



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

September 9, 2013

RE: LAKE COUNTY  
PAINESVILLE TOWNSHIP  
SPRING LAKE MOBILE HOME PARK  
NPDES PERMIT NO. 3PV00120  
APPLICATION NUMBER OH0134694

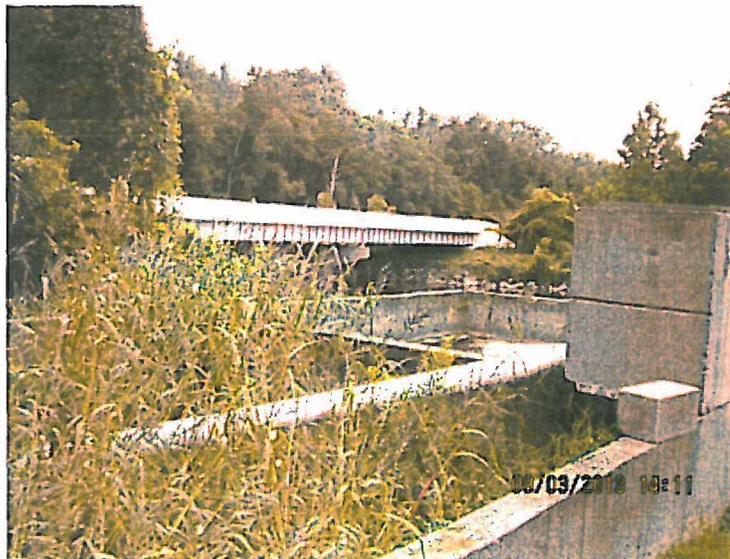
Helen Bales  
Spring Lake Mobile Home Park  
P.O. Box 36  
Grand River, OH 44045

Dear Mrs. Bales:

On September 3, 2013, this writer conducted a compliance evaluation inspection of the wastewater treatment plant (WWTP) that serves the above referenced facility. 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.

**Wastewater Treatment Plant Observations**

- The content of the flow equalization tank was being aerated, as required.
- The aeration plant was in operation. The aeration tank wastewater was brown in color. The return sludge was brown in color.
- The settling tank contained an excessive amount of sludge on the surface of the tank and in the effluent trough.
- Maintenance of the east surface sand filters is poor. The east filter bed contained an excessive amount of vegetation.



The west bed contained some sludge on its surface.



The vegetation, sludge and sludge laden sand must be removed and replaced with clean, Ohio EPA approved sand. Assurances must be made that 18 inches of Ohio EPA approved sand exists on the surface of the bed. Ohio EPA approved sand has an effective size of 0.4-1.0 mm and a uniformity coefficient that is no greater than 3. The sand on both beds must be raked and distributed evenly across the surface area of the filter beds.

- The grating on the chlorine contact chamber was locked and no key to unlock the grating was available. This writer could not determine if the chlorinator and dechlorinator contained chlorine tablets and sulfite tablets, respectively. A key must be made available onsite, so that inspections of the disinfection unit can be made.
- No operation and maintenance log book was found onsite. The mailbox adjacent to the flow equalization tank did not contain a log book. This is a violation of the NPDES permit.
- Signs has not been posted at the plant effluent location on the riverbank. Pursuant to Part II, Item I of the NPDES permit, a permanent marker must be posted on the riverbank. Please refer to Part II, Item I of the NPDES permit for specific requirements.

The above referenced deficiencies must be corrected immediately.

**NPDES Permit/Administrative Code Violations**

A review of the Discharge Monitoring Reports (DMRs) from the period covering May 2012 through July 2013 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00300	Dissolved Oxygen	1D Conc	6.0	4.85	6/6/2012
001	00530	Total Suspended Solids	30D Conc	12	38.	6/1/2012
001	00530	Total Suspended Solids	7D Conc	18	38.	6/1/2012
001	00530	Total Suspended Solids	30D Qty	0.259	.81983	6/1/2012
001	00530	Total Suspended Solids	7D Qty	0.389	.81983	6/1/2012
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	47.18	6/1/2012
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	47.18	6/1/2012
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0216	1.01788	6/1/2012
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.0324	1.01788	6/1/2012

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001	80082	CBOD 5 day	30D Conc	10	12.	6/1/2012
001	80082	CBOD 5 day	30D Qty	0.216	.25889	6/1/2012
001	00300	Dissolved Oxygen	1D Conc	6.0	1.6	8/6/2012
001	00530	Total Suspended Solids	30D Conc	12	56.	8/1/2012
001	00530	Total Suspended Solids	7D Conc	18	56.	8/1/2012
001	00530	Total Suspended Solids	30D Qty	0.259	.74186	8/1/2012
001	00530	Total Suspended Solids	7D Qty	0.389	.74186	8/1/2012
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	21.	8/1/2012
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	21.	8/1/2012
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0216	.2782	8/1/2012
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.0324	.2782	8/1/2012
001	80082	CBOD 5 day	30D Conc	10	39.	8/1/2012
001	80082	CBOD 5 day	7D Conc	15	39.	8/1/2012
001	80082	CBOD 5 day	30D Qty	0.216	.51665	8/1/2012
001	80082	CBOD 5 day	7D Qty	0.324	.51665	8/1/2012
001	00530	Total Suspended Solids	30D Conc	12	25.	3/1/2013
001	00530	Total Suspended Solids	7D Conc	18	25.	3/1/2013
001	00530	Total Suspended Solids	30D Qty	0.259	.32636	3/1/2013
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	11.62	3/1/2013
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	11.62	3/1/2013
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0648	.15169	3/1/2013
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.0971	.15169	3/1/2013

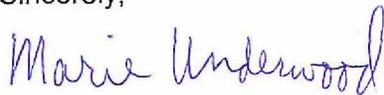
Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of your NPDES permit may be cause for enforcement pursuant to the Ohio Revised Code Chapter 6111.

**Actions to be Taken by Permittee**

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, please contact the undersigned at (330) 963-1183.

Sincerely,



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

MU/cs

cc: Jason Diggs, Park Manager