



**Environmental  
Protection Agency**

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

May 3, 2012

Mike Henderson, Maintenance Supervisor  
South Central Power  
P.O. Box 250  
Lancaster, OH 43130

**Re: South Central Power  
NPDES Permit 4PX00014/ OH0106283  
Compliance Evaluation Inspection  
Fairfield County**

Dear Mr. Henderson:

On April 23, 2012, a Compliance Evaluation Inspection was conducted at the South Central Power facility wastewater treatment plant (WWTP). Present for the inspection were Jerry Smith of Buckeye Environmental Services, Craig Snider of South Central Power, and myself of the Ohio EPA, Central District Office, Division of Surface Water.

The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant. The following items were noted during the inspection:

- ❖ The operator logbook must be updated to include the hours spent at the WWTP for each time an operator is present. Currently, the operator indicates an arrival time but there is no departure time listed so there can be no calculation of the total time spent at the WWTP.
- ❖ One of the sand filters appears to be low on sand. The facility shall ensure that both sand filters have adequate amounts of sand to ensure proper functioning.
- ❖ Collection piping may be compromised leading to infiltration of stormwater into the system (see attached flow data table). This should be investigated and minimized to avoid negative consequences for the WWTP. The facility shall provide a brief report to Paul Vandermeer summarizing the investigation by October 31, 2012.
- ❖ The dosing pump flow rating should be verified on an annual basis since flow values are calculated based on pump operation. The facility shall perform this verification by May 31, 2012 and submit the information to Paul Vandermeer via e-mail.

Mike Henderson, Maintenance Supervisor  
South Central Power  
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If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3854 or e-mail at [paul.vandermeer@epa.ohio.gov](mailto:paul.vandermeer@epa.ohio.gov).

Sincerely

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

Paul L. Vandermeer  
Environmental Specialist  
Compliance and Enforcement Unit  
Division of Surface Water  
Central District Office

ec: Paul L. Vandermeer

PLV/nsm South Central Power

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PA00014	OH0106283	CEI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
4/23/2012	9:20 AM	10:10 AM	No	No

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
South Central Power 2780 Coonpath Road Lancaster, OH 43130	1/1/2010
	Permit Expiration Date
	12/31/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Craig Snider, Fleet Services Supervisor	(740) 689-6230
Name and Title of Responsible Official	Phone Number
Mike Henderson, Maintenance Supervisor	(740) 653-4422

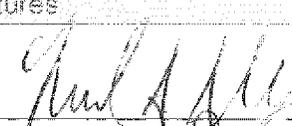
SECTION C: AREAS EVALUATED DURING INSPECTION

Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated

M	NPDES Compliance	Violations of permit limits were adequately addressed.
S	Operations & Maintenance	
S	Facility Site Review	
M	Collection System	Flows appear to increase during rain events. This infiltration should be investigated.
S	Flow Measurement	Dosing pump timer. Pump output should be rechecked annually to ensure accuracy.
S	Receiving Waters	
N	Laboratory	Samples sent to TCCI for testing, except temperature and dissolved oxygen.

Comments:

Signatures

	4/30/12		4/30/12
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Mike Gallaway, Reviewer Section Manager Division of Surface Water Central District Office	Date

## Compliance Data for South Central Power between 4/1/2009 to 4/1/2012

### Summary

Permit Effluent Limit Violations: 10

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: 0

Compliance Schedule Violations: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2009	001	Fecal Coliform	30D Conc	1000	2500.	8/1/2009
August 2009	001	Fecal Coliform	7D Conc	2000	2500.	8/15/2009
August 2010	001	Dissolved Oxygen	1D Conc	6.0	3.7	8/10/2010
June 2011	001	Fecal Coliform	30D Conc	1000	1830.	6/1/2011
June 2011	001	Dissolved Oxygen	1D Conc	6.0	5.7	6/7/2011
August 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.36	8/1/2011
March 2012	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	12.6	3/1/2012
March 2012	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	12.6	3/1/2012
March 2012	001	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.05833	3/1/2012
March 2012	001	Dissolved Oxygen	1D Conc	6.0	5.2	3/1/2012

**Flow Data for South Central Power between 4/1/2009 and 4/1/2012**

	Date	Flows (GPD)
Ten Highest Flows	1/1/2011	3889
	1/2/2011	3889
	1/3/2011	3889
	6/4/2010	3804
	6/5/2010	3804
	6/6/2010	3804
	6/7/2010	3804
	6/8/2010	3804
	6/9/2010	3804
	6/10/2010	3804
<b>Average Flow Rate</b>		1054

**SECTION D: PERMIT VERIFICATION**

- (a) Correct name and mailing address of permittee ..... Y
- (b) Correct name and location of receiving waters ..... Y
- (c) Products and production rates conform with permit application ..... NA
- (d) Flows and loadings conform with NPDES permit ..... Y
- (e) Treatment processes are as described in permit application ..... Y
- (f) New treatment process added since last inspection ..... N
- (g) Notification given to State of new, different or increased discharges ..... NA
- (h) All discharges are permitted ..... Y
- (i) Number and location of discharge points are as described in permit ..... Y

Comments:

**SECTION E: COMPLIANCE**

- (a) Any significant violations since the last inspection ..... Y
- (b) Permittee is taking actions to resolve violations ..... Y
- (c) Permittee has a compliance schedule ..... NA
- (d) Permittee is meeting compliance schedule ..... NA

Comments: March 2012 violations were due to ponding in the sand filter. This was addressed by the facility in a timely way and violations ceased. In the last 3 years, the facility has only experienced 10 permit limit violations (see attached table).

**SECTION F. OPERATION AND MAINTENANCE**

- (a) Standby power available ..... Y  
If yes, what type? *Diesel generator*
- (b) Adequate alarm system available for power or equipment failures ..... Y
- (c) All treatment units in service other than backup units ..... Y
- (d) Wastewater Treatment Works classification ..... A
- (e) Operator of Record holds unexpired license of class required by Permit ..... Y  
Class held: A
- (f) Copy of certificate of Operator of Record displayed on-site ..... N\*
- (g) Minimum operator staffing requirements fulfilled ..... N\*\*
- (h) Routine and preventative maintenance scheduled and performed ..... Y#
- (i) Any major equipment breakdown since last inspection ..... N
- (j) Operation and maintenance manual provided and maintained ..... NE#
- (k) Any plant bypasses since last inspection ..... N
- (l) Regulatory agency notified of bypasses ..... NA  
By MOR  and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic or organic overloads since last inspection ..... Y@

Comments: \*There is no place to display the certificate at the WWTP. Operator will display certificate in the office where he works. \*\*Unable to verify with current logbook entries. #Maintenance contract with E.C. Babbert. @See comments in Section H below.

**SECTION G: RECORD KEEPING**

- a) Log book provided ..... Y
- b) Format of log book ..... *bound book*
- c) Log book(s) kept onsite in an area protected from weather ..... Y
- d) Log book contains the following:
  - i) Identification of treatment works ..... Y
  - ii) Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7 ..... Y\*
  - iii) Daily record of operation and maintenance activities (including preventative maintenance, repairs and request for repairs) ..... Y
  - iv) Laboratory results (unless documented on bench sheets) ..... N\*
  - v) Identification of person making log entries ..... Y
- e) Has the Operator of Record submitted written notification to the permittee, Ohio EPA and any applicable local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred? ... NA

Comments: \*The operator of record has not listed a departure time. This must be included for each visit from now on. Also, both temperature and dissolved oxygen results and calibration information must be listed if these parameters are analyzed by

the operator of record. The logbook does contain the evaluations for color, odor, and turbidity as required.

**SECTION H: COLLECTION SYSTEM**

- a) Percent combined system:..... 0%
- b) Any collection system overflows since last inspection ..... N  
     CSO    SSO
- c) Regulatory agency notified of overflows ..... NA
- d) CSO O&M plan provided and implemented ..... NA
- e) CSOs monitored and reported in accordance with permit..... NA
- f) Portable pumps are used to relieve system..... NA
- g) Lift station alarms provided and maintained..... NA
- h) Lift stations equipped with permanent standby power or equivalent..... NA
- i) Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection. .... Y\*
- j) Any complaints received since last inspection of basement flooding ..... NA
- k) Are any portions of the sewer system at or near capacity..... NA
- l) Are operations changed during high-flow events? ..... NA

Comments: \*Stormwater may be entering the collection system via infiltration. Also, overflow from the truck wash storage tanks may be entering the WWTP. Normally, these wash water storage tanks are pumped out by a disposal contractor. These issues may potentially impact treatment at the WWTP. This should be investigated by the facility and measures taken to minimize flow of stormwater and any negative consequences from the wash water overflow to the WWTP.

**SECTION I: SLUDGE MANAGEMENT**

- a) Sludge adequately disposed..... Y  
     Method: *hailed to municipal WWTP*
- b) If sludge is incinerated, where is ash disposed of..... NA
- c) Is sludge disposal contracted..... Y  
     Name: *E.C. Babbert*
- d) Has amount of sludge generated changed significantly..... N
- e) Adequate sludge storage provided at plant..... NA
- f) Records kept in accordance with State and Federal law ..... Y
- g) Any complaints received last year regarding sludge ..... NA
- h) Is sludge adequately processed (digestion, pathogen control) ..... NA

Comments: No sludge has been disposed in the last year.

**SECTION J: SELF-MONITORING PROGRAM**

- a) Primary flow measuring device operated and maintained..... Y  
     Type of device: *Dosing pump timer* Device location: *Dosing tank*
- b) Calibration frequency adequate ..... N\*  
     Date of last calibration: *Unknown*
- c) Secondary instruments operated and maintained..... NA
- d) Flow measurements equipment adequate to handle full range of flows... Y
- e) Actual flow discharged is measured..... Y
- f) Flow measuring equipment inspection frequency *weekly*
- g) Sampling location(s) are as specified by permit..... Y
- h) Parameters and sampling frequency agree with permit..... Y
- i) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e. continuous monitoring instrumentation, calibration and maintenance records)..... Y

Comments: \*Annual calibration of the dosing pump should be performed to ensure the accuracy of flow readings.

**SECTION K: Laboratory**

- a) EPA applicable analytical testing procedures used (40 CFR 136.3) ..... Y
- b) If alternate procedures are used, are they properly approved? ..... NA
- c) Analysis performed more frequently ..... NA  
     If yes, are results recorded in permittee's report? ..... NA
- d) Commercial laboratory used:  
     Name: *TCCI*  
     Parameters analyzed: *all, except dissolved oxygen and temperature*
- e) Quality assurance manual provided and maintained ..... NA
- f) Calibration and maintenance of instruments is satisfactory? ..... Y
- g) Results of last U.S. EPA quality assurance ..... NA  
     Date:

Comments:

**SECTION L: EFFLUENT/RECEIVING WATER OBSERVATIONS**

Outfall Number	Outfall sign in place	Oil Sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	Yes	None	None	None	None	None	Clear	

Comments:

**SECTION III: 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: