



State of Ohio Environmental Protection Agency

Northeast District Office

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

November 10, 2009

RE: WAYNE COUNTY  
VILLAGE OF CRESTON  
NPDES# 3PB00012

Mr. Mark Allen, Supervisor  
Village of Creston  
179 Burbank Street  
Creston, OH 44217

On October 14, 2009 this writer met with you and Mr. Doug Nusser to conduct inspections of the Sanitary Sewer Improvement Project on South Main Street and the wastewater treatment plant in operation for the Village of Creston. The purpose of the inspections was to evaluate the progress of the DEFA sewer project and to evaluate the operations and maintenance of the wastewater treatment plant, review compliance history and evaluate data.

- 1) In accordance with the NPDES permit, the Village has been reporting Sanitary Sewer Overflows to the Ohio EPA when they occur. In addition, records are maintained at the wastewater treatment plant office of any SSO's and sewer backups that have occurred.
- 2) Since the last inspection, the Village has replaced the disconnect boxes on the influent pumps and two of the four blowers have been replaced in the span of four years.
- 3) At the time of the inspection, the comminutor was in good operating condition. The aeration tanks were in good condition and contained a mixed liquor that was a chocolate brown color and was provided with adequate mixing and sufficient air. Bar screens are located at the influent to the aeration tank to prevent rags from clogging the return pumps. A bale of barley straw has been added to the aeration tank to control algae growth.
- 4) The clarifiers were in good condition with mild solids accumulation in the troughs and effluent weir. The effluent from the clarifiers was clear with some grease noticeable in the return line. The Village has a grease ordinance which requires a grease trap for food licensed facilities. It is understood there may be some facility/facilities that have outgrown their grease traps and the grease overflows the trap and gets into the sanitary system. It is recommended the ordinance be enforced to size appropriate grease traps for food licensed facilities discharging to the sanitary sewer system.

- 5) The filters were rebuilt in 2007 with a new pump replaced on one of the filters. Anthracite media was recently replaced on the filters. There was grease present on the surface of the filters.
- 6) The sludge is a 50/50 mixture of solids from the wastewater treatment process and yard waste/leaves. It is understood the facility is a Class B sludge and land applies sludge with Agri Sludge hauling and conducting the land application activities. If you have any questions regarding your sludge handling activities, please contact Chris Moody at (330) 963-1118.
- 7) Only one digester was in operation at the time of the inspection. At the time of the previous inspection on October 30, 2008, the two aerobic digesters were operated anaerobically for portions of the day with the air turned on periodically. It is understood this is the current mode of operation. At the time of the previous inspection, the anaerobic operation of the digesters was producing an odor once the air was cycled on. No heavy odors were present at the time of the inspection. Samples pulled off the supernatant (which was pulled from the digesters on October 13, 2009) had a D.O. of over 5. It is understood Polymer is fed at the influent to the digesters.

At the time of the previous inspection, an odor complaint prompted this office to recommend the digester operation be maintained aerobically, per the original design. During the inspection, no heavy odor was noticed around the digesters. In addition, you indicated you were interested in operating the digesters anaerobically for short term periods throughout the day. Since no odor was present at the time of the inspection, this office does not object to the current operation of the digesters. Please be aware, if any future odor problems occur in relation to the digesters, we will recommend the digesters be operated according to original design.

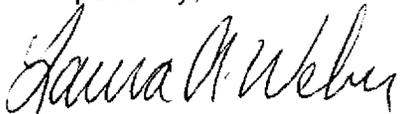
- 8) The I/I study was completed by the engineer consultant. It is understood the report is under review and is in draft form. During the inspection, it was indicated the I/I study revealed the sanitary sewer collection system is in good condition but contained many sump pumps that were tied into the sanitary sewer system because there was a lack of storm sewers. In addition, the Village currently has an ordinance in effect for sump pumps which prohibits them from discharging to the sanitary sewers. Please forward a copy of the finalized I/I study to this office.

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- 9) During the site inspection, it was discovered that some of the project area may be located outside the Creston Facilities Planning Area (201 Plan). More specifically, the houses located on the east side of the project site, along S.R. 3 are currently served by on-site septic systems and are currently not included in the 201 planning area. If these homes are to be served by the proposed sanitary sewer extension, this would be in disagreement with the 201 Plan for Creston. This office is recommending a review of the 201 Planning Area for Creston and a possible update be completed. As a reminder, please notify your local planning agency, NEFCO, of any potential changes that may need to be made to your Facilities Planning Area. In addition, please notify this office of any changes made to your 201 Plan.
- 10) A summary of wastewater treatment plant discharge and frequency violations for the period of January 1, 2008 through October 1, 2009 has been attached to this letter. Please review all plant data to ensure the violations are accurate. Your facility is in non-compliance for discharge and frequency violations. Any reporting errors or eDMR errors must be reported to the Ohio EPA so the error can be resolved. You may contact Mr. James Roberts of this Agency's Central Office at (614) 644-2054 to discuss this issue directly.

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

Respectfully,



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

LAW/mt

pc: Douglass A. Nusser, P.E. Poggemeyer Design Group

File: Public/Wayne/Village of Creston

Reporting Violation:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2008	001	CBOD 5 day	7D Qty	17.0	23.5252	2/1/2008
March 2008	001	CBOD 5 day	30D Qty	11.4	11.7401	3/1/2008
August 2008	001	CBOD 5 day	30D Conc	10	28.3625	8/1/2008
August 2008	001	CBOD 5 day	7D Conc	15	106.025	8/1/2008
August 2008	001	CBOD 5 day	30D Qty	11.4	27.4176	8/1/2008
August 2008	001	CBOD 5 day	7D Qty	17.0	102.657	8/1/2008
February 2009	001	CBOD 5 day	7D Qty	17.0	22.0675	2/8/2009
April 2008	001	Dissolved Oxygen	1D Conc	5.0	2.6	4/7/2008
March 2008	001	Nitrogen, Ammonia (NH3	7D Qty	14.7	16.3417	3/22/2008
April 2008	001	Nitrogen, Ammonia (NH3	30D Qty	9.9	10.0056	4/1/2008
April 2008	001	Nitrogen, Ammonia (NH3	7D Qty	14.7	16.3143	4/15/2008
July 2008	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	1.635	7/1/2008
July 2008	001	Nitrogen, Ammonia (NH3	30D Qty	1.7	2.3371	7/1/2008
July 2008	001	Nitrogen, Ammonia (NH3	7D Qty	2.6	3.99343	7/8/2008
February 2008	001	Total Suspended Solids	7D Conc	18	18.5	2/1/2008
February 2008	001	Total Suspended Solids	30D Qty	13.6	20.1962	2/1/2008
February 2008	001	Total Suspended Solids	7D Qty	20.4	63.0278	2/1/2008
March 2008	001	Total Suspended Solids	30D Qty	13.6	17.2903	3/1/2008
March 2008	001	Total Suspended Solids	7D Qty	20.4	34.1350	3/1/2008
April 2008	001	Total Suspended Solids	7D Conc	18	18.5	4/15/2008
February 2009	001	Total Suspended Solids	30D Conc	12	12.6	2/1/2009
February 2009	001	Total Suspended Solids	30D Qty	13.6	22.3765	2/1/2009
February 2009	001	Total Suspended Solids	7D Qty	20.4	38.1774	2/8/2009

Frequency Violation:

Reporting Period	Station	Parameter	Sample Frequency	Expected	Reported	Violation Date
January 2008	001	pH	1/Day	1	0	01/27/2008
February 2008	001	Water Temperature	1/Day	1	0	02/05/2008
February 2008	001	pH	1/Day	1	0	02/05/2008
February 2008	001	Dissolved Oxygen	1/Day	1	0	02/05/2008
February 2008	001	pH	1/Day	1	0	02/24/2008
May 2008	001	Fecal Coliform	2/Week	2	1	05/01/2008
May 2008	001	Total Suspended Solids	2/Week	2	1	05/22/2008
May 2008	001	Nitrogen, Ammonia (NH3	2/Week	2	1	05/22/2008
May 2008	001	Fecal Coliform	2/Week	2	1	05/22/2008
May 2008	001	CBOD 5 day	2/Week	2	1	05/22/2008
September 2008	581	Fecal Coliform in Slud	1/Year	1	0	09/01/2008
September 2008	581	Sludge Fee Weight	1/Year	1	0	09/01/2008
September 2008	581	Fecal Coliform in Slud	1/Year	1	0	09/01/2008
September 2008	584	Fecal Coliform in Slud	1/Year	1	0	09/01/2008
September 2008	584	Sludge Fee Weight	1/Year	1	0	09/01/2008
October 2008	001	Total Suspended Solids	2/Week	2	0	10/15/2008

Reporting Period	Station	Parameter	Sample Frequency	Expected	Reported	Violation Date
October 2008	001	Fecal Coliform	2/Week	2	1	10/15/2008
January 2009	601	Total Suspended Solids	2/Week	2	0	01/15/2009
January 2009	601	CBOD 5 day	2/Week	2	0	01/15/2009
January 2009	001	Total Suspended Solids	2/Week	2	0	01/15/2009
April 2009	001	Water Temperature	1/Day	1	0	04/11/2009
April 2009	001	pH	1/Day	1	0	04/11/2009
April 2009	001	Dissolved Oxygen	1/Day	1	0	04/11/2009
April 2009	001	Water Temperature	1/Day	1	0	04/12/2009
April 2009	001	pH	1/Day	1	0	04/12/2009
April 2009	001	Dissolved Oxygen	1/Day	1	0	04/12/2009
April 2009	001	Nitrogen, Ammonia (NH3)	2/Week	2	1	04/15/2009
April 2009	001	CBOD 5 day	2/Week	2	1	04/15/2009
April 2009	001	Water Temperature	1/Day	1	0	04/18/2009
April 2009	001	pH	1/Day	1	0	04/18/2009
April 2009	001	Dissolved Oxygen	1/Day	1	0	04/18/2009
April 2009	001	Water Temperature	1/Day	1	0	04/19/2009
April 2009	001	pH	1/Day	1	0	04/19/2009
April 2009	001	Dissolved Oxygen	1/Day	1	0	04/19/2009
April 2009	001	Water Temperature	1/Day	1	0	04/25/2009
April 2009	001	pH	1/Day	1	0	04/25/2009
April 2009	001	Dissolved Oxygen	1/Day	1	0	04/25/2009
April 2009	001	Water Temperature	1/Day	1	0	04/26/2009
April 2009	001	pH	1/Day	1	0	04/26/2009
April 2009	001	Dissolved Oxygen	1/Day	1	0	04/26/2009
September 2009	581	Fecal Coliform in Slud	1/Year	1	0	09/01/2009
September 2009	584	Salmonella Sp.	1/Year	1	0	09/01/2009
September 2009	584	Enteric Viruses Plaque	1/Year	1	0	09/01/2009
September 2009	584	Viable Helminth Ova in	1/Year	1	0	09/01/2009