



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

February 21, 2012

RE: HAMLET MOBILE HOME PARK
PERMIT NO. 3PV00041
PORTAGE COUNTY
RAVENNA

Ms. Carol Foster, General Manager
Hamlet Mobile Home Park
263 West Main St.
Ravenna, Ohio 44266

Dear Ms. Foster:

On February 14, 2012, an inspection of the above referenced facility's wastewater treatment system was conducted. The facility was represented by Mr. Eugene Davis, Class III Waste Water Treatment Plant Operator. The purpose of the inspection was to evaluate the operation and maintenance of the 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.

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

1. Mr. Eugene Davis from efdavis₂ & ASSOCIATES has been in charge of the technical operations of the wastewater treatment plant since August 2009.
2. Mr. Davis is also responsible for collecting the effluent samples and entering the analytical results into Ohio EPA's Surface Water Information Management System and pinning the monthly report.
3. The plant design of the wastewater treatment system is 20,000 gpd.
4. The blowers were running and the plant was receiving good aeration.
5. The contents of the aeration tank were medium brown in color and no foam was present. This is typical of a properly operating plant.
6. Both the sludge holding tank and flow equalization tank were also being aerated.
7. No odor was present at the treatment plant.
8. Mr. Davis indicated that plant is currently treating 5,000 to 7,000 gallons per day during normal flow conditions.
9. Both the primary sludge return line and secondary sludge return line were functioning properly and returning medium brown water.
10. The skimmer return line was functioning properly and returning clear water.
11. No floating solids were present in the settling tank.
12. One of four surface sand filter beds was being utilized. A thin layer of sludge was present on this bed. Mr. Davis indicated this bed would be raked free of sludge once the weather allows the sludge to dry so it can be raked.
13. Mr. Davis also indicated that any filter media and sludge removed from the surface sand filter beds is placed in the R&R sanitation dumpster. All filter media and sludge should always be disposed at a licensed solid waste landfill.

14. The remaining three surface sand filter beds were well maintained and were ready for future use.
15. The treatment plant is equipped with a single ultra violet disinfection unit comprised of four lights. The system was operational but is not currently required to be used. Disinfection is required from May 1st through October 31st.
16. Flow is monitored with a Parshall Flume.
17. No discharge from the plant was occurring.
18. The trash trap was pumped out and hauled to Struthers WWTP on December 29, 2011.
19. Additionally, 3500 gallons of sludge was pumped from the sludge holding tank and also hauled to Struthers WWTP on December 29, 2011.
20. Subsequent to Mr. Davis taking over the technical operations of wastewater treatment system, the following actions were taken:
 - A. All sixteen diffusers were replaced in the aeration tanks.
 - B. All four of the diffusers were replaced in the sludge holding tank.
 - C. Blower #2 was rebuilt by a company named Air Repair and reinstalled.
 - D. Screens were constructed to cover both the aeration and settling tanks to prevent debris from accumulating in the tanks.
 - E. The exhaust vent in the blower building was replaced.
 - F. The flow meter was calibrated by Powers and Associates on April 8, 2010.
 - G. The secondary sludge return line was never tied into the waste activated sludge common line which goes to the aerated sludge holding tank. The line was excavated and the connection was made.
 - H. A permanent marker at the outfall was posted per the requirement of Part II, Letter L of the facility's NPDES permit.
 - I. The treatment plant's power consumption is monitored daily to verify that the system does not go down overnight.
 - J. Mr. Davis maintains a log book inside the blower building which documents his time at the plant along with his duties performed.

This office has recently reviewed your self-monitoring reports covering the period April 1, 2008 through January 31, 2012 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:

Limit Violations

| Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 5.2 | 4/1/2008 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.24 | .45269 | 4/1/2008 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 5.2 | 4/22/2008 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Qty | 0.36 | .45269 | 4/22/2008 |
| 001 | 00300 | Dissolved Oxygen | 1D Conc | 6.0 | 5.1 | 6/17/2008 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6.4 | 8/12/2008 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6.4 | 8/26/2008 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6.3 | 5/19/2009 |

| Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 001 | 00400 | pH | 1D Conc | 6.5 | 6. | 7/7/2009 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6. | 7/21/2009 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6.25 | 9/1/2009 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6. | 9/8/2009 |
| 001 | 00400 | pH | 1D Conc | 6.5 | 6.33 | 9/16/2009 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 1.17 | 10/1/2010 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 3.0 | 26. | 4/1/2011 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.24 | .46253 | 4/1/2011 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Conc | 4.5 | 26. | 4/8/2011 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Qty | 0.36 | .46253 | 4/8/2011 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 1.64 | 6/1/2011 |
| 001 | 00610 | Nitrogen, Ammonia (NH3) | 7D Conc | 1.5 | 5.23 | 6/15/2011 |

Code Violations

| Station | Reporting Code | Parameter | Sample Frequency | Expected | Reported | Violation Date |
|---------|----------------|------------------------|------------------|----------|----------|----------------|
| 588 | 70318 | Sludge Solids, Percent | 1/Month | 1 | 0 | 05/01/2008 |
| 001 | 00083 | Color, Severity | 1/Day | 1 | 0 | 04/22/2011 |
| 001 | 01350 | Turbidity, Severity | 1/Day | 1 | 0 | 04/22/2011 |
| 001 | 01330 | Odor, Severity | 1/Day | 1 | 0 | 04/22/2011 |

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,



Michael W. Stevens
 Environmental Engineer
 Division of Surface Water

MWS/cs

cc. Gene Davis, Class III Operator, efdavis₂ & ASSOCIATES