



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

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

May 28, 2008

Re: Guernsey County
Byesville Water Treatment Plant
Compliance Evaluation Inspection
Correspondence (IWW)

Mayor and Council
Byesville
221 East Main Street
P.O. Box 8
Byesville, Ohio 43723

Dear Mayor and Council:

On April 16, 2008, I conducted a compliance evaluation inspection (CEI) of the Byesville water treatment plant. The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) permit number 01Y00100*BD. Mr. Thomas McVickers, plant superintendent was present at the time of my inspection.

Based on the findings of my inspection and the review of our records, I have the following comments:

1. Review of past operating reports has revealed several residual chlorine violations to your permit due to inefficient chlorine removal from the sodium thiosulfate drip. As requested in an earlier conversation, I had asked Mr. McVickers to begin measuring residual chlorine levels at different points throughout your treatment process. Review of the preliminary data showed little removal of residual chlorine following the drip of sodium thiosulfate and mixing in the contact tank. It may be best to setup a drum near the contact tank and directly drip the chemical at a known flow rate into a header pipe below the inflow to allow even mixing. Another troubleshooting recommendation would be to lay a temporary pipe across the ground from your existing feed drum. These two options could determine if there is a leak in your delivery system contributing to low dosages providing little treatment. The dosing pump should also be evaluated and calibrated to determine the efficiency. Failure to take the necessary corrective actions to begin effectively removing residual chlorine from your effluent could result in enforcement actions. Please provide an update within **45** days upon receipt of this letter documenting corrective actions taken.
2. The two sand filter beds were found to be in good condition free of solids and raked level. The filter beds should be operated to prevent significant solids buildup and maintained with adequate sand to provide filtering.

3. Upon inspection of the dechlorination contact tank it was observed that a metal grate was placed beneath the ultrasonic flow meter which provides a signal to determine the proper sodium thiosulfate dosages dependent upon flow. The grating could cause the meter to incorrectly record the flows thus deliver inadequate dosages to remove residual chlorine. Please remove the grate from beneath the meter and make other accommodations to access the tank for sample collection.

At the time of my inspection, the effluent was clear and colorless with very little suspended solids. Attached is a copy of my detailed inspection report. If you have any questions, please contact me at (740) 380-5416.

Sincerely,



Jake Greuey
District Representative
Division of Surface Water

JGG/dh

Enclosure

c: Thomas McVickers, Superintendent, Byesville WTP

NPDES Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0IY00100*BD	OH0128112	April 16, 2008	C	S	2

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Byesville WTP Conquer Hill Road Byesville, Ohio 43723	9:00 a.m.	March 1, 2008
	Exit Time	Permit Expiration Date
	11:30 a.m.	February 28, 2013

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Thomas McVickers, Plant Superintendent	
Name, Address and Title of Responsible Official	Phone Number
Mayor and Council 221 East Main Street PO Box 8 Byesville, Ohio 43723	

C. AREAS EVALUATED DURING INSPECTION

<u>S</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>M</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>M</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)

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

See attached letter.



 Jake Greuey, Inspector, Ohio EPA, Southeast District Office

5/4/08

 Date



 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

5/2/08

 Date