



**Environmental
Protection Agency**

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

March 15, 2011

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

Ms. Carrie Horst, Administrator
Smithville Western, Ltd.
4110 E. Smithville Western Road
Wooster, OH 44691

Dear Ms. Horst:

On March 8, 2011, this writer conducted an inspection of the sewage treatment plant for the Smithville Western Limited facility. 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. The plant consists of a trash trap/tank, flow equalization tanks, aeration and clarifier tanks, up flow 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 traps were full. The trash traps should be cleaned out.
- 2) The mixed liquor in the 1977 plant was reddish brown in color with good air circulation and adequate sludge return. There was trash and debris in the aeration tank. The clarifier had an elevated sludge level. The trough and weirs were accumulated with solids. Solids could be seen passing over the weirs. The trash, sludge and solids should be cleaned out.
- 3) The mixed liquor in the 1983 portion of the plant was reddish brown in color with good air circulation and adequate sludge return. The clarifier had an elevated sludge level and the troughs and weirs had some solids accumulation. Solids should be cleaned out.
- 4) There was solids buildup on the up flow filters. The solids should be cleaned off the up flow filters.
- 5) One sand filter bed was completely flooded. There was a hole in the concrete wall and the bed was discharging into the other sand filter bed. All the beds were in need of maintenance and cleaning. All cracks and holes in the walls should be repaired.

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- 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) A review of your Discharge Monitoring Reports (DMRs) covering the period September 2008 through January 2011 revealed the following effluent violations:

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2009	Phosphorus, Total (P)	30D Conc	1	2.28	1/1/2009
January 2009	Phosphorus, Total (P)	7D Conc	1.5	2.28	1/8/2009
January 2009	Phosphorus, Total (P)	30D Qty	.34	.50916	1/1/2009
January 2010	Dissolved Oxygen	1D Conc	6.0	.64	1/21/2010

Overall, the results of the inspection were satisfactory. 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) 963-1255.

Respectfully,



Todd Surrena
Engineering Geologist
Division of Surface Water

TMS/mt

cc: Wayne County Health Dept.
Richard Jackson, Operator, Smithville Western Limited

File: Semi-Public/Wayne/Wayne Twp./Smithville Western Limited