



Environment
Protection Agency

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

January 11, 2011

RE: LAKE COUNTY
MADISON TWP.
SAHARA MOBILE HOME PARK
NPDES PERMIT NO. 3PV00046
APPLICATION NO. OH0098159

NOTICE OF VIOLATION

Mrs. Betty Braff
Sahara Mobile Home Park
5300 North Ridge Road
Madison, OH 44057

Dear Mrs. Braff:

On January 5, 2011, this writer conducted a compliance evaluation inspection of the wastewater treatment system serving the mobile home park. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits. Mr. Vic Longar, Park Manager, accompanied this writer during the inspection.

The following observations were noted:

1. The color of the mixed liquor was dark brown. The activated sludge concentration appeared high. The sludge wasting rate may need to be adjusted.
2. The settling tank content was turbid for both settling tanks. Sludge appeared on the surface of the tanks and in the effluent trough.
3. Half of the rapid sand filters were in operation. The flow stream into the rapid sand filter building was split. Half of the wastewater flow was treated by the rapid sand filter. The other half was not, and flowed directly to the upflow clarifiers, bypassing the rapid sand filters. As stated in previous letters, all wastewater must receive tertiary treatment via the rapid sand filters. ***The rapid sands filters must be repaired and kept in operation in order to receive all of the wastewater flow.***
4. The former chlorine contact chamber contained solids and debris. This material must be immediately removed from the chamber.
5. The plant grounds were cluttered with hose. Many of the tanks were not covered with grating. This is a potential safety hazard that needs to be corrected immediately. The plant grounds should be clutter free and the tanks should be covered with grating.
6. The operation and maintenance log book is kept in the filter house. The operator-of-record sign-in book is located in the mobile home park office.

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During the inspection, Mr. Longar stated that Mr. Steve Howe of AKE Laboratories is now operating the wastewater treatment plant. This agency does not have Mr. Howe listed as the Operator-of-Record (ORC). Mr. Dustin Lewis and Mr. Mark Lewis are listed as the ORC for Sahara Mobile Home Park. The ORC Notification Form must be updated to accurately reflect who is actually operating the plant. An ORC Notification Form is enclosed for your convenience. The names of Dustin Lewis and Mark Lewis should be removed and Mr. Howe's name should be added to the form. Your signature and Mr. Howe's signature will be required on the form.

A review of the Discharge Monitoring Reports (DMRs) revealed the following effluent limitation violations during the period of August 2009 through November 2010:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	30D Conc	12	14.25	8/1/2009
001	00530	Total Suspended Solids	7D Conc	18	33.	8/8/2009
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.975	11/1/2009
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.27573	11/1/2009
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.32	11/15/2009
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.32	11/15/2009
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.46515	11/15/2009
001	00530	Total Suspended Solids	30D Conc	12	15.75	12/1/2009
001	00530	Total Suspended Solids	7D Conc	18	31.	12/1/2009
001	00530	Total Suspended Solids	7D Qty	4.1	4.623	12/1/2009
001	00530	Total Suspended Solids	30D Conc	12	12.5	1/1/2010
001	00530	Total Suspended Solids	7D Conc	18	26.	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.66	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	1.96	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.38148	1/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.36	1/15/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.50998	1/15/2010
001	00530	Total Suspended Solids	30D Conc	12	12.25	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	8.05	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	8.05	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	8.82	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	8.82	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.92452	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.68	.92452	2/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.99483	2/1/2010
001	80082	CBOD 5 day	30D Conc	10	10.25	2/1/2010
001	00530	Total Suspended Solids	7D Conc	18	27.	2/8/2010
001	80082	CBOD 5 day	7D Conc	15	18.	2/8/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.28	2/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.28	2/22/2010

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.8542	2/22/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.17	3/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.34	3/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.2423	3/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.48459	3/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.14	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	7.14	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.56	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.56	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.9659	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.68	.9659	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.9729	4/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	6.72	4/15/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	6.72	4/15/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	.95891	4/15/2010
001	00530	Total Suspended Solids	30D Conc	12	55.5	6/1/2010
001	00530	Total Suspended Solids	30D Qty	2.7	8.22102	6/1/2010
001	80082	CBOD 5 day	30D Conc	10	12.75	6/1/2010
001	00530	Total Suspended Solids	7D Conc	18	204.	6/8/2010
001	00530	Total Suspended Solids	7D Qty	4.1	30.1134	6/8/2010
001	80082	CBOD 5 day	7D Conc	15	39.	6/8/2010
001	80082	CBOD 5 day	7D Qty	3.4	5.75699	6/8/2010
001	00300	Dissolved Oxygen	1D Conc	6.0	4.1	6/14/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.64	7/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.54474	7/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	6.72	7/15/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	1.01741	7/15/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.03	8/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.53	8/1/2010
001	00300	Dissolved Oxygen	1D Conc	6.0	5.6	8/16/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	14.15	9/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.92354	9/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.8	9/8/2010
001	00300	Dissolved Oxygen	1D Conc	6.0	1.7	9/8/2010
001	00300	Dissolved Oxygen	1D Conc	6.0	2.5	9/13/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	20.5	9/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	1.55185	9/22/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.975	10/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.62878	10/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	1.9	10/8/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	12.05	10/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	1.04901	10/22/2010
001	00300	Dissolved Oxygen	1D Conc	6.0	4.2	10/25/2010

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.75	11/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	7.75	11/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.23	.73599	11/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.68	.73599	11/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.1	11/8/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.1	11/8/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	10.4	11/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	10.4	11/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	1.02	1.25965	11/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.34	1.25965	11/22/2010

Part II, Item K, of the NPDES permit required the construction of signage at the plant outfall by May 1, 2009. This has not been done and is a violation of your NPDES permit.

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

Within 10 days of the date of this letter, you are required 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 regarding this letter, please contact the undersigned at (330) 963-1183.

Sincerely,



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

MU/mt

Enclosure-ORC Notification Form