



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Naily, Director

October 25, 2012

RE: RAVENNA WWTP
PERMIT NO. 3PD00018
PORTAGE COUNTY

CERTIFIED MAIL

City of Ravenna
Mayor Joseph Bica & Council
210 Parkway, P.O. Box 1215
Ravenna, Ohio 44266

Mayor and Council:

On September 25, 2012, an inspection of the above referenced facility's wastewater treatment system was conducted. The facility was represented by Mr. Bill Bregant, Superintendent. The purpose of the inspection was to evaluate the operation and maintenance of the treatment plant along with the facility's compliance status with respect to the terms and conditions of the above referenced National Pollutant Discharge Elimination System (NPDES) permit.

The following items were noted/discussed during the inspection:

1. The design flow of the extended aeration wastewater treatment plant is 2.8 MGD. The plant has been averaging 2.05 MGD since June 2009 with a maximum flow of 5.95 MGD on March 10, 2011.
2. In accordance with Ohio Administrative Code 3745-7-04, the sewage treatment facility is classified as a Class III facility.
3. Mr. Bregant holds a Class III Wastewater License. He indicated that he is currently working on his Class IV license.
4. Mr. Bregant has been the Plant Superintendent since June 1, 2012.
5. The treatment system consists of the following:
 - a. Flow equalization basin
 - b. Two aerated grit tanks – all in operation
 - c. Four primary clarifiers – all in operation
 - d. Four aeration tanks – all in operation
 - e. Three clarifiers – only clarifier #3 was in use
 - f. Three stage digester – all in operation
 - g. Three disc filters – all in operation
 - h. Ultraviolet disinfection – 2 banks consisting of 30 lights (60 lights total)
6. An ultrasonic flow meter is used to measure influent flow.
7. Influent samples are collected with an automatic Sigma 900 Max sampler.
8. A new effluent Hach Sigma SD900 effluent sampler was installed in May 2012.
9. Also a new Hach SC200 pH and temperature effluent analyzer was installed in May 2012.
10. Mr. Bregant indicated that a new influent automatic sampler is going to be ordered for next year's capital budget (January 2013).
11. A new Duperon flex rate mechanical bar screen was installed in February 2012.
12. An Automatic security gate was installed at the plant in September 2012.

13. The collection system currently has seven lift stations. One is scheduled to be abandoned this year.
14. The SCADA system is scheduled to be upgraded in 2013. The remaining six lift stations will be integrated into the system. The upgrades have already been approved in the capital budget.
15. Capital funding is available to refurbish the #2 clarifier in 2013.
16. Sludge is pumped to the digester twice per day.
17. The belt filter press is run 2-3 times per week.
18. The sludge is stored on site in sludge beds.
19. The facility is equipped with 7 sludge beds, 2 grit beds, and a sludge storage building.
20. Sludge is removed from the sludge beds twice per year and hauled away by Agrisludge. The sludge is classified as a Class "B" sludge.
21. Alum is fed into the treatment system for phosphorus removal. Mr. Bregant indicated that he is looking into purchasing an inline phosphorus analyzer in order to save on the amount of alum used.
22. The treatment plant receives 600,000–700,000 gallons per day of wastewater from Portage County. The County contributes approximately 1/3 of the flow to the treatment plant.
23. The flow equalization basin is equipped with a bypass, which blends with the final effluent.
24. The final effluent was clear.
25. A permanent marker at the outfall was posted per the requirement of Part II, Letter W of the facility's NPDES permit.
26. Mr. Bregant inquired about the requirements, which must be met in order to not staff the treatment plant 24 hrs per day. Ohio EPA does not have any criteria, which must be met. Ohio EPA cautions that care be taken when instituting this practice. This Agency has experienced that the SCADA systems are not always fail proof.
27. Currently the plant is staffed with the following personnel:
 - a. 1 - Superintendent
 - b. 1 - Chemist
 - c. 1 - Maintenance
 - d. 6 – Operators
28. The treatment plant's existing staffing level does not meet the requirement of the facility's current Operation & Maintenance Manual. Ohio EPA is concerned this may affect future compliance of the wastewater treatment system.

This office has recently reviewed your self-monitoring reports covering the period June 1, 2009 through August 31, 2012 for the referenced facility. Our review indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are as follows:

LIMIT VIOLATIONS

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	1.64333	7/22/2010
001	00530	Total Suspended Solids	7D Qty	157	157.191	3/1/2011
001	00530	Total Suspended Solids	7D Qty	157	205.608	3/8/2011
001	01119	Copper, Total Recoverable	30D Qty	0.201	.22491	5/1/2011
001	01119	Copper, Total Recoverable	30D Conc	19	19.5	4/1/2012

Code Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
801	31648	E. coli			AK	9/5/2012

Please notify this office, in writing, within 30 days receipt of this letter, of your intentions to address item 28. The letter should include dates, either actual or proposed.

Please be advised that such instances of noncompliance may be cause for enforcement actions pursuant to the Ohio Revised Code, Chapter 6111.

Should you have any comments or questions concerning this letter, please feel free to call me at (330) 963-1143.

Respectfully,

Michael W. Stevens

Michael W. Stevens
 Environmental Engineer
 Division of Surface Water

MWS/cs

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> <i>Mark Randy</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No <p style="text-align: center; font-size: 1.2em;">OCT 3 1 2012</p>
1. Article Addressed to: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> City of Ravenna Mayor Joseph Bica & Council 210 Parkway, P.O. Box 1215 Ravenna, Ohio 44266 </div>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
2. Article Number (Transfer from service label) <u>7010309000039363305 DSW 10/29/12</u>	

