



State of Ohio Environmental Protection Agency

Northeast District Office

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

November 6, 2008

RE: WAYNE COUNTY  
ORRVILLE WWTP  
3PD00017

Mr. Robert Auten, Superintendent  
Orrville WWTP  
City of Orrville  
207 North Main Street  
P.O. Box 107  
Orrville, OH 44667

Dear Mr. Auten:

An inspection of the Orrville Wastewater Treatment Plant was conducted by this writer and Chris Moody of this office on October 30, 2008. You were interviewed and the facility was inspected in your presence. The intent of the inspection was to evaluate the compliance, operations and maintenance of the treatment system.

The wastewater treatment system consists of the following: comminutor, influent pumping, flow equalization, primary sedimentation, trickling filter-rock media, sedimentation, activated sludge (conventional), sedimentation, biological nitrification-separate stage, alum addition – secondary, polymer addition, secondary clarification, mixed media filter, chlorination, dechlorination, and post aeration outfall pumping.

At the time of the inspection, all the treatment plant processes were in operation and in good condition. The effluent being discharged was clear, contained no visible solids or foam, and was causing no visible impact upon the stream.

Since the last inspection, the following updates were completed at the treatment plant:

- A fish pond and effluent constructed wetland were installed near the wastewater treatment plant offices.
- The sludge process was upgraded in 2007 to improve efficiency of the digestion process. The improvements included providing an external heat exchanger and means for sludge mixing for both the Primary and Secondary Digesters. The improvement project provided one new mixing/recirculation pump, one new heat exchanger.

A permit-to-install was recently approved by this office for the proposed connection of the Orrville Power Plant to the Orrville Wastewater Treatment Plant. The proposed discharge from the Orrville Power Plant was accepted by your facility in correspondence received by our office May 15, 2008. The proposed discharge shall be from the Orrville Power Plant coal pile runoff, boiler blow down, water softener regeneration and general cleaning discharges within the facility. You indicated this project will begin construction shortly.

In November 2006, you were issued a modification to the Pretreatment Program's Local Limits. The modification issued no limits to the City of Orrville's program local limits for the following parameter's Copper, Lead, Mercury, Silver and Zinc. As such, you will continue to have no limits for your local industrial discharge limitations. Ms. Donna Kniss is the Pretreatment Program Coordinator for Northeast District Office and is scheduled to conduct a pretreatment audit for the City of Orrville in

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the near future. She will be contacting you to set up an inspection date. If you have any questions for Ms. Kniss, she can be contacted at (330) 963-1285.

The Orrville Wastewater Treatment Plant treats over 1.0 MGD of wastewater and is therefore subject to further stormwater requirements in the NPDES permit. During the inspection, we found areas around the facility that were exposed to stormwater and therefore require you to develop a stormwater pollution prevention plan and modify your NPDES permit to incorporate Parts 4, 5 and 6. Our office will handle the modification of your NPDES permit and you will be notified when the process is complete. Further information regarding the stormwater requirements for your facility will be included in correspondence from Chris Moody of this office. If you have any immediate concerns regarding the stormwater program, please contact Chris at (330) 963-1118. You recently inquired about accepting hauled wastes at the wastewater treatment plant. You intend to have the trucked loads dumped directly into the sludge handling process. Chris Moody will be following up with you regarding the requirements you must meet prior to accepting hauled wastes through the sludge process. Please notify this office if you decide to accept hauled waste at the headworks of the plant.

A summary of the wastewater treatment plant NPDES permit violations for the period January 2006 to October 15, 2008 is shown below:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2008	001	Dissolved Oxygen	1D Conc	6.0	.	5/15/2008
December 2006	001	pH, Maximum	1D Conc	9.0	9.12	12/15/2006
September 2007	001	pH, Minimum	1D Conc	6.5	4.54	9/14/2007
September 2007	001	pH, Minimum	1D Conc	6.5	5.67	9/16/2007
January 2008	001	pH, Minimum	1D Conc	6.5	4.81	1/26/2008
May 2008	001	pH, Minimum	1D Conc	6.5	.	5/15/2008
May 2008	001	pH, Minimum	1D Conc	6.5	.	5/16/2008
May 2008	001	pH, Minimum	1D Conc	6.5	4.52	5/18/2008

Overall, the results of the inspection were satisfactory. 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/mlh

pc: Dan. L Preising, P.E., Director of Utilities, Orrville Utilities

ec: Chris Moody, Ohio EPA, DSW, NEDO

File: Public/Permit Compliance - Orrville