



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

January 30, 2013

RE: PARADISE LAKE PARK
6940 ROCHESTER ROAD
NPDES PERMIT NO. 3PR00325
WEST TWP.
COLUMBIANA COUNTY

Mike and Sue Bachman
6940 Rochester Road
East Rochester, OH 44625

Dear Mr. and Mrs. Bachman:

On January 15, 2013 this writer conducted an inspection of the wastewater treatment plant for the Paradise Lake Park. The intent of the inspection was to evaluate operations and maintenance of the system. The following are findings from the inspection.

Wastewater Treatment Plant

1. The trash trap appeared satisfactory.
2. The aeration tank had a weak clear color. The skimmers and sludge returns were operational. Under normal operating conditions the aeration tank is a dark chocolate brown. The manhole at the head of the plant had a great deal of clear water running into it. This may be an indication that ground water or surface water is entering the system from somewhere. The leak must be located and repaired.
3. The settling tank was producing an effluent relatively free of pin floc.
4. The sand filters were relatively clean with some minor solids and weeds. The southern filter was partially plugged which is typical during winter conditions. The northern filter was fine and ready for use with only some minor vegetation. When any sludge or solids are removed from the sand filters, it needs to be placed in a dumpster and disposed at a licensed solid waste landfill.
5. The chlorine contact tank appeared to be operating satisfactorily. No chemicals were being used at this time.
6. The effluent pump station that discharges to the small lake at the foot of the dam appeared to be operating normally.
7. A review of the monthly operating reports for the period of July 2011 through November 2012 revealed a few ammonia violations. These violations are attached to this letter. The December electronic Discharge Monitoring Report appears to be late.
8. The flow equalization tank and sludge holding tank has been installed and is operational.

9. Dye testing on D hill and C hill in the past has not revealed any discharge to waters of the State of Ohio.

Campground Design and Future use

At the inspection the park is utilizing a septic hauler to empty individual lots. There are also several on-site systems on the property. You are currently in the process of eliminating the mobile home park adjacent to the park and converting those sites to recreational vehicle sites. These sites would already have sewer access available.

The park is utilizing grey water tanks installed at individual sites under the direction of the Columbiana Health Department. These tanks are emptied by a local septic tank hauler and discharged to the wastewater treatment plant or a municipal wastewater treatment plant. The black water from the recreational vehicles is not permitted to be discharged to these grey water tanks. If these are emptied by the hauler it must be by direct connection to the RV trailer. The hauler can discharge the black water to your flow equalization tank. Special care must be taken to ensure that no inappropriate chemicals that are harmful to the wastewater treatment plant are being utilized in the RV trailers.

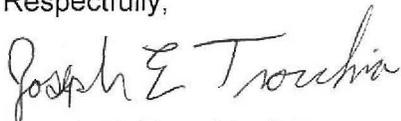
During past inspections, there were no visible signs of any of the other system on the property failing. This office is willing to allow the use of these systems on a performance basis provided there is no discharge or signs of failure. These systems were never approved by this office. If at any time, these facilities demonstrate signs of failure or a discharge to waters of the state of Ohio they must be connected to the existing wastewater treatment plant.

The final issue for this facility would be the sewage collection system within the park to the existing wastewater treatment plant. When the facility requested the installation of the package plant, it was to include the new mobile home park and campground. You must develop a plan to sewer the portions of the park that be reasonably connected to the wastewater treatment plant. You must provide a date specific schedule to address the installation of sewers in the areas you consider viable. This project could be done in phases to minimize the capital costs.

By February 20, 2013, please respond in writing what your proposed course of action will be to correct the above deficiencies.

You may contact this office at (330) 963-1193 to discuss any questions you may have.

Respectfully,



Joseph E. Trocchio, P.E.
Environmental Engineer
Division of Surface Water

JET/cs

cc: Lori J. Barnes, Columbiana County Health Dept.

File: Semipublic/Columbiana County/West Township/Paradise Lake Park

Paradise Lake Campground effluent violations: July 2011 - November 2012

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PR00325*BD	May 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.70067	5/1/2012
3PR00325*BD	May 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.636	5/1/2012
3PR00325*BD	May 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.416	5/15/2012
3PR00325*BD	May 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.05	5/22/2012
3PR00325*BD	June 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.55	6/1/2012
3PR00325*BD	June 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.514	6/1/2012
3PR00325*BD	July 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.342	7/1/2012
3PR00325*BD	August 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.074	8/1/2012
3PR00325*BD	October 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.244	10/1/2012