



**Environmental
Protection Agency**

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

July 18, 2011

RE: LAKE COUNTY
KIRTLAND
EAGLE MOBILE HOME PARK
NPDES PERMIT NO. 3PV00071
APPLICATION NO. OH0103365

Ms. Mary Trunzo
5101 Dogwood Trail
Lyndhurst, OH 44124

Dear Ms. Trunzo:

On July 14, 2011, a compliance evaluation inspection of the sewage treatment plant serving Eagle Mobile Home Park was conducted by this writer. The purpose of the inspection was to evaluate the facility's compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit.

At the time of inspection the plant was discharging an effluent free of solids, oils and grease. The following observations were noted:

- The aeration tank was in operation. The mixed liquor was brown in color. The return sludge line and skimmer discharge line were in operation.
- The settling tank wastewater was turbid. Sludge worms were visible in the tank. The concrete walls of the tank are crumbling severely. Repairs must be made to the tank.
- The southern three filter beds contained some vegetation and sludge on their surfaces. Any sludge, vegetation and sludge laden sand must be removed from the surface of the sand filters. Each filter bed must contain 18 inches of Ohio EPA approved filter sand. Approved filter sand consists of clean and washed sand with an effective size between 0.4 and 1.0 mm and a uniformity coefficient not greater than 3.0. The filter sand must be raked with an even distribution across the surface area of the filter bed.
- Maintenance work must be performed on the filter bed walls. The concrete covering the filter bed concrete blocks has chipped off, exposing many of the concrete blocks. The blocks must be reinforced with cement and waterproofed on both sides.
- The chlorinator contained chlorine tablets, as required.
- The dechlorinator contained sulfite tablets, as required.

A review of the Discharge Monitoring Reports for Outfall 001, covering the period of April 2010 through May 2011 revealed the following violations:

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	7D Conc	15	18.	7/8/2010
001	00530	Total Suspended Solids	7D Qty	1.42	1.70325	7/8/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.07	8/9/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.07	8/10/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	8/13/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	8/16/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	8/17/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	8/18/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	8/19/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	8/20/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	9/2/2010
001	00400	pH	1D Conc	6.5	5.89	9/7/2010
001	00400	pH	1D Conc	6.5	5.91	9/9/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	9/20/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	9/21/2010
001	00400	pH	1D Conc	6.5	6.36	9/21/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	9/22/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	9/23/2010
001	50060	Chlorine, Total Residual	1D Conc	0.019	.06	9/24/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	6.65	1/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	12.6	1/15/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	9.485	2/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	10.92	2/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.284	.29113	2/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	10.22	2/8/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.24	2/15/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.56	2/22/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.9	4/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.52	4/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.284	.30792	4/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.426	.59094	4/1/2011

Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of your NPDES permit may be cause for enforcement pursuant to the Ohio Revised Code Chapter 6111.

This writer located, in the blower building, the operation and maintenance records for the wastewater treatment plant. The log book should be bound with pre-numbered pages. The following information must be recorded:

1. Identification of the sewage treatment works;
2. Date and times of arrival and departure for the operator of record and any other operator required by this chapter;

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3. Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage conveyed or effluent produced;
4. Results of tests performed and samples taken, unless documented on a laboratory sheet;
5. Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and
6. Identification of the persons making entries.

Within 10 days of the date of this letter, you are directed to notify this office, in writing, outlining the corrective action, either actual or proposed, that will be taken to eliminate the above highlighted deficiencies.

Should you have any questions, please contact the undersigned at (330) 963-1183.

Sincerely,



Marie Underwood, P.E.
Environmental Engineer
Division of Surface Water

MU/mt