



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

April 21, 2009

Re: Muskingum County
City of Zanesville
CEI 2009
NPDES #OH0028240
Permit #0PE00000*OD
Correspondence (PWW)

Mr. Danny Smith, Superintendent
City of Zanesville WWTP
1730 Moxahala Avenue
Zanesville, Ohio 43701

Subject: Comments for the Compliance Evaluation Inspection
Please Respond by May 4, 2009

Dear Mr. Smith:

On March 4, 2009, I conducted a compliance evaluation inspection for the City of Zanesville WWTP. I was accompanied by Amy Fuller, Lab Supervisor, Zanesville; Dave Markley, Asst. Supt., Zanesville and yourself. The reason for the inspection was to check the city's compliance with its NPDES permit. The following are comments from the inspection:

- There have been upgrades to the plant and collection system
- There have been violations since the last inspection
- Commercial lab use

There have been upgrades to the plant:

The plant upgrade is progressing on schedule. The grit system, primary clarifier, solids contact tank, and primary sludge pumps have all been put into operation. The contact stabilization tank was put into operation the day of the inspection. It was mentioned to operate the contact tank with an average MLSS of 1500 mg/l to 2500 mg/l. You also should run an F:M ratio for the tank because the removal of BOD from your trickling filters could decrease the available food to sustain the treatment process in the tanks. **Also**, you may want to alternate how many chambers of the tank you have online at any given time. Did the city test to verify how many tanks were necessary to get complete removal from the facility? You may not need all the tanks online at once and this would decrease the amount of food required to sustain the bug population and provide treatment. **Also**, is there a regular schedule for wasting solids from the anaerobic digesters? If not, the city should devise a plan for regular wasting. This decreases the possibility of solids overload in the treatment plant. There have also been upgrades to

the telemetry system and gas monitoring installed in all the plant buildings. The plant is scheduled to be completed October 2009. The Pine/Pershing Phase I relining project has been completed and the Joe's Run interceptor has been inspected for future maintenance yet to be performed.

There have been violations since the last inspection:

As noted in Section G, Item k of the inspection report, there have been loading violations since the last inspection. There was no reason given for the violations. In Part III, Section 12 of your NPDES permit, you are to report any exceedance within 24 hours and follow up with a written report within 5 days. If these become chronic violations, we will initiate a formal enforcement referral.

Commercial lab use:

Coshocton Environmental is used for nitrates, TKN, potassium, silver and ammonia sludge tests. Enviroscience performs the toxicity tests and Belmont labs conduct the priority pollutant scans. Also, Wright State conducts the PCB's and dioxin scans. The lab recently passed the DMRQA testing.

Please respond to this letter by May 4, 2009.

If you have any questions or comments, please feel free to call me at (740) 380-5227.

Sincerely,



Scott Foster
Environmental Specialist 2
Division of Surface Water

SF/dh

Enclosure

- c: Amy Fuller, Lab Supervisor, Zanesville
- c: Dave Markley, Asst. Supt., Zanesville

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPE00000*OD	OH0028240	March 4, 2009	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
City of Zanesville WWTP 1730 Moxahala Avenue Zanesville, Ohio 43701	9:47 a.m.	July 1, 2008
	Exit Time	Permit Expiration Date
	3:48 p.m.	January 31, 2011

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Danny L. Smith, Wastewater Division, Superintendent	(740) 455-0641
Amy J. Stevens Fuller, Laboratory Supervisor	(740) 455-0680
Name, Address and Title of Responsible Official	Phone Number
Danny L. Smith, Wastewater Division Superintendent 1730 Moxahala Avenue Zanesville, Ohio 43701	(740) 455-0641

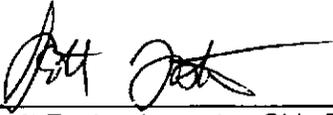
C. AREAS EVALUATED DURING INSPECTION

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

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

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

See attached letter.



Scott Foster, Inspector, Ohio EPA, Southeast District Office

4/21/09

Date



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

4/21/09

Date

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	Yes	No	N/A	N/E
a. Correct name and mailing address of permittee	X			
b. Correct name and location of receiving waters	X			
c. Product(s) and production rates conform with permit application (industries)			X	
d. Flows and loadings conform with NPDES permit	X			
e. Treatment processes are as described in permit application/briefing memo	X			
f. New treatment process(es) added since last inspection	X			
g. Notification given to state of new, different, or increased discharges	X			
h. All discharges are permitted	X			
i. Number and location of discharge points are as described in permit	X			

F. COMPLIANCE SCHEDULES/VIOLATIONS

	Yes	No	N/A	N/E
a. Any significant violations since the last inspection	X			
b. Permittee is taking actions to resolve violations	X			
c. Permittee has compliance schedule	X			
d. Compliance schedule contained in: <u>Part 1 C of NPDES Permit</u>	X			
e. Permittee is meeting compliance schedule	X			

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator: _____ Dual Feed: <u>X</u>	X			
b. Adequate alarm system available for power or equipment failures	X			
c. All treatment units in service other than backup units	X			
d. Sufficient operating staff provided: No. of shifts: <u>3</u> Days/Week: <u>7</u>	X			
e. Operator holds unexpired license of class required by permit Class: <u>4</u>	X			
f. Routine and preventive maintenance schedule/performed on time	X			
g. Any major equipment breakdown since last inspection		X		
h. Operation and maintenance manual provided and maintained	X			
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses: _____ on MORS _____ 800 No.			X	
k. Any hydraulic and/or organic overloads experienced since last inspection	X			

Collection System	Yes	No	N/A	N/E
a. Percent combined system: <u>30</u> %	X			
b. Any collection system overflows since last inspection: CSO <u>1</u> SSO: <u>1</u>	X			
c. Regulatory agency notified of overflow (SSOs)	X			
d. CSO O and M plan provided and implemented	X			
e. CSOs monitored and reported in accordance with permit	X			
f. Portable pumps used to relieve system		X		
g. Lift station alarm systems provided and maintained	X			
h. Are lift stations equipped with permanent standby power or equivalent		X		
i. Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection	X			
j. Any complaints received since last inspection of basement flooding		X		
k. Are any portions of the sewer system at or near capacity	X			

H. SLUDGE MANAGEMENT

	Yes	No	N/A	N/E
a. Sludge adequately disposed (Method: <u>Land applying, landfill</u>)	X			
b. If sludge is incinerated, where is ash disposed of? _____			X	
c. Is sludge disposal contracted (Name: _____)		X		
d. Has amount of sludge generated changed significantly since last inspection		X		
e. Adequate sludge storage provided at facility	X			
f. Land application sites monitored and inspected per state rules	X			
g. Records kept in accordance with state rules	X			
h. Any complaints received in last year regarding sludge		X		
i. Is sludge adequately processed (digestion, dewatering, pathogen control) in accordance with Ohio EPA rules	X			

I. SELF-MONITORING PROGRAM

Part 1 – Flow Measurement	Yes	No	N/A	N/E
a. Primary flow measuring device properly operated & maintained. Type of device: <u>X</u> ultrasonic & parshall flume _____ calculated from influent _____ weir _____ other _____ ultrasonic & weir _____ specify:	X			
b. Calibration frequency adequate (date of last calibration: <u>4/9/08</u>)	X*			
c. Secondary instruments (totalizers, recorders, etc.) properly operated and maintained	X			
d. Flow measurement equipment adequate to handle expected ranges of flows	X			
e. Actual flow discharged is measured	X			
f. Flow measuring equipment inspection frequency: <u>X</u> Daily _____ Weekly _____ Monthly _____ Other				

Comments: *1/year Control Inst. Services

K. MULTIMEDIA OBSERVATIONS

	Yes	No	N/A	N/E
a. Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories		X		
b. Do you notice staining or discoloration of soils, pavement, or floors		X		
c. Do you notice distressed (unhealthy, discolored, dead) vegetation		X		
d. Do you see unidentified dark smoke or dustclouds coming from sources		X		
e. Do you notice any unusual odors or strong chemical smells		X		
f. Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities		X		

If any of the above are observed, ask the following questions:

1. What is the cause of the conditions?
2. Is the observed condition or source a waste product?
3. Where is the suspected contaminant normally disposed?
4. Is this disposal permitted?
5. How long has the condition existed and when did it begin?