



**Environmental  
Protection Agency**

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



\*1PB0000620080826\*

GREENE

CEDARVILLE WWTP

ZIMMERMAN, MICH | 2008/08/26



State of Ohio Environmental Protection Agency

**Southwest District Office**

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Dayton, Ohio 45402

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

August 25, 2008

Ronald S. Volkerding, P.E.  
Greene County Sanitary Engineering Department  
667 Dayton-Xenia Road  
Xenia, Ohio 45385

**Re: Greene County Cedarville Water Resource Reclamation Facility  
NPDES Permit No. 1PB00006\*CD; OH0020010  
NPDES Compliance Inspection and Notice of Violation**

Dear Mr. Volkerding:

On July 24, 2008, Laura Pohlman and I conducted a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection at the above referenced facility. Barry Stroop, property manager, accompanied me during the inspection. The purpose of the inspection was to evaluate the operation and performance of the wastewater treatment system and to determine compliance with the NPDES permit.

As indicated on the attached NPDES Compliance Inspection Report, all areas evaluated during the inspection received satisfactory ratings. Our review of the monthly electronic Discharge Monitoring Reports from August, 2007 to July, 2008 identified one final effluent numeric limitation violations for CBOD<sub>5</sub> in March, 2008. A 7-Day value of 48.8 kg/day was reported; the permit limit is 31.8 kg/day. We have no record of this violation being reported to Ohio EPA. A report summarizing the cause of the violation and steps taken to prevent a recurrence must be submitted to this office by September 26, 2008. Finally, a copy of the operator's certificate must be displayed for public examination in the office at the plant (per OAC 3745-7-05-C).

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: Barry Stroop / Eric Wilson, Greene County Sanitary Engineering Department



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
1PB00006*CD	OH0020010	07/24/2008	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Greene County Cedarville WRRF 152 West Cedar Street Cedarville, Ohio Mailing: Greene Co. SED; 667 Dayton-Xenia Rd 45385	1:00pm	4/1/2004
	Exit Time	Permit Expiration Date
	2:20 pm	6/30/2008
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Barry Stroop, Operations Supervisor Eric Wilson, Class III Operator	(937) 562-7171 (937) 766-4794	
Name, Address and Title of Responsible Official	Phone Number	
Ronald Volkerding, PE, Deputy Director	(937) 562-7414	

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	N	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	S	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
Refer to attached report.	
Inspector	Reviewer
 Michael W. Zimmerman Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
8-22-08 Date	8/25/08 Date

Permit #: 1PB00006\*CD  
NPDES #: OH0020010

Sections E thru K: Complete on all inspections as appropriate  
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

**Section E: Permit Verification**

Inspection observations verify the permit

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

**Comments/Status:**

*(f) the new WWTP went on-line in May 2004*

**Section E: Permit Verification**

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

**Comments/Status:**

*Since July, 2007, there has been one final effluent limit violation for Outfall 001. A 7-day loading violation for CBOD5 occurred in March, 2008. The reported value was 48.8, the permit limit is 31.8 kg/day.*

**Section G: Operation & Maintenance**

**Treatment Works:**

Treatment facility properly operated and maintained

- (a) Standby power available.....generator  or dual feed ..... Y
- (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 (OAC 3745-7)..... II
- (e) Operator of Record holds unexpired license of class required by permit..... Y  
 Class: III
- (f) Copy of certificate of Operator of Record displayed on-site.... N
- (g) Minimum operator staffing requirements fulfilled (OAC 3745-7)... Y
- (h) Routine and preventative maintenance scheduled/performed... Y
- (i) Any major equipment breakdown since last inspection..... Y
- (j) Operation and maintenance manual provided and maintained..... Y
- (k) Any plant bypasses since last inspection..... N
- (l) Regulatory agency notified of bypasses..... N/A  
 On MORs  and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection..... N

**Record Keeping:**

- (a) Log book provided..... Y
- (b) Format of log book (i.e. computer log, hard bound book)  

<i>Three-ring binder kept in the lab.            Operator certification not displayed.</i>
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- (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)... Y
  - V. Identification of person making log entries..... Y
- (d) Has the operator of record submitted written notification to the permittee, Ohio EPA and (if applicable) any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred..... Y

**Section G: Operation & Maintenance (con't)**

**Collection System:**

- (a) Percent combined system: 0%
- (b) Any collection system overflows since last inspection..... Y  
(CSO  and/or SSO )
- (c) Regulatory agency notified of overflows (SSOs)..... Y
- (d) CSO O&M plan provided and implemented..... N/A
- (e) CSOs monitored and reported in accordance with permit..... N/A
- (f) Portable pumps used to relieve system..... Y
- (g) Lift station alarms provided and maintained..... Y
- (h) Are lift stations equipped with permanent standby power  
or equivalent..... Y
- (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 N
- (k) Are any portions of the sewer system at or near capacity..... N

**Comments/Status:**

**Treatment Works:**

- one of two oxidation ditches on line (second one not needed)
- bar screen compactor breakdown
- both secondary clarifiers were on line, effluent was relatively clear, weirs clean; brushes on traveling arm

**Collection System:**

- two main lift (pumping) stations in system; three small ones which include 1) SR 42 lift station, 2) American Legion lift station, and 3) East St. lift station
- no SSOs or basement flooding complaints in 2007 or 2008
- improvements to collection system occurred in 2007 to reduce I/I: rehabbed 15 manholes; repaired 16 sewer lines
- Marcus Lehotay, collection system supervisor (937) 562-7111

**Section H: Sludge Management**

- (a) Sludge management plan (SMP)  
Submitted date: 9/18/2002 Approval #: 05-420-PW Not submitted  N/A
- (b) Sludge management plan current..... N
- (c) Sludge adequately disposed..... Y  
(Method: landfill )
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... Y  
(Name: Hiney Trucking )
- (f) Has amount of sludge generated changed significantly since  
last inspection..... N
- (g) Adequate sludge storage provided at plant..... Y
- (h) Land application sites monitored and inspected per SMP..... N/A
- (i) Records kept in accordance with State and Federal law..... Y
- (j) Any complaints received in last year regarding sludge..... N
- (k) Is sludge adequately processed (digestion, pathogen control)..... Y

**Comments/Status:**

Sludge is hauled to and dewatered at the Greene Co. Beaver Creek WRRF. Greene County contracts with Hiney Trucking to transport the dewatered sludge to the Cherokee Run landfill for final disposal. The sludge management plan needs to be updated to reflect current sludge disposal practices.

**Section I: Self-Monitoring Program**

**Flow Measurement:**

- (a) Primary flow measuring device operated and maintained..... Y  
Type of device: Ultrasonic & Parshall flume  Ultrasonic & Weir  Weir   
Calculated from influent  Other  (Specify: )
- (b) Calibration frequency adequate ..... Y  
(Date of last calibration: April, 2008)
- (c) Secondary instruments operated and maintained..... Y
- (d) Flow measurement equipment adequate to handle full range  
of flows..... Y
- (e) Actual flow discharged is measured..... Y
- (f) Flow measuring equipment inspection frequency  
 Daily  Weekly  monthly  other

**Comments/Status:**

**Section I: Self-Monitoring Program (con't)**

**Sampling:**

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
- (d) Sample collection procedures are adequate..... Y
  - (i) Samples refrigerated during compositing..... Y
  - (ii) Proper preservation techniques used..... Y
  - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3..... Y
- (e) 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
- (f) Adequate records maintained of sampling date, time, location, etc.. Y

**Laboratory:**

*General*

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
- (b) If alternate analytical procedures are used, proper approval has been obtained..... N/A
- (c) Analyses being performed more frequently than required by permit. N
- (d) If (c) is yes, are results in permittee's self-monitoring report..... Y
- (e) Commercial laboratory used..... N  
Parameters analyzed by commercial lab: *None*

Lab name:

*Quality Control/Quality Assurance*

- (f) Quality assurance manual provided and maintained..... Y
  - (g) Satisfactory calibration and maintenance of instruments/equipment. Y
  - (h) Adequate records maintained..... Y
  - (i) Results of latest USEPA quality assurance performance sampling program:  Satisfactory  Marginal  Unsatisfactory
- Date:

**Comments/Status:**

**Section J: Effluent/Receiving Water Observations**

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	None	None	Clear	Slight -dissipates quickly	None	Clear	--

**Comments/Status:**

*Final effluent discharges from a pipe on the right side of the Massie Creek gorge. Concrete steps down the side of the gorge allow access to the stream bed. The plant outfall is located approximately 50 yds upstream from this point. The stream water was clear; no evidence of any sludge deposits in the stream. The gorge is beautiful in this area.*

**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:**