



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

July 31, 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:

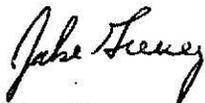
On July 22, 2008, I conducted a compliance evaluation inspection (CEI) of the Byesville water treatment plant. The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) permit number 0IY00100*BD. Mr. Thomas McVickers, 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. Upon investigation of the de-chlorination drip it was suggested that the drip feed line be inserted directly into the end of the discharge pipe at the contact tank to improve mixing with the influent flow to the contact chamber. It was also recommended to Mr. McVickers to install two baffles in the contact chamber to increase detention time by forcing the incoming flow downward and through the entire tank. The improved initial mixing of the sodium thiosulfate in the end of the pipe and the increased detention time with the baffles should improve residual chlorine removal.
2. The two sand filter beds were also found to be low in filter sand and in need of immediate rehabilitation. The filter beds should be maintained with a filter sand layer of 18" inches with a freeboard of 18" inches. The current lack of sand in the filter beds creates a relatively short filtering time which prevents a lot of natural residual chlorine loss through volatilization. Failure to rehabilitate the filter beds will also lead to poor solids removal and additional violations to your permit in the near future.

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 | July 22, 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 | 9:30 a.m. | March 1, 2008 |
| | Exit Time | Permit Expiration Date |
| | 10:15 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> </u> S Permit | <u> </u> S Flow Measurement | <u> </u> N/A Pretreatment |
| <u> </u> S Records/Reports | <u> </u> S Laboratory | <u> </u> N/A Compliance Schedules |
| <u> </u> M Operations & Maintenance | <u> </u> S Effluent/Receiving Waters | <u> </u> M Self-Monitoring Program |
| <u> </u> S Facility Site Review | <u> </u> S Sludge Storage/Disposal | <u> </u> Other |
| <u> </u> N/A 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

7/30/08

 Date



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

7/31/08

 Date