



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

June 25, 2010

Re: Ross County
Ross Correctional Institution
Compliance Evaluation Inspection
Ohio EPA Permit No. 0PP00050*DD
Correspondence (PWW)

Mr. Michael Sheets, Warden
Ross Correctional Institute
16149 State Route 104 North
Chillicothe, Ohio 45601

Dear Mr. Sheets:

On June 15, 2010, I met with Charlie Burton, plant operator and conducted a compliance evaluation inspection of the prison system's wastewater treatment plant. The purpose of the inspection was to determine your facility's compliance with the terms and conditions of NPDES permit 0PP00050*DD.

At the time of my inspection all treatment units, other than backup units, were found to be fully operational and well maintained. The inspection of the headworks and grit removal systems found both to be well maintained and all waste products properly disposed of in on-site dumpsters. During my inspection, the primary clarifiers, activated sludge basin and final clarifiers were all found to be well maintained and providing effective treatment. At the time of my inspection, the UV disinfection system was operable although due to some recent power surges the ability to regulate the intensity has been lost and proper repairs are scheduled.

During my inspection, the final effluent was found to be clear and free of any noticeable solids. Attached for your review is a copy of the detailed inspection report. If you have any questions, please contact me at (740) 380-5416.

Sincerely,

Jake Greuey
District Site Representative
Division of Surface Water

JGG/dh

Enclosure

c: Charlie Burton, Plant Operator

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPP00050*DD	OH0076490	June 15, 2010	C	S	1

B. FACILITY DATA

Name & Location of Facility Inspected	Entry Time	Permit Effective Date
Ross Correctional Institution WWTP 15802 State Route 104 Chillicothe, Ohio 45601	8:50 a.m.	August 1, 2008
	Exit Time	Permit Expiration Date
	10:45 a.m.	July 31, 2013

Name(s) & Title(s) of On-Site Representative(s)	Phone Number(s)
Charlie Burton, Plant Operator	(740) 773-1671
Name, Address, & Title of Responsible Official	Phone Number
Mr. Michael Sheets, Warden Ross Correctional Institute 16149 State Route 104 North Chillicothe, Ohio 45601	

C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N/A</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>S</u> Sludge Storage/Disposal	<u> </u> Other
<u>S</u> Collection System		

(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated; N/A = Not Applicable)

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

Jake Greney
Jake Greney, Inspector, Ohio EPA, Southeast District Office

6/25/10
 Date

David D. Schmitt for
Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

6/25/10
 Date

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	YES	NO	N/A	N/E
a. Correct name & mailing address of permittee	X			
b. Correct name & location of receiving waters	X			
c. Product(s) & production rates conform with permit application (industries)			X	
d. Flows & 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 & 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 & 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: No. of shifts: <u>1</u> Days/Week: <u>7</u>	X			
e. Operator holds unexpired license of class required by permit. Class: <u>III</u>	X			
f. Copy of certificate of Operator of Record displayed on-site	X			
g. Minimum operator staffing requirements fulfilled (OAC 3745-7)	X			
h. Routine & preventive maintenance schedule/performed on time	X			
i. Any major equipment breakdown since last inspection		X		
j. Operation & maintenance manual provided & maintained	X			
k. Any plant bypasses since last inspection		X		
l. Regulatory agency notified of bypasses: _____ on MORS _____ 800 No. _____			X	
m. Any hydraulic and/or organic overloads experienced since last inspection		X		

Record Keeping	YES	NO	N/A	N/E
a. Log book provided	X			
b. Log book kept on-site	X			
c. Log book contains the following:				
1. Identification of treatment works	X			
2. Date/time of arrival/departure of ORC	X			

3. Daily record of operation and maintenance activities	X			
4. Laboratory results (unless documented on bench sheets)			X	
5. Identification of person making log entries	X			
d. Is the ORC submitting written notification to Ohio EPA and permittee when a collection system overflow, treatment plant bypass or effluent limit violation has occurred	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> </u>		X		
c. Regulatory agency notified of overflow (SSOs)			X	
d. CSO O&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

	YES	NO	N/A	N/E
a. Sludge adequately disposed. Method: <u>Land Application</u>	X			
b. If sludge is incinerated, where is ash disposed of?		X		
c. Is sludge disposal contracted? Name: <u>W.D. Farms</u>	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			

Comments:

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			

J. EFFLUENT/RECEIVING WATER OBSERVATIONS

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

Comments:

K. MULTIMEDIA OBSERVATIONS

Collection System	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: