



State of Ohio Environmental Protection Agency

Southeast District Office

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

August 18, 2008

Re: Belmont County
Village of Shadyside WWTP
Compliance Evaluation Inspection
Ohio EPA Permit No. OPC00009*ED
Correspondence (PWW)

Board of Public Affairs
Village of Shadyside
50 East 39th Street
Shadyside, Ohio 43947

Dear Board Members:

On July 31, 2008, I conducted a Compliance Evaluation Inspection (CEI) of the Shadyside Wastewater Treatment Plant (WWTP). I met with Doug Beekman, Superintendent, who represented the village during the inspection.

The purpose of the inspection was to evaluate the WWTP's status of compliance with the NPDES permit, federal number OH0027383, state number OPC00009*ED. Wastewater samples were not taken. A copy of the inspection report form is attached. Based on the inspection, and a review of the Monthly Operating Report (MOR) data and the permit, the facility appeared to be in compliance on the day of the inspection.

As a result of the inspection and file review, I have the following comments:

1. The effluent sampler is older, was frosted over inside and is in need of a thermometer. It is recommended that it be replaced. Consideration should be given to housing the sampler inside to keep it from freezing in the winter. Some POTWs have housed their samplers inside sheds to protect them from the elements.

The temperature in the sampler refrigerator needs to be operated within the range of 38 – 42 degrees F (3-5.5 degrees C). The temperature should be checked every time a sample is taken and a log of the temperature kept on site. Provide a date by when a thermometer will be installed and verification that the temperature in the refrigerator is adequate.

2. The flow meter has not been calibrated in many years. It must be calibrated once a year or in accordance with the manufacturer's recommendations. Provide a date by when the meter will be calibrated.

3. A review of the Data Monitoring Reports (formerly Monthly Operating Reports - MORs) since the last inspection 12/13/05, indicates effluent violations at outfall 001 in January and March 2007. We have received your report regarding these violations and no additional information is required at this time.
4. The NPDES permit expired on 12/31/07. A complete NPDES application for renewal was submitted on 5/17/07. Ohio EPA is in the process of drafting the renewal permit. Shadyside should receive the draft permit in the near future. Please read it carefully and comment or call within 30 days of receipt if there are any questions.
5. Shadyside's sanitary sewer system has capacity problems when it rains. This is due to inflow and infiltration (I/I) in the sewer system. Inflow is rainwater that enters the sewers through down spouts, basement sump pumps, foundation drains, and storm sewer cross connections. Infiltration is groundwater that enters the sewers through broken sewer pipes and bad pipe joints. The problem in Shadyside is severe enough to cause basement flooding and the manhole at the entrance to the WWTP to overflow (Sanitary Sewer Overflow – SSO) which are unauthorized discharges. The NPDES permit renewal will include a requirement to establish an I/I elimination program.
6. Currently sludge is disposed of by a contract hauler, Hapchuk, Inc. The sludge is taken to the Hapchuk facility out of state and dewatered. The liquid goes to the nearby WWTP and the solids are landfilled.

The NPDES permit draft includes an outfall for landfilling sludge as Shadyside's primary method of disposal. Also included in the draft permit are options to land apply (in Ohio) and on an emergency basis to dispose of sludge at another WWTP.

7. Currently Shadyside's NPDES permit requires the WWTP to be under the supervision of a Class III Wastewater Operator. Ohio's Certified Operator rules have been revised to allow certain facilities that meet the size and other requirements of OAC 3745-07 to lower the required classification. Shadyside meets the criteria to allow the certification to be lowered to a Class II, which is the classification of the current Superintendent, Doug Beekman. This revision to the operator certification requirement will be included in the draft NPDES permit.
8. It is understood that Shadyside has hired a consultant to evaluate the condition of the WWTP. Ohio EPA is currently reviewing a copy of the document "Village of Shadyside – Wastewater Treatment Plant Evaluation", which was provided by Doug Beekman during the inspection.

Please respond, in writing, within 30 days of receipt of this report, to items 1 and 2 above. If you have any questions, please contact me at (740) 380-5284 at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug Beekman", with a long horizontal flourish extending to the right.

Ms. Abbot Stevenson
Environmental Engineer
Permits and Enforcement Section
Division of Surface Water

AS/dh

Enclosure

c: Doug Beekman, Superintendent

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0PC00009*ED	OH0027383	July 31, 2008	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Shadyside Wastewater Treatment Plant 3995 Riverside Drive Shadyside, Ohio 43947	1:00 p.m.	January 2, 2003
	Exit Time	Permit Expiration Date
	2:30 p.m.	December 31, 2007

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Doug Beekman, Superintendent	(740) 676-4748
Name, Address and Title of Responsible Official	Phone Number
Board of Public Affairs Village of Shadyside 50 East 39 th Street or 3737 Riverside Drive Shadyside, Ohio 43947	(740) 676-4313

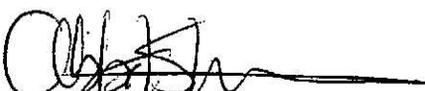
C. AREAS EVALUATED DURING INSPECTION

<u> S </u> Permit	<u> S </u> Flow Measurement	<u> NA </u> Pretreatment
<u> S </u> Records/Reports	<u> S </u> Laboratory	<u> NA </u> Compliance Schedules
<u> S </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> M </u> Collection System		

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

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

1. Collection System - See attached letter Comment #4.
2. Self-Monitoring - See attached letter Comments #1.


Abbot Stevenson, Inspector, Ohio EPA, Southeast District Office

8/18/08
Date


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

8/12/08
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>7</u>	X			
e. Operator holds unexpired license of class required by permit Class: <u>3</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 Number	X			
k. Any hydraulic and/or organic overloads experienced since last inspection	X			

Comments: e. Permit requires Class 3, but will be downgraded to Class 2.

Collection System	Yes	No	N/A	N/E
a. Percent combined system: 0%		X		
b. Any collection system overflows since last inspection (CSO ____ SSO X)	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 when it rains	X			

Comments: f. Portable pump used once to prevent basement flooding.
b. Reported manhole overflow during rain last year.

H. SLUDGE MANAGEMENT

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

	Yes	No	N/A	N/E
b. Sludge Management Plan current			X	
c. Sludge adequately disposed (Method: _____)	X			
d. If sludge is incinerated, where is ash disposed of? _____			X	
e. Is sludge disposal contracted (Name: Hapchuck, Inc.)	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: e. Hapchuck, Inc., 226 Rankin Road, Washington, PA 15301, (724) 222-6080

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	None	

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: