



State of Ohio Environmental Protection Agency

**Northeast District Office**

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

September 16, 2008

RE: WAYNE COUNTY  
WAYNE TWP.  
SMITHVILLE WESTERN LTD  
3PS00010

Mr. Richard Jackson  
Smithville Western, Ltd.  
4110 E. Smithville Western Road  
Wooster, OH 44691

Dear Mr. Jackson:

On August 28, 2008, this writer, accompanied by Chris Moody of this office, met with you to conduct an inspection of the sewage treatment plant for the Smithville Western. The intent of the inspection was to evaluate the compliance, operations and maintenance of the treatment system.

At the time of the inspection, the treatment plant was producing what appeared to be a satisfactory quality effluent. Overall, the plant appeared to be in good operation. The plant consists of a trash trap/tank, flow equalization tanks, aeration and clarifier tanks, gravity filters, sand filters, chlorine/dechlorination tank, sludge storage tanks, and a flow meter. Our inspection of the wastewater treatment plant revealed the following:

- 1) The trash trap appeared to be slightly full. The trash trap is cleaned out every two to three months and was most recently cleaned approximately 1.5 months prior to our visit.
- 2) The mixed liquor in the 1977 plant was brown in color with good air circulation and adequate sludge return. The clarifier had a slightly elevated sludge level. The trough and weirs were accumulated with solids. The clarifier gets cleaned approximately every two months to remove the solids buildup. The weirs are cleaned every week or two.
- 3) The mixed liquor in the 1983 portion of the plant was reddish brown in color with good air circulation and adequate sludge return. There was some foam production in the tank. The clarifier had a slightly elevated sludge level and the troughs and weirs had some solids accumulation. The clarifier gets cleaned every two months and the weirs get cleaned every week or two.
- 3) All the clarifiers were in good operating condition. The skimmers are not run every day but were put into operation during the inspection. There was some minor scum buildup in these tanks but there appeared to be no visible problems with the operation of the skimmers.

- 4) The gravity filters were in operation and in need of some maintenance. Two of the filters had a thick layer of algae/duckweed. The filters should be cleaned routinely to prevent algae overgrowth.
- 5) The pump station following the gravity filters had one pump out of service. Because one dosing pump is out of service, only half of the sand filters are being dosed. As such, one sand filter is being heavily used and was slightly flooded and covered with algae and solids. Once the pump is replaced, the filters will be alternated and the filter in service will be cleaned.
- 6) Sludge from the entire plant is wasted to the large sludge holding tanks which are the aeration tanks from the original 1974 plant. The sludge from the 1983 portion of the plant is sent to a smaller sludge holding tank and wasted to the larger tanks. Sludge is currently land applied with a backup plan to haul sludge to Canton wastewater treatment plant. The land used for land application is located adjacent to the facility and is owned by Smithville Western Ltd.
- 7) During the inspection of the final outfall, a concrete and asphalt debris pile was located within 50 feet of the stream banks. It was mentioned that this material was from a recent sidewalk removal and road repair done at the facility. This material must be moved immediately since fill material and construction debris must not be located near a stream or in a flood plain.
- 8) A summary of the wastewater treatment plant discharge violations for the period of January 2006 through August 2008 is shown below:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2007	001	CBOD 5 day	1D Conc	15	19.	1/12/2007
September 2007	001	Chlorine, Total Residu	1D Conc	.019	.063	9/17/2007
September 2007	001	Chlorine, Total Residu	1D Conc	.019	.068	9/18/2007
October 2007	001	Fecal Coliform	1D Conc	2000	2700.	10/12/2007
March 2008	001	Phosphorus, Total (P)	30D Conc	1	1.73	3/1/2008
March 2008	001	Phosphorus, Total (P)	7D Conc	1.5	1.73	3/1/2008
March 2008	001	Phosphorus, Total (P)	30D Qty	.34	.35359	3/1/2008
April 2008	001	Phosphorus, Total (P)	30D Conc	1	1.48	4/1/2008
May 2008	001	Phosphorus, Total (P)	30D Conc	1	1.175	5/1/2008
June 2008	001	Phosphorus, Total (P)	30D Conc	1	1.12	6/1/2008

The March 2008 phosphorus violations are attributable to the phosphorus removal equipment not being installed until April 2008. The April, May and June 2008 phosphorus violations were attributable to adjusting the feed equipment to operate at a level adequate to meet permit limits.

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The renewal NPDES permit for this facility is being drafted and will be public noticed in the near future. You will have 30 days from the date of the public notice to submit comments to Ohio EPA regarding the draft permit. If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber  
Environmental Engineer  
Division of Surface Water

LAW/mt

cc: Wayne County Health Dept.

ec: Chris Moody, Ohio EPA, DSW, NEDO

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