

**Environmental
Protection Agency**

2011-10-06 Governor
2011-10-06 Lt. Governor
2011-10-06 Director



October 6, 2011

RE: WESTERN RESERVE WWTP
PERMIT NO. 3PG00121
PORTAGE COUNTY
NELSON TWP

Mr. Wayne A. Carkido
Wastewater Division Manager
Portage County Water Resources
449 S. Meridian Street
Ravenna, Ohio 44266

Dear Mr. Carkido:

On September 28, 2011, an inspection of the above referenced facility was conducted. The facility was represented by Messrs. Jeff Lonrick, Interim Director/Sanitary Engineer, Don West, Class IV Superintendent and you. The purpose of the inspection was to: (1) evaluate the performance of the wastewater treatment system along the facility's compliance status with respect to the terms and conditions of the above-referenced National Pollutant Discharge Elimination System (NPDES) permit and (2) determine required additional actions to be undertaken as part of the permit renewal process.

During the inspection, the following items were noted/discussed:

1. The plant design of the wastewater treatment system is 22,000 gpd.
2. In accordance with Ohio Administrative Code (OAC) 3745-7-04, the sewage treatment facility is classified as a Class A facility. Once the facility's permit is renewed, the permittee shall ensure that the treatment works operator of record is physically present at the facility twice per week for a minimum of one hour per week.
3. The blowers were running and the plant was receiving good aeration.
4. The contents of the aeration tank and contact stabilization tank were medium brown in color and no foam was present. This is typical of a properly operating plant.
5. The contact stabilization sludge return line was working properly and was returning medium brown water.
6. The skimmer return line was functioning properly and was returning clear water.
7. The weirs and the sidewalls in the settling tank were free of scum/solids build-up.
8. Both surface sand filter beds were free of vegetation and were well maintained.

9. The ultra violet disinfection system was operating properly. However, you indicated that Portage County Water Resources intends to replace this system with a new ultra violet system due to the inability to get replacement parts.
10. The temperature reading in the automatic sampler was 5.5 degrees centigrade. The temperature should read 4.0 degrees centigrade. Mr. West confirmed that the digital interface set point was 4.0 degrees centigrade. He also indicated that the automatic sampler unit does not allow for adjustment. You indicated that the thermometer would be exchanged and the temperature would be monitored.
11. The discharge was clear
12. No visual impact to the receiving stream was observed.
13. Please note the following includes some of the changes to the facility NPDES permit:
 - a) A permanent marker at the outfall is required to be posted per the requirement of Part II, letter N of the facility's NPDES permit
 - b) A schedule of compliance will be placed in the permit renewal which requires the facility to meet E. Coli limits in the final table for outfall monitoring station 3PG00121001.
 - c) Color, severity and odor, severity have been removed.
 - d) Phosphorus, total monitoring has been added.
 - e) Monitoring for PH was changed from 1/2 weeks to 1/ month.
 - f) Nitrite plus nitrate, total monitoring has been added.
14. Once the facility's renewal permit is drafted it will be public noticed. During public notice, you will have a 30 day period to evaluate your permit and comment in writing any concerns you may have.

This office has recently reviewed your self-monitoring reports covering the period February 1, 2009, through August 31, 2011, for the referenced facility. **Our review indicates no violations of the terms and conditions of your NPDES permit.**

Should you have any comments or questions concerning this letter, please feel free to call me at (330)963-1143.

Respectfully,



Michael W. Stevens
Environmental Engineer
Division of Surface Water

MWS/cs