permits/individuals.aspx>. Ohio EPA received notification of the August 2012 violations on September 24, 2012. No additional information is needed to respond to the violation.

Reporting Violations

No reporting code or reporting frequency violations were noted for the period reviewed.

Compliance Schedule

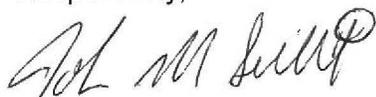
Your NPDES permit contains the following compliance schedule:

Permit Effective Date	Permit Expiration Date	Schedule Due Date	Completion Date	Event Code	Schedule Type	Schedule Milestone
4/01/2012	3/31/2017	12/01/2012	11/27/2012	95999	Report	E. Coli Status Report
4/01/2012	3/31/2017	01/01/2013	N/A	-----	Construction	Disinfection PTI if needed
4/01/2012	3/31/2017	06/01/2013	11/27/2012	05699	Construction	Achieve E Coli Final Limits
4/01/2012	3/31/2017	12/01/2012	11/27/2012	95999	Report	Ammonia Status Report
4/01/2012	3/31/2017	01/01/2013	N/A	-----	Construction	Ammonia PTI if Needed
4/01/2012	3/31/2017	06/01/2013	11/27/2012	05699	Construction	Achieve Ammonia Limits

As all compliance milestones have been met, no further information on the submittals is needed.

If you have any questions or comments regarding this inspection, please feel free to contact me at (330) 963-1175.

Respectively,



John M. Schmidt P.E., R.S.
Environmental Engineer
Division of Surface Water

JMS/cs

cc: Teresa Sasala, ODNR, Pymatuning State Park
Michael Blakeman, ODNR Punderson State Park

File/SP/Ashtabula/Andover Twp./ODNR Pymatuning State Park (3PP00013)