



**Environmental  
Protection Agency**

**John R. Kasich, Governor**

**Mary Taylor, Lt. Governor**

**Scott J. Nally, Director**

June 4, 2012

RE: AKRON WATER TREATMENT PLANT  
PERMIT NO. 3IV00000  
PORTAGE COUNTY  
KENT

Mr. Douglas Smith, Watershed Ranger  
Akron Water Treatment Plant  
1570 Ravenna Road.  
Kent, Ohio 44240-6111

Dear Mr. Smith:

On April 26, 2012, an inspection of the above referenced facility was conducted. The facility was represented by Mr. Scott Hershberger from Emerald Environmental Services, Inc. and you. The purpose of the inspection was to: (1) evaluate the operation and maintenance of the treatment lagoons 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. Lake Rockwell is the water treatment plants source of water.
2. The water treatment plant serves approximately 280,000 people.
3. Sludge from the sedimentation basins is pumped to six drying basin and dewatered. The facility has the ability to split each basin into two separate basins. No discharge occurs from these basins.
4. Currently the sludge is used as a soil blend and is sold to commercial landscapers.
5. The filter backwash water is pumped to two lagoons. Each lagoon has a permitted outfall, outfalls 3IV00000001 and 3IV00000002.
6. Approximately 600,000 – 1,400,000 gallons per day is backwashed to the lagoons.
7. Flow is monitored at outfalls 3IV00000001 and 3IV00000002 with Parshall Flumes.
8. The discharge from outfall 002 was clear and no visible impact to the receiving stream was observed.
9. No discharge was occurring at outfall 001.
10. The facility's current permit expires on August 31, 2012.
11. The facility's NPDES permit renewal application forms were received by this office on February 29, 2012.
12. The renewal NPDES permit was drafted and Public Noticed on May 29, 2012.
13. The following parameters have been added to outfall 3IV00000001:
  - a. Phosphorus, Total;
  - b. Dissolved Oxygen; and
  - c. Nitrite Plus Nitrate

The addition of these parameters was based on the recommendations in the U.S. EPA approved Total Maximum Daily Load reports.

This office has recently reviewed your self-monitoring reports covering the period January 1, 2010 through April 30, 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	00530	Total Suspended Solids	1D Qty	102	115.981	1/7/2010
001	00530	Total Suspended Solids	30D Qty	68	101.725	8/1/2010
001	00530	Total Suspended Solids	1D Qty	102	138.583	8/19/2010
001	00530	Total Suspended Solids	30D Conc	30	34.25	10/1/2010
001	00530	Total Suspended Solids	30D Qty	68	113.462	10/1/2010
001	00530	Total Suspended Solids	1D Qty	102	156.051	10/21/2010
001	00530	Total Suspended Solids	1D Qty	102	125.228	11/4/2010
001	00530	Total Suspended Solids	30D Conc	30	94.	2/1/2011
001	00530	Total Suspended Solids	30D Qty	68	157.547	2/1/2011
001	00530	Total Suspended Solids	1D Conc	45	125.	2/3/2011
001	00530	Total Suspended Solids	1D Qty	102	163.937	2/3/2011
001	00530	Total Suspended Solids	1D Conc	45	63.	2/17/2011
001	00530	Total Suspended Solids	1D Qty	102	151.156	2/17/2011
001	00530	Total Suspended Solids	30D Conc	30	35.2	5/1/2011
001	00530	Total Suspended Solids	30D Qty	68	108.694	5/1/2011
001	00530	Total Suspended Solids	1D Conc	45	56.	5/19/2011
001	00530	Total Suspended Solids	1D Qty	102	135.103	5/19/2011
001	00530	Total Suspended Solids	30D Conc	30	67.	8/1/2011
001	00530	Total Suspended Solids	30D Qty	68	137.981	8/1/2011
001	00530	Total Suspended Solids	1D Conc	45	67.	8/4/2011
001	00530	Total Suspended Solids	1D Qty	102	137.981	8/4/2011

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

**Please notify this office in writing, within 14 days receipt of this letter, of your intentions to eliminate the ongoing violations. This letter should include dates either actual or proposed.**

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

Respectfully,

*Michael W. Stevens*  
Michael W. Stevens  
Environmental Engineer  
Division of Surface Water

MWS/cs