



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

January 23, 2013

RE: GEAUGA COUNTY
HEATHER HILL
NPDES PERMIT#3PR00075

Mr. Tony Kofol, Director of Maintenance
Heather Hill Care Communities
12340 Bass Lake Road
Chardon, OH 44024

Dear Mr. Kofol:

On January 10, 2013, this writer met with you to conduct an inspection of the wastewater treatment plant (WWTP). The intent of the inspection was to assess the operations and maintenance of the treatment system and review compliance with the National Pollutant Discharge Elimination System (NPDES) permit. At the time of the inspection, this writer also conducted a limited scope site records inspection.

The site records inspection evaluated the facility's operations and maintenance records with respect to the terms and conditions of the facility's NPDES permit and Ohio Administrative Code (OAC) Rule 3745-7-09. The inspection revealed that records required pursuant to OAC 3745-7-09(A) (3) are maintained at the facility as required by rule.

NPDES PERMIT COMPLIANCE

According to the discharge monitoring report (DMR) data from January 1, 2010 through January 1, 2013, flow reported averaged 64,000 gpd. Discharge monitoring report data was reviewed for compliance with the current NPDES permit. A violation summary for the above noted review period is attached to this letter.

INSPECTION SUMMARY

At the time of the inspection, all treatment units, except UV, were online and in satisfactory operating condition. The treatment plant was producing what appeared to be a satisfactory quality effluent.

The influent screen was in operation and appeared to be in satisfactory condition. There were some discarded rakings and debris located in the area surrounding the influent screening. All screen rakings must be kept in a dumpster and disposed of appropriately.

The flow equalization appeared to be in satisfactory condition and supplied with a satisfactory amount of air. The aeration portion of the treatment system was found to be in satisfactory condition with adequate rollover noted in both treatment trains and adequate air supply throughout each tank. The clarifiers contained algae and solids on the weirs and some heavier pin floc was noted passing through the weirs. The rapid sand filters appeared to be in satisfactory condition. Some solids and algae buildup was noted on the filter effluent weirs.

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The UV disinfection treatment was not in service because it is outside the disinfection season. The final effluent appeared to be clear and in satisfactory condition.

The composite samplers appeared to be in satisfactory condition and the sampler contained a thermometer inside the refrigeration units. Upon evaluation of the composite samplers, the thermometer was it was noticed that a calibration thermometer was missing from the refrigeration units. Both samplers must always be provided with calibration thermometers so to ensure the refrigeration unit is chilled to 6°C prior to sample collection.

Your wastewater treatment system qualifies as a Class I Wastewater Treatment system. Our records indicate Steve Howe, Charles Newman and Donald Velisek of AKE laboratory are the certified operator of record (ORC) for this facility. Mr. Steve Piscopo is also listed as an ORC for this facility. Please review the ORC's on file and update the ORC list by removing any operators no longer associated with the facility.

Should you have any comments or questions regarding this letter, please contact this office at (330)963-1299.

Respectfully,



Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/cs

cc: AKE Environmental & Construction Services, Inc.
Dave Sage, Geauga County Health Department

NPDES PERMIT DISCHARGE VIOLATIONS:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2010	001	00665	Phosphorus, Total (P)	30D Conc	1.0	1.02	1/1/2010
February 2010	001	00665	Phosphorus, Total (P)	30D Conc	1.0	1.18	2/1/2010
February 2010	001	00665	Phosphorus, Total (P)	30D Qty	0.38	.43591	2/1/2010
October 2010	001	00665	Phosphorus, Total (P)	30D Conc	1.0	1.43	10/1/2010
October 2010	001	00665	Phosphorus, Total (P)	30D Qty	0.379	.39836	10/1/2010
September 2011	001	80082	CBOD 5 day	30D Conc	6.0	6.04444	9/1/2011
September 2011	001	80082	CBOD 5 day	7D Conc	9.0	9.25	9/22/2011
October 2011	001	80082	CBOD 5 day	30D Conc	6.0	6.85	10/1/2011
November 2011	001	00530	Total Suspended Solids	7D Conc	10.8	11.	11/8/2011
February 2012	001	00530	Total Suspended Solids	30D Conc	7.2	10.1111	2/1/2012
February 2012	001	80082	CBOD 5 day	30D Conc	6.0	7.33333	2/1/2012
February 2012	001	00530	Total Suspended Solids	7D Conc	10.8	16.5	2/15/2012
February 2012	001	00530	Total Suspended Solids	7D Conc	10.8	15.5	2/22/2012
February 2012	001	00530	Total Suspended Solids	7D Qty	4.09	4.71422	2/22/2012
July 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.08	3.35	7/1/2012
July 2012	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.409	1.23523	7/1/2012
July 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.62	6.6	7/8/2012
July 2012	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.614	2.44814	7/8/2012