

**Environmental  
Protection Agency**

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

October 24, 2011

Re: Harrison County  
Germano WTP  
Compliance Evaluation Inspection  
Correspondence (IWW)

Germano Water and Sewer District Board  
90670 Mill Road  
Jewett, Ohio 43986

Dear Board President:

On April 11, 2011, I conducted a compliance evaluation inspection at the Germano Water & Sewer District water treatment plant (WTP). The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) Permit Number 0I200022\*CD and to inspect the facility for renewal of the permit. Mr. Robert Sterling, Harrison County Engineer, was present during the inspection, and represented the District. My inspection findings are summarized below.

The system consists of a groundwater well, potassium permanganate feed, two green sand filters, and sodium hypochlorite feed. The system reportedly produces about 12,000 gpd, of finished water.

The green sand (iron/manganese removal) filters are backwashed 5 times in each two week period, with about 1,400 gallons being discharged during each backwash cycle (which lasts 15 minutes). The backwash water is routed to the sand filter outside the plant building, and then discharged.

At the time of my inspection, there was no discharge. The last discharge occurred on April 6, 2011. No effluent samples were collected during the inspection.

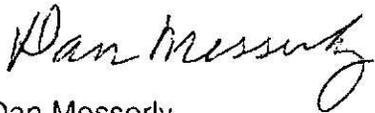
As a result of the inspection, I have the following comments:

- The monthly samples for TSS, Iron, and Manganese are transported unpreserved to county engineer's office in Cadiz, then refrigerated for a couple of hours, then transported unpreserved/unrefrigerated by vehicle to the Ream & Haager Laboratory in New Philadelphia (a 30 to 45 minute transport time). The proper sample preservation is not being met. Please see 40 CFR 136.3 for guidance.

- You must maintain a log book on site, recording each time you utilize the pH meter, noting that it was calibrated in accordance with the manufacturer's requirements, utilizing two buffers, and the operator must sign/date each entry.
- The NPDES permit expired on April 30, 2008. A renewal application was due no later than November 2, 2007. Germano Water & Sewer District submitted the renewal application for the permit on November 8, 2007. Please be advised that Ohio Administrative Code 3745-33-03(B) requires a renewal application at least one hundred eighty days prior to the expiration date.
- A review of the Discharge Monitoring Report results for the period January 1, 2011 thru July 31, 2011, showed some results exceeding the permit limits in April for Iron, Manganese, and TSS.
- The permit renewal Form 2C, submitted on June 10, 2011, was incomplete, because pages V-1 through V-9 were not included. I have enclosed the directions and the applicable pages for your use. Please note Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. Please review the directions for the details on completing these two sections.
- It should be noted that the Harrison County Engineer took over operation of this facility in 2011. This appears to be a good arrangement for operation and monitoring of the facility.

A copy of our completed inspection report is enclosed. Please submit a written response to the aforementioned comments within thirty (30) days of receipt of this letter. If you have any questions, please contact me at (740) 380-5218.

Sincerely,



Dan Messerly  
District Representative  
Division of Surface Water

DJM/dh

Enclosure

c: Robert Sterling, Harrison County Engineer

**NPDES**  
Compliance Inspection Report

**A. NATIONAL DATA SYSTEM CODING**

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
01Z00022*CD	OH0099295	April 11, 2011	C	S	2

**B. FACILITY DATA**

Name & Location of Facility Inspected	Entry Time	Permit Effective Date
Germano Water and Sewer District 90670 Mill Road Jewett, Ohio 43986	Afternoon	May 1, 2003
	Exit Time	Permit Expiration Date
	1-2 hours	April 30, 2008

Name(s) & Title(s) of On-Site Representative(s)	Phone Number(s)
Robert Sterling, Harrison County Engineer Steve Rochnich, Operator Robert Jones, Operator	(740) 946-5324
Name, Address, & Title of Responsible Official	Phone Number
Robert Sterling, Harrison County Engineer Courthouse Cadiz, Ohio 43907	(740) 942-8867

**C. AREAS EVALUATED DURING INSPECTION**

<u>U</u> Permit	<u>S</u> Flow Measurement	<u>N/A</u> Pretreatment
<u>S</u> Records/Reports	<u>S</u> Laboratory *	<u>N/A</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program **
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u>    </u> Other
<u>N/A</u> Collection System		

(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated; N/A = Not Applicable)

\* pH instrument

\*\* Self-monitoring after January 2011 appears satisfactory

**D. SUMMARY OF FINDINGS/COMMENTS** (attach additional sheets if necessary)

See attached letter

Dan Messerly  
Dan Messerly, Inspector, Ohio EPA, Southeast District Office

10/24/11  
Date

Jennifer M. Witte  
Jennifer M. Witte, Reviewer, Ohio EPA, Southeast District Office

10/24/11  
Date