



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 30, 2008

RE: WAYNE COUNTY
CITY OF RITTMAN
RITTMAN WTP
NPDES # 3IY00162

City Manager
City of Rittman
30 N. Main Street
Rittman, OH 44270

Dear Ladies and Gentleman:

On December 17, 2008 this writer met with Mr. Cary Metcalf to conduct an inspection of the sewage treatment plant for the City of Rittman Water Treatment Plant (City). The intent of the inspection was to evaluate operations and maintenance of the treatment system prior to drafting the next NPDES permit.

At the time of the inspection, the treatment plant was producing what appeared to be a satisfactory quality effluent. The plant consists of a 1500 gallon extended aeration package plant, surface sand filters, chlorine contact tank, a 124,800 gallon red water holding tank and two red water surface sand filters. Overall, the plant appeared to be in good operation. The inspection of the wastewater treatment plant revealed the following:

- 1) The aeration tanks contained a mixed liquor that was a light grayish brown and was provided with good air circulation. Since only one employee works at the water treatment plant at any given time, the wastewater treatment plant is organically underloaded. The color of the mixed liquor in the aeration tank should be a dark chocolate brown. To increase the solids concentration in the wastewater treatment plant, the plant could be dosed with a concentrated solids load from another wastewater treatment facility. The final clarifiers were in good condition with minimal solids buildup on the weirs. The surface sand filters for the sanitary package plant were in good condition and had recently been cleaned. The final outfall at the creek was inspected and found to be in good condition.
- 2) The industrial red water holding tank was in good condition. The red water surface sand filters were in good condition with minimal solids buildup on the sand media. It is understood the City has never removed sludge from the sand filters since they were installed in 2005. Because the City removes Arsenic from their potable water, it is our understanding that the sludge removed from these red water filters would have to be sent to a landfill for treatment as a hazardous

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waste. If you discover that sludge was removed from the red water filters since they were installed, please forward copies of all documentation to our office showing the delivery to the landfill.

- 3) At the time of the inspection, the chlorination system was not in service. It is understood the chlorination had been taken offline years ago and there is no dechlorination at the wastewater treatment plant. Reviewing the attached violation summary, there are chlorine violations occurring at the internal monitoring station (sampling station 601) which is collected at the chlorine contact chamber of the sanitary sewage plant. This would indicate there is a chlorine residual carrying over to the wastewater treatment plant from the potable water inside the building. We recommend the wastewater treatment plant install dechlorination, which was part of the original wastewater treatment plant design.
- 4) A summary of the wastewater treatment plant discharge violations for the period of January 1, 2006 to December 1, 2008 has been attached to this letter. You must review all plant data to determine which violations are accurate or if there was a reporting error by the lab or our data collection program. You indicated this review would be conducted and forwarded to this office as soon as possible. Any reporting errors or eDMR errors must be reported to this office 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

Attachment: Violation Summary

cc: Cary Metcalf, Utilities Director
Wayne County Health Dept.

File: Industrial/Rittman WTP PC

Reporting/Limit Violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2007	001	01002	Arsenic, Total (As)	30DConc	20	37.6	6/1/2007
June 2007	001	01002	Arsenic, Total (As)	1D Conc	30	37.6	6/20/2007
August 2007	601	80082	CBOD 5 day	30DConc	10	10.04	8/1/2007
April 2006	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	4/25/2006
August 2007	601	50060	Chlorine, Total Residu	1D Conc	0.019	.07	8/1/2007
August 2007	601	50060	Chlorine, Total Residu	1D Conc	0.019	.06	8/6/2007
October 2008	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	10/13/2008
March 2006	001	00530	Total Suspended Solids	30Donc	10	11.5	3/1/2006

Frequency Violations:

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
December 2006	001	00530	Total Suspended Solids	1/Month	1	0	12/01/2006
December 2006	588	51129	Sludge Fee Weight	1/Year	1	0	12/01/2006
March 2007	601	01330	Odor, Severity	1/Week	1	0	03/22/2007
March 2007	601	01350	Turbidity, Severity	1/Week	1	0	03/22/2007
August 2007	601	01350	Turbidity, Severity	1/Week	1	0	08/01/2007
August 2007	601	01350	Turbidity, Severity	1/Week	1	0	08/08/2007
August 2007	601	01350	Turbidity, Severity	1/Week	1	0	08/15/2007
August 2007	601	01350	Turbidity, Severity	1/Week	1	0	08/22/2007
November 2007	001	50060	Chlorine, Total Residu	1/Month	1	0	11/01/2007
December 2007	588	51129	Sludge Fee Weight	1/Year	1	0	12/01/2007
December 2007	601	00056	Flow Rate	1/Month	1	0	12/01/2007