



**Environmental
Protection Agency**

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

June 28, 2011

RE: WAYNE COUNTY
MILTON TWP
CROWN HILL MANOR
NPDES #3PW00037

Mr. Art Shoup
Crown Hill Manor
9652 Akron Road
Rittman, Ohio 44270

Dear Mr. Shoup:

On June 21, 2011 this writer conducted an inspection of the sewage treatment plant serving the above referenced facility. At the time of the inspection, the wastewater treatment plant was in good operation and maintenance condition.

Our records indicate the wastewater treatment plant was approved by Ohio EPA in August 1990 with upgrades installed around 2007. The existing wastewater treatment plant consists of a trash trap, followed by a 4,500 gallon extended aeration treatment plant, dosing chamber, surface sand filter, and a chlorine contact tank.

The upgrades consisted of a treatment system for the backwash water from the water treatment plant and a dechlorination unit after the chlorine contact tank. These upgrades are a 1,000 gallon trash trap (settling tank), 187 gallon dosing chamber, 400 square foot red water filter and a 1,000 gallon flow equalization tank.

At the time of the inspection, the treatment plant was producing what appeared to be a satisfactory quality effluent. The mixed liquor in the aeration tank had a good color. The blowers and pumps were operating and the sand filter beds appeared to be in good condition.

A review of your discharge monitoring reports covering the period May 2009 through May 2011 revealed the following effluent violations.

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
September 2010	001	Residue, Total Dissolv	1D Conc	1500	2540.	9/17/2010
December 2009	001	Residue, Total Dissolv	1D Conc	1500	2990.	12/18/2009
December 2009	602	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.5	12/1/2009
April 2010	001	Residue, Total Dissolv	1D Conc	1500	3810.	4/16/2010
September 2009	001	Residue, Total Dissolv	1D Conc	1500	2700.	9/18/2009
August 2009	602	Total Suspended Solids	30D Conc	12	50.	8/1/2009
August 2009	602	Total Suspended Solids	7D Conc	18	50.	8/15/2009
August 2009	602	Total Suspended Solids	30D Qty	.204	.2483	8/1/2009
February 2011	001	Residue, Total Dissolv	1D Conc	1500	2330.	2/18/2011
March 2011	001	Residue, Total Dissolv	1D Conc	1500	3910.	3/18/2011
June 2010	602	Total Suspended Solids	30D Conc	12	43.	6/1/2010
June 2010	602	Total Suspended Solids	7D Conc	18	43.	6/15/2010

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Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2010	602	Total Suspended Solids	30D Qty	.204	.2093	6/1/2010
June 2010	603	Total Suspended Solids	1D Conc	45	58.	6/18/2010
June 2010	603	Total Suspended Solids	30D Conc	30	58.	6/1/2010
August 2010	001	Residue, Total Dissolv	1D Conc	1500	3420.	8/20/2010
August 2010	602	Total Suspended Solids	30D Conc	12	13.	8/1/2010
August 2010	603	Total Suspended Solids	30D Qty	.113	.22265	8/1/2010
May 2009	001	Residue, Total Dissolv	1D Conc	1500	3230.	5/29/2009
July 2010	001	Residue, Total Dissolv	1D Conc	1500	2450.	7/23/2010
January 2010	001	Residue, Total Dissolv	1D Conc	1500	2620.	1/22/2010
October 2009	001	Residue, Total Dissolv	1D Conc	1500	2400.	10/16/2009
March 2010	001	Residue, Total Dissolv	1D Conc	1500	4390.	3/19/2010
November 2009	001	Residue, Total Dissolv	1D Conc	1500	2450.	11/20/2009
February 2010	001	Residue, Total Dissolv	1D Conc	1500	3680.	2/19/2010
December 2010	001	Residue, Total Dissolv	1D Conc	1500	2360.	12/17/2010
October 2010	001	Residue, Total Dissolv	1D Conc	1500	2080.	10/22/2010
November 2010	001	Residue, Total Dissolv	1D Conc	1500	2780.	11/18/2010
May 2010	001	Residue, Total Dissolv	1D Conc	1500	2240.	5/21/2010
June 2009	001	Residue, Total Dissolv	1D Conc	1500	1540.	6/19/2009
June 2009	602	Total Suspended Solids	30D Conc	12	14.	6/1/2009
May 2011	001	Residue, Total Dissolv	1D Conc	1500	3880.	5/20/2011
April 2011	001	Residue, Total Dissolv	1D Conc	1500	2240.	4/29/2011

The wastewater treatment plant is experiencing significant total dissolved residual effluent violations. A November 20, 2010 letter to the Ohio EPA explained steps taken at the plant to identify and correct the total dissolved residual violations. To date this issue remains a problem. Ohio EPA will further research the issue and schedule a meeting with your operator to review plant operations.

Should you have any comments or questions regarding this letter, please contact this office at (330) 963-1255.

Respectfully,



Todd Surrena
 Engineering Geologist
 Division of Surface Water

TMS/mt

cc: Wayne County Health Department

File: Semi-Public/Wayne/MiltonTwp/CrownHillManor