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State of Ohio Environmental Protection Agency

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December 10, 2008

Mayor and Council
Village of Sunbury
9 East Granville Street
Sunbury, OH 43074

Re: Sunbury STP
NPDES permit 4PB00010

Ladies and Gentlemen:

Attached is the Compliance Inspection Report conducted by Ohio EPA for the Sunbury Sewage Treatment Plant (STP) located off South Columbus Street at Middleview Road and operating under NPDES permit 4PB00010.

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

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

Sincerely,

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

Enclosure

c: Rich Felton, Superintendent

LK/nsm Sunbury STP cover letter Cei 11-08-08

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

NPDES Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
4PB00010	OH0055093	11-18-2008	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Sunbury STP South Columbus St and Middleview Rd Sunbury, Ohio 43074		01/01/04
	Exit Time	Permit Expiration Date
		12/31/08

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Rich Felton, Superintendent	740-965-5380
Name, Address and Title of Responsible Official	Phone Number
Len Weatherby, Mayor - Village of Sunbury, 9 East Granville Street, Sunbury, Ohio 43074	740-965-2684

C. AREAS EVALUATED DURING INSPECTION

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

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

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

See Attachment section of report for more details on Areas evaluated.

--- There is still disagreement over expansion joints in regard to the ultimate remedy for the problematic center wall of the oxidation ditch even though steel beams have been installed as braces. **Please inform Ohio EPA when final resolution of the problem is complete.**

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

12-8-08
Date

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

12-9-08
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 NPDES permit				
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 _____ Days/Week _____	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 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: <u>0</u> %				
b. Any collection system overflows since last inspection (CSO <u> </u> SSO <u>X</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		

Comments:

H. SLUDGE MANAGEMENT

- a. Sludge Management Plan _____ 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: <u>land application</u>)	X			
d. If sludge is incinerated, where is ash disposed of? _____			X	
e. Is sludge disposal contracted (Name: <u>Burch Hydro</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:

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:	_____	Satisfactory				
		_____	Marginal				
		_____	Unsatisfactory				

Comments:

J. EFFLUENT/RECEIVING WATER OBSERVATIONS

Outfall #	Oil Sheen	Grease	Turbidity	Visible Foam	Visible Float Solids	Color	Other
001	no	no	no	Very slight	no	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		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:

Complete as appropriate for sampling inspections
Do not attach this page when completing reports for evaluation inspections

L. SAMPLING PROCEDURES (FOR CSI'S)

- _____ Grab samples obtained
- _____ Composite obtained
- _____ Compositing frequency _____ Preservation _____
- _____ Flow proportioned sample obtained
- _____ Automatic sampler used
- _____ Sample split with permittee
- _____ Chain of custody employed
- _____ Sample obtained from facility sampling device
- _____ Sample refrigerated during compositing: _____ Yes _____ No
- _____ Sample representative of volume and nature of discharge _____

Comments:

ATTACHMENT

General

The upgraded sewage treatment plant is now fully functional and the problems that previous operators had in running the plant seem to be resolved by the new operator.

The NPDES permit renewal will have phosphorus limits per the TMDL Report for the Big Walnut Creek. A time schedule will be provided to allow the Village to best determine how it will meet phosphorus limits and time to purchase and install any needed equipment. A Permit to Install from Ohio EPA will be required if any equipment is needed such as chemical addition.

Operation and Maintenance

Steel beams were constructed and attached to the walls to brace the walls together so that the sway-backed cracked central wall on the oxidation ditch would be stabilized.

There is still an issue with expansion joints. **Please inform OEPA when this is resolved.**

Village is having a second reading for a sewer ordinance increase in sewer rates. This money that would be generated will be used to replace some sludge pumps. If sewer rates are not increased then treatment plant will start budgeting so that sludge pumps can be replaced. **Please inform OEPA when a decision is definite on whether to raise sewer rates.**

SVI tests, MLSS tests, and sludge settling rates are regularly performed to enhance plant treatment efficiency.

The SCADA system was adjusted slightly by an outside firm (SAI) and this involved among other items putting timers on the SCADA system.

Collection System

A rating of S/M was given to the collection system because although there is still a lot of inflow/infiltration (I/I) in the collection system, the plant has been able to adequately treat the extra flows due to I/I.

A program to clean out various portions of the sewer system is underway. Superintendent feels that this has helped to eliminate sewer back-ups in individual's basements. A foaming program to eliminate roots in sewers is also underway. Fee Corp has been contracted to camera other portions of the sewer system.

The four pump stations now have autodialers in use. They each have "quick connects" which allow for either portable generators or portable pumps to be used to relieve the system in case of power outages. With money being tight, the purchase of a portable generator is on hold. Village has a company Allied Pumps from which they can rent portable generators if need be.

A graph showing flows for the year 2008 to date is provided. This graph indicates that some infiltration or inflow (I & I) happens quickly. This suggests that if some internal flow meters are rented or purchased and put in during a few heavy rain events, some valuable information might be gained as far as locating I & I.

Sludge

No sludge has been land applied in 2008 through November. Burch Hydro is the contract sludge hauler; and the Village hopes that the contractor can land apply sludge soon, although they still have ample storage space. Village land applies class B sludge. They have been able to meet the Specific Oxygen Uptake Rate (SOUR) test for aerobically digested biosolids. Their test result was 1.0 milligrams of oxygen per hour per gram of sludge. The regulation states that the test result must be less than 1.5 mg/hr/gram in order to meet the vector attraction reduction option.

The fecal coliform test result on sludge was less than 2000 CFUs per gram per total solids which is well under the 2 million limit to demonstrate pathogen requirements. Additional fecal tests will be taken when the sludge is to be land applied. Metals test results were well below the ceiling limits.

A PTI issued 11-17-2003 for the Sunbury plant expansion had a detailed description of the new sludge processes that are currently used at the plant. This PTI in conjunction with sludge management plans 01-268 PW and 01-284 PW describe the treatment and land application of sludge.

Effluent/ Self-Monitoring

Review of monthly effluent discharge reports in SWIMS for the period December 2007 through October 2008 indicated compliance with all parameters that have limits.

Spot checking of values on monthly self-monitoring discharge reports with commercial lab sheets and bench sheets indicated that all data was correctly transposed.

Laboratory

The Sunbury STP performs at this time only limited tests at their lab. These tests are suspended solids, pH, dissolved oxygen, and temperature.

The lab scale was calibrated on January 12, 2008. APG Lab has been contracted to provide "known" samples twice per year for suspended solids and pH.

Sunbury WWTP 4PB00010*FD :
Period : 01/01/2008 to 10/31/2008 Parameter : Flow Rate (MGD)

