



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director



11Y0002020100301

GREENE CENTRAL STATE UNIVERSITY WTP ZIMMERMAN, MICH 2010/03/01



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March 1, 2010

Mr. Eric L. Jones, Utilities Manager
Central State University
P.O. Box 1004
Wilberforce, Ohio 45384

**Re: Central State University Water Treatment Plant
NPDES Permit No. ILY00020*DD; OH0007951
NPDES Compliance Inspection and Notice of Violation**

Dear Mr. Jones:

On February 2, 2010 I conducted a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection at the above referenced facility. You and Robert Oatneal, water treatment plant operator, represented the University during the inspection. The purpose of the inspection was to evaluate the operation and performance of the water plant's wastewater treatment system and to determine compliance with the NPDES permit.

All compliance areas evaluated during the inspection were rated satisfactory except for 'Operation and Maintenance', which was rated marginal (refer to Section C of the report). The marginal rating was due to the condition of the red water filters. Dead weed growth and iron sludge in the west filter indicated the filters have not been cleaned and maintained on a regular basis.

Review of the Discharge Monitoring Reports submitted for the past two years (January, 2008 through December, 2009) revealed two final effluent limit violation occurrences, one for suspended iron (both daily and 30-day) and the other for pH (refer to Table 1 in the attached report). An email explaining the causes and corrective actions for the December, 2009, pH violation was received on January 11, 2010. However, we have no record of an email or letter of explanation for the June, 2009 suspended iron violations. During the inspection, you indicated that operator error and incorrect sampling may have resulted in the violation, as a new second shift operator, Doug Taylor, was hired in May, 2009. Please submit a written letter of explanation outlining the actions you have taken or are taking to correct any instances of non-compliance.

Eric L. Jones
March 1, 2010
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Overall, findings from this inspection indicate a significant improvement in NPDES permit compliance from the February, 2008 inspection. A copy of the inspection report is attached. If you have any questions, don't hesitate to contact me at (937) 285-6102.

Sincerely,



Michael W. Zimmerman
Permits Group
Division of Surface Water

copy: John W. Garland, President, Central State University
Dan Cloyd, Ohio EPA, Division of Drinking and Ground Water

Enclosure



State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
11Y00020*DD	OH0007951	2/2/2010	C	S	1

Section B: Facility Data			
Name and Location of Facility Inspected		Entry Time	Permit Effective Date
Central State University Water Treatment Plant 1400 Brush Row Road Wilberforce, Ohio 45384 Mailing: PO Box 1004 Wilberforce, OH 45384		12:10 pm	9/1/2006
		Exit Time	Permit Expiration Date
		1:15 pm	8/31/2011
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)	
Eric Jones, Utilities Manager Robert Oatneal, Operator		(937) 376-6622 (937) 376-6452 (plant)	
Name, Address and Title of Responsible Official		Phone Number	
Eric Jones, Utilities Manager		(937) 376-6622	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	S	Laboratory	N	Compliance Schedule
M	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	N	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
Refer to attached sheet.	
Inspector	Reviewer
<i>Michael W. Zimmermann</i> 2-26-10	<i>Martyn Burt</i> 3/1/2010
Michael W. Zimmermann Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Solids	Color	Other
001	None	None	None	None	None	None	-

Comments/Status:

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

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

- (1) What is the cause of the condition?
- (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/Status:

Summary of Findings:

Significant improvement has been made in the operation and maintenance of the wastewater treatment system since the last inspection in February, 2008. The sand in the two "red water" filters was replaced in the summer, 2008. A new filter backwash pump was also installed at that time. All areas evaluated during the inspection received satisfactory ratings with one exception. Operation and Maintenance was rated marginal due to the conditions of the red water filters. It appeared the filters had not been cleaned recently as evidenced by the layer of iron sludge on the surface of the sand and abundant weed growth in the west filter.

Review of the Discharge Monitoring Reports submitted for the past two years (January, 2008 through December, 2009) revealed two final effluent limit violation occurrences, one for suspended iron (both daily and 30-day) and the other for pH (refer to Table 1 below).

Table 1. Final Effluent Limit Violations
(Period of Review: January, 2008 – December, 2009)

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
Dec 2009	pH	1D Conc	9.0	9.4	12/21/2009
June 2009	Iron, Suspended (Fe)	1D Conc	2000	3280.	6/16/2009
June 2009	Iron, Suspended (Fe)	1D Conc	2000	4600.	6/28/2009
June 2009	Iron, Suspended (Fe)	30D Conc	1000	2663.66	6/1/2009

7D = Weekly 30D = Monthly 1D = Daily
Conc. = Concentration (mg/l) Qty. = Quantity (Kg/Day)

Also, measurement frequency violations were noted for March and June, 2008, with only one set of sampling results reported for the month, and November, 2009, with two sets of results reported, but both within the first two weeks of the month.

