



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

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

September 18, 2008

Re: Muskingum County
Dresden WWTP
CEI 2009
OEPA Permit #0PB00012*FD
NPDES #OH0029453
Correspondence (PWW)

Mr. Russell F. Davis, Superintendent
Dresden WWTP
P.O. Box 263
Dresden, Ohio 43821

Subject: Results of the July 31, 2008 Compliance Evaluation Inspection (CEI)

Dear Mr. Davis:

On July 31, 2008, I conducted a CEI at the Village of Dresden WWTP. The purpose of the inspection was for a check of the villages' compliance with its NPDES permit. I was accompanied by Joe May and Phil Webb, Interns, Ohio EPA; Dale Ferrel, Operator, Village of Dresden and you. The following are comments from the inspection:

- The Imhoff Tank Had Sludge Bulking Occurring
- The Secondary Clarifier Tanks and Weirs Were Dirty
- I/I of the Main Sewer
- The Flow Meter is out of Calibration

The Imhoff Tank had sludge bulking occurring:

The Imhoff Tank had floating sludge visible and the side channel was packed solid with sludge. You informed me that the village is working on installation of a water wash down system to keep the solids from floating on top of the tank. The village also hauls 12000 to 15000 gallons of sludge a month to the City of Zanesville for disposal. In accordance with OAC 3745-40-04, item T, the village is required to have 120 days of storage capacity at the plant. Section H, Sludge Management, item g, of the inspection report is marked "no" for adequate sludge storage at the plant. The village should explore the possibility of upgrading its' sludge storage and handling capabilities.

The Secondary Clarifier tanks and weirs were dirty:

The tank walls and weirs were caked with sludge. Please provide regular maintenance for these tanks. **Also**, are you returning enough solids to the head works to alleviate bulking problems in the secondaries and prevent solids loss to the effluent? This was mentioned in the last inspection.

I/I of the Main Sewer:

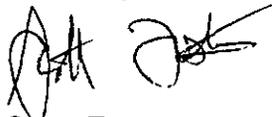
It was discussed that the main sewer line to the treatment facility had major I/I problems. A PTI application has been submitted to the Ohio EPA for replacement of the trunk line and laterals. The line will be increased from 12" to 15". The village also has performed camera work and cleaning in various areas of the village. **Also**, as in reference to item h. in Part G, Collection System, The lift stations are required to have backup generation during power outages. This is contained in Section 47.2 of the Recommended Standards for Wastewater Facilities, 2004 Edition.

The Flow Meter is Out of Calibration

The flow meter had not been calibrated for a few years and should be calibrated at least yearly. Regular maintenance should be provided to all equipment in the plant. You should consult the manufacturers specifications for calibration frequencies. Without proper calibration, this could lead to erroneous readings being reported on your monthly DMR. An inspection report is attached.

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

Sincerely,



Scott Foster
Environmental Specialist 2
Division of Surface Water

SF/dh

Enclosure

- c: Mayor and Council, Village of Dresden
- c: Dale Ferrel, Operator, Village of Dresden

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0PB00012*HD	OH0024953	July 31, 2008	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Dresden WWTP 30 Lock Street Dresden, Ohio 43821	12:25 p.m.	July 1, 2008
	Exit Time	Permit Expiration Date
	1:00 p.m.	June 30, 2013

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Russ Davis, Wastewater Superintendent	(740) 754-2800
Name, Address and Title of Responsible Official	Phone Number
Russ Davis, Wastewater Superintendent 30 Lock Street Dresden, Ohio 43821	(740) 754-2800

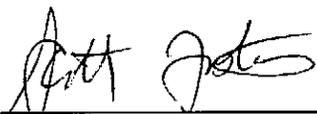
C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>M</u> Flow Measurement	<u>N</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>M</u> Sludge Storage/Disposal	<u>N</u> Other
<u>M</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



Scott Foster, Inspector, Ohio EPA, Southeast District Office

9/19/08

Date



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

9/19/08

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			

Comments:

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: _____			X	
e. Permittee is meeting compliance schedule			X	

Comments:

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator <u>X</u> Dual Feed _____	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: # of shifts <u>1</u> Days/Week <u>5</u>	X			
e. Operator holds unexpired license of class required by permit Class: <u>2</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 <u>X</u> 800 Number	X			
k. Any hydraulic and/or organic overloads experienced since last inspection		X		

Comments:

Collection System *	Yes	No	N/A	N/E
a. Percent combined system: _____%		X		
b. Any collection system overflows since last inspection (CSO ____ SSO ____)		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		

Comments: i. Village applied for PTI for Trunk Line replacement

H. SLUDGE MANAGEMENT

a. Sludge Management Plan (SMP): _____ Submitted Date
 _____ Approval Number
 _____ Not submitted
 _____ X N/A

	Yes	No	N/A	N/E
b. Sludge Management Plan current			X	
c. Sludge adequately disposed (Method: <u>Haul liquid to Zanesville</u>)	X			
d. If sludge is incinerated, where is ash disposed of? _____			X	
e. Is sludge disposal contracted (Name: <u>Zemba Brothers</u>)	X			
f. Has amount of sludge generated changed significantly since last inspection		X		
g. Adequate sludge storage provided at plant		X		
h. Land application sites monitored and inspected per SMP			X	
i. Records kept in accordance with state and federal law	X			
j. Any complaints received in last year regarding sludge		X		
k. Is sludge adequately processed (digestion, dewatering, pathogen control)		X		

Comments: k. Village has no sludge wasting facility at plant. Uses liquid disposal. Need to upgrade sludge handling.
 g. No storage provided other than Imhoff Tank

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: <input checked="" type="checkbox"/> ultrasonic & parshall flume _____ calculated from influent _____ weir _____ Other _____ ultrasonic & weir _____ Specify: _____	X			
b. Calibration frequency adequate (date of last calibration: <u>2006</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: <input checked="" type="checkbox"/> Daily _____ Weekly _____ Monthly _____ Other				

Comments: Flow meter requires calibration more frequently

Part 2 - Sampling	Yes	No	N/A	N/E
a. Sampling location(s) are as specified by permit	X			
b. Parameters and sampling frequency agree with permit	X			
c. Permittee uses required sampling method	X			
d. Sample collection procedures are adequate	X			
i. Samples refrigerated during compositing	X			
ii. Proper preservation techniques used	X			
Conform with 40 CFR 136.3	X			
e. Monitoring records (e.g., flow, pH, D.O., etc.) maintained for a minimum of three years including all original strip chart recordings (e.g., continuous monitoring instrumentation, calibration, and maintenance records)	X			
f. Adequate records maintained of sampling date, time, exact location, etc.	X			

Comments:

Part 3, Laboratory - General	Yes	No	N/A	N/E
a. EPA approved analytical testing procedures used (40 CFR 136.3)	X			
b. If alternate analytical procedures are used, proper approval has been obtained			X	
c. Analyses being performed more frequently than required by permit		X		
d. If (c) is yes, are results reported in permittee's self-monitoring report			X	
e. Commercial laboratory used 1. Parameters analyzed by commercial lab: <u>Metals, SS, CBOD, NH3, Fecals</u> 2. Lab name: <u>Coshocton Env. Testing</u>	X			

Comments:

Part 3, Laboratory - Quality Control/Quality Assurance		Yes	No	N/A	N/E
f.	Quality assurance manual provided and maintained				X
g.	Satisfactory calibration and maintenance of instruments and equipment				X
h.	Adequate records maintained				X
i. Results of latest U.S. EPA quality assurance performance sampling program:					
Date: _____ N/A _____ Satisfactory					
_____ Marginal					
_____ Unsatisfactory					

Comments:

J. EFFLUENT/RECEIVING WATER OBSERVATIONS

Outfall #	Oil Sheen	Grease	Turbidity	Visible Foam	Visible Float Solids	Color	Other
001	None	None	None	None	None	Clear	--

Comments:

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?

Comments: