

**Environmental
Protection Agency**

**Governor
Lt. Governor
Director**

November 3, 2011

RE: RIVERMOOR ESTATES WWTP
PERMIT NO. 3PG00127
PORTAGE COUNTY
SUFFIELD TOWNSHIP

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

Dear Mr. Carkido:

On November 1, 2011, an inspection of the above referenced facility was conducted. The facility was represented by Mr. Don West, Class IV Superintendent and you. The purpose of the inspection was to: (1) evaluate the performance of the wastewater treatment system along with 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 42,500 gpd.
2. In accordance with Ohio Administrative Code 3745-7-04, the sewage treatment facility is classified as a Class I 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 three times per week for a minimum of one and a half hours per week.
3. The blowers were running and the plant was receiving good aeration.
4. The contents of the aeration tank were medium brown in color and no foam was present. This is typical of a properly operating plant.
5. Both sludge return lines were working properly and were returning medium brown water.
6. The skimmer return line was functioning properly and was returning clear water.
7. A minimal amount of solids was observed floating on the settling tank.
8. Scum/solids deposition build-up was present behind the baffle in the settling tank. This should be removed on a regular basis.

9. All three pyrdek filters were on line.
10. The facility has two surface sand filter beds. Both beds were in the process of being weeded prior to winter.
11. 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 and controller due to the inability to get replacement parts.
12. The discharge was clear.
13. The flow rate is monitored with a Sigma 980 flow meter.
14. Sludge is hauled to the Streetsboro WWTP.
15. 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 J 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 3PG00127001.
 - C. Color severity and odor severity have been removed.
 - D. Phosphorus, total monitoring has been added.
 - E. TKN monitoring has been added.
 - F. Nitrite plus nitrate, total monitoring has been added.
 - G. Station 581 has been removed.
16. 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 November 1, 2008, through September 30, 2011, for the referenced facility. Our review indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are as follows:

Frequency Violations

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	1/2Weeks	1	0	04/01/2009

Code Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	31616	Fecal Coliform			AK	8/2/2010
001	31616	Fecal Coliform			AK	8/1/2011

No limit violations were noted.

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Please be advised that such instances of noncompliance may be cause for enforcement actions pursuant to the Ohio Revised Code, Chapter 6111.

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

Respectfully,

A handwritten signature in black ink that reads "Michael W. Stevens". The signature is written in a cursive style with a clear, legible font.

Michael W. Stevens
Environmental Engineer
Division of Surface Water

MWS/cs