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State of Ohio Environmental Protection Agency

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**Certified Mail #91 7108 2133 3932 4449 8140**

June 29, 2009

Mayor Jane Taylor  
Village of Chesterville  
75 Sandusky Street  
P.O. Box 13  
Chesterville, Ohio 43317

**Re: Chesterville STP  
NPDES permit: 4PA00103**

Dear Mayor Taylor:

Attached is the Reconnaissance Inspection Report for the Chesterville Sewage Treatment Plant operating under NPDES permit 4PA00103.

There are several items in the Attachment section of the report which **require a written response. Please respond in writing within 30 days of this letter/report.**

Should you have any questions, please call me at 614-728-3846.

Sincerely,

Larry Korecko  
Environmental Specialist  
Compliance and Enforcement  
Division Surface Water  
Central District Office

c: Lonnie McGhee, McGhee's Technical Water Services

LK/nsm Chesterville 6-1-09 cover letter

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

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice G. D. C. ..."

**NPDES**  
Compliance Inspection Report

**A. NATIONAL DATA SYSTEM CODING**

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
4PA00103	OH0124478	6-1-2009	R	S	1

**B. FACILITY DATA**

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Chesterville Sewage Treatment Plant SR 314 South near SR 95 Chesterville, OH		10/01/2006
	Exit Time	Permit Expiration Date
		9/30/2011

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Wes Craft of McGhee's Water and Wastewater Services –contract operator	419-886-4716
Name, Address and Title of Responsible Official	Phone Number
Mayor Jane Taylor, Village of Chesterville, 75 Sandusky St., PO Box 13, Chesterville, OH 43317	419-768-3447

**C. AREAS EVALUATED DURING INSPECTION**

<u>S</u> Permit	<u>M*</u> Flow Measurement	<u>N/A</u> Pretreatment
<u>S</u> Records/Reports	<u>N</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>S</u> Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)  
\*See Attachment

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

- ~ Flow meter must be calibrated by an outside firm (see Attachment)
- ~ Look into purchase of a generator for plant

Larry Korecko  
Larry Korecko, Inspector, Ohio EPA, Central District Office

6-26-09  
Date

Erin Sherer  
Erin Sherer, Reviewer, Ohio EPA, Central District Office

6-26-09  
Date

ATTACHMENT  
Chesterville Sewage Treatment Plant

Operation and Maintenance

The wastewater treatment plant consists of mechanical fine screens, extended aeration and clarification through the BIOLAC system in two identical trains, post aeration and ultraviolet disinfection. A sludge holding tank is also provided.

Currently only one train of the sewage treatment system is used because flows are so low. The average flow for the period January 2008 through May 2009 was 20,000 gallons per day. The design flow for the plant is 95,000 gallons per day.

There is ample sludge storage and 24,000 gallons of sludge was hauled on November 17, 2008

Facility still does not have its own generator; although contract operator has access to portable generator(s). Village should still consider purchasing its own generator. **Please comment in writing. Are there "quick connects" currently installed for any plant equipment or pump stations?**

Self-monitoring and effluent

Review of monthly self-monitoring reports in SWIMS for the period March 2007 through May 2009 revealed a few permit violations. These violations are listed on an attached page.

A 24 hour sampler is used. Samples are collected and taken to a drop-off point in an iced cooler where they are picked up by MASI Labs and analyzed by MASI Lab.

Flow monitoring

Flow meter was calibrated October 29, 2004. The flow meter is an ABB Datum UL 1500 and the chart recorder is a Fischer Porter Model 1492. I contacted the Midwest Municipal Instrumentation Company out of Jamestown, Ohio as they were listed under the ABB/Fischer Porter web page. Person at this company said that flow meter and chart recorder should be calibrated once per year. He even gave a contact, Mark Johnson (614-270-1924) who used to work for ABB/Fischer Porter but is out on his own now doing calibrations.

**Please have the flow meter calibrated by an outside firm as soon as possible. Please comment in writing.**

Operator also performs "stick" calibrations which are usually done on a monthly basis and recorded. This is a good practice. However unless you are certified to calibrate a particular make or makes of flow meters, an outside firm should do a once a year calibration as mentioned above.

### Collection System

The collection system along with the sewage treatment plant was constructed in 2001-2002. There does not appear to be much inflow/infiltration in this new system. When examining flow data for the period January 2008 through May 2009 the highest daily flow was 63,000 gallons per day and this coincided with rains of 1.5 inches and 2.0 inches on consecutive days. The next highest flow was 35,000 gallons per day.

There are three lift stations in the system. One is at the wastewater treatment plant, one is the West Street lift station, and one is the SR 314 lift station at Creek Street. According to the operator, all lift stations have autodialers as well as visible and audible alarms.

CHESTERVILLE STP

Get New Data

VIOLATIONS

MARCH 2007 THROUGH MAY 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PA00103*BD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.8	7/1/2008
4PA00103*BD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	13.8	7/1/2008
4PA00103*BD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.36	.43755	7/1/2008
4PA00103*BD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.5	.87509	7/1/2008
4PA00103*BD	July 2008	001	31616	Fecal Coliform	1D Conc	2000	2200.	7/2/2008
4PA00103*BD	June 2008	001	31616	Fecal Coliform	1D Conc	2000	2400.	6/4/2008
4PA00103*BD	June 2008	001	80082	CBOD 5 day	7D Conc	15	19.	6/22/2008
4PA00103*BD	July 2007	001	31616	Fecal Coliform	1D Conc	2000	5300.	7/3/2007