



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

May 8, 2008

RE: LAKE COUNTY
KIRTLAND
WESTERN RESERVE HEALTH CARE
PRE-PERMIT INSPECTION
APPLICATION NO. OH0100994
NPDES PERMIT NO. 3PR00137

Ms. Amanda Eberhart, Executive Director
Western Reserve Health Care
9685 Chillicothe Road
Kirtland, OH 44094

Dear Ms. Eberhart:

On May 6, 2008, an inspection of the sewage treatment plant serving the Western Reserve Health Care was conducted by this writer. The inspection was prompted by the anticipated renewal of the National Pollutant Discharge Elimination System (NPDES) permit. Ms. Nancy Painter, Director of Plant Operations, represented Western Reserve Healthcare during the inspection.

The existing 41,000 gpd treatment plant consists of grease trap, trash trap, flow equalization, extended aeration, surface sand filtration, chlorination and dechlorination facilities. The treatment components of solids stream consists of a sludge holding tank, and sludge drying beds.

At the time of the inspection, the plant was producing an effluent of satisfactory visual quality in that there was no evidence of solids or oil and grease. The following observations were noted:

TOP PLANT

- The color of the mixed liquor was dark brown. The mixed liquor suspended solids content appears high.
- The air roll in the aeration tank weakens as the air travels the length of the tank. The operation of the blower should be checked. The drop pipes, laterals and diffusers should be checked for possible plugging.
- The settling tank had an excessive sludge buildup behind the baffles. The sludge should be removed behind the baffles. The sludge return rate may need to be adjusted.

BOTTOM PLANTS

- The flow equalization, aeration and settling tanks were operating satisfactorily.
- The surface sand filters were operating satisfactorily. The riser pipes that were in the filter beds have been removed.
- The disinfection facilities were operating satisfactorily.

A review of the monthly operating reports for the period of April 2007 to March 2008 revealed the following effluent violations:

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	50060	Chlorine, Total Residual	1D Conc	0.019	.1	5/1/2007
001	00530	Total Suspended Solids	30D Conc	12	16.	2/1/2008
001	00530	Total Suspended Solids	30D Qty	1.9	2.14269	2/1/2008
001	00530	Total Suspended Solids	7D Conc	18	32.	2/15/2008
001	00530	Total Suspended Solids	7D Qty	2.8	6.24979	2/15/2008

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

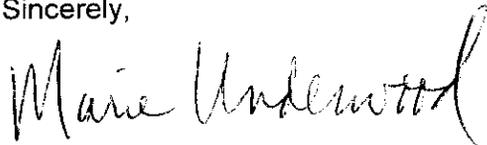
Within 10 days of the date of this letter, you are required to notify this office, in writing, outlining the corrective action, either actual or proposed, that will be taken to eliminate the above highlighted deficiencies.

Pursuant to Ohio Administrative Code 3745-7-09, effective December 21, 2006, this Agency requires the owner and operator of record of a wastewater treatment plant to maintain operation and maintenance records for the wastewater treatment plant. The records shall be housed on site and shall be accessible for twenty-four hour inspection. Some of the information that must be recorded includes the identification of the treatment works, date and times of arrival and departure for the operator of record, specific operation and maintenance activities that affect the quality or quantity of sewage or effluent produced, results of tests performed and samples taken, performance of preventative maintenance and repairs, and identification of the persons making the entries. Please review the administrative code carefully for information on all requirements.

The renewal permit will be drafted in the near future. When it is public noticed, please review the permit carefully. A 30-day comment period will be provided. Any questions or comments concerning the draft permit must be submitted in writing.

Should you have any questions, do not hesitate to contact this writer at (330) 963-1183.

Sincerely,



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

MU/mt