



State of Ohio Environmental Protection Agency

Southwest District Office

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

March 10, 2008

City of Xenia
Attn: Mr. Jim Percival
101 North Detroit Street
Xenia, OH 45385

Correspond

RE: **Xenia Glady Run WWTW/Compliance Evaluation Inspection Report**
NPDES Permit No. OH0028207 / OEPA PERMIT NO. 1PD00016*KD

Dear Mr. Percival:

On February 29, 2008, I conducted an NPDES Compliance Evaluation Inspection at the City of Xenia Glady Run wastewater treatment works (WWTW). Messrs. Jason Tincu, Eddie Walker and Brad Ault were present during the inspection. The purpose of the inspection was to evaluate compliance with the terms and conditions of the NPDES Permit.

A copy of the inspection report is enclosed. As indicated in the report, all evaluated sections received "Satisfactory" ratings.

Thank you and your staff for the time extended during the inspection process. If you have any questions, please feel free to contact me by phone at (937) 285-6029 or by e-mail at joshua.jackson@epa.state.oh.us.

Respectfully,


Joshua Jackson
Environmental Specialist II
Division of Surface Water

Cc: Jason Tincu, City of Xenia

Enclosures



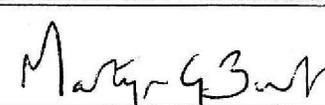
State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PD00016*KD	OH0028207	2/29/2008	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected City of Xenia Gladly Run WWTW 2381 Bellbrook Avenue Xenia, Greene County	Entry Time	Permit Effective Date
	9:00 a.m.	5/1/2003
	Exit Time	Permit Expiration Date
	11:00 a.m.	1/31/2008
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Jason Tincu, Operator of Record Brad Ault, Lead Operator		937-376-7271 937-376-7270
Name, Address and Title of Responsible Official		Phone Number
City of Xenia Attn: Mr. Jim Percival (City Manager) 101 North Detroit Street Xenia, OH 45385		937-376-7231

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	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Report.	
Inspector	Reviewer
 Joshua Jackson Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
3-10-08 Date	3/10/08 Date

Permit # : 1PD00016*KD
NPDES #: OH0028207

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)..... Y
- (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..... Y
- (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:

New preliminary, mechanical fine screens were added in 2006.

Section E: Permit Verification

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

Comments/Status:

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)..... III
- (e) Operator of Record holds unexpired license of class required by permit..... Y
 Class: IV
- (f) Copy of certificate of Operator of Record displayed on-site..... Y
- (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..... N
- (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/A

Record Keeping:

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

Hard 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)... Y
 - V. Identification of person making log entries..... N
- (e) 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: %
- (b) Any collection system overflows since last inspection..... N/E
(CSO and/or SSO)
- (c) Regulatory agency notified of overflows (SSOs)..... N/E
- (d) CSO O&M plan provided and implemented..... N/E
- (e) CSOs monitored and reported in accordance with permit..... N/E
- (f) Portable pumps used to relieve system..... N/E
- (g) Lift station alarms provided and maintained..... N/E
- (h) Are lift stations equipped with permanent standby power
or equivalent..... N/E
- (i) Is there an inflow/infiltration problem (separate sewer system),
or were there any major repairs to collection system since
last inspection..... N/E
- (j) Any complaints received since last inspection of basement flooding N/E
- (k) Are any portions of the sewer system at or near capacity..... N/E

Comments/Status:

Operations staff will begin to initial entries made to the log book.
Operator of Record and Lead Operator will begin to document arrival and departure times in the log book.

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... N/A
- (c) Sludge adequately disposed..... Y
(Method:hauling to another NPDES permitted facility)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... N
(Name:)
- (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/E
- (k) Is sludge adequately processed (digestion, pathogen control)..... Y

Comments/Status:

Sludge is thickened to approximately 1.5 - 2.5% before hauling to the Xenia Ford Road WWTW for further dewatering and then disposal.

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:Magmeter)
- (b) Calibration frequency adequate Y
(Date of last calibration: 7/1/2007)
- (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).. N/E
- (b) If alternate analytical procedures are used, proper approval has been obtained..... N/E
- (c) Analyses being performed more frequently than required by permit. N/E
- (d) If (c) is yes, are results in permittee's self-monitoring report..... N/E
- (e) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: See below

Lab name:

Quality Control/Quality Assurance

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

Comments/Status:

Xenia Glady Run – Analyzes for pH, DO, Temperature
Xenia Ford Road – Analyzes for TSS, CBOD5, NH3, phosphorus, bacteria
Belmont Labs- Analyzes for metals, nitrate + nitrite, TKN
Jones & Henry Labs – Analyzes for low lever mercury

Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	none	none	very low	mild	none	clear	

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:

Inspection Findings

The City of Xenia (Glady Run) Wastewater Treatment Works (WWTW) is designed for an average daily flow of 4.0 Million Gallons/Day (MGD). A review of the Discharge Monitoring Reports (DMRs) for January 2007 through January 2008 shows an average daily discharge flow of 2.15 MGD. During this same period of time, WWTW staff report one numeric violation; shown below:

EFFLUENT LIMIT VIOLATIONS (Period of Review: January 2007 – January 2008)

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

Reporting Period	Parameter	Limit Type	Limit	Reported Value
July 2007	Mercury, Total (Low Le	30D Conc	7.0	8.2

- The City of Xenia was given a 3-year compliance schedule, within the current National Pollutant Discharge Elimination System permit for the Glady Run WWTW, to meet a Total Phosphorus 30-day discharge limit of 1.0 mg/l (summer). Since January of 2007, the City has reported values that have a summer 50th percentile of 0.28 mg/l and a 75th percentile of 0.39 mg/l. Phosphorus is removed biologically from the Glady Run WWTW influent.