



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

Re: Putnam County
Ottoville WWTP
NPDES Permit

November 3, 2009

Steve Wittler
Utilities Department
P.O. Box 488
Ottoville, Ohio 45876

Dear Mr. Wittler:

On October 22, 2009 I conducted a compliance evaluation inspection at the Village of Ottoville wastewater treatment facilities. You were present and provided information concerning the operation and maintenance of the treatment facilities.

At the time of inspection, all treatment units required for service were in operation and the discharge from the WWTP was clear, colorless, and had no noticeable odor.

A review of the Discharge Monitoring Reports (DMRs) for October 1, 2008 to October 1, 2009 shows that there have been numerous permit limit violations. I have enclosed the violations for your review.

It is also noted that the facility experienced several bypasses at the EQ basins in February and March of 2009. The facility experiences very high clean water inflow and infiltration (I&I) during high rainfall events. The Village should look at developing a program to eliminate the sources of the I&I to prevent bypasses from occurring.

The completed inspection report is enclosed. If there are any questions please contact me at (419) 373- 3053. Please direct any sludge specific questions to Mr. Andrew Gall at (419) 373-3003.

Sincerely,

Ryan Gierhart
Division of Surface Water
/csl
Enclosure

Pc w/encl: DSW, NWDO File





State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

| Section A: National Data System Coding | | | | | |
|--|-----------|----------------|-----------------|-----------|---------------|
| Permit # | NPDES# | Month/Day/Year | Inspection Type | Inspector | Facility Type |
| 2PA00002 | OH0021709 | 10/22/2009 | C | S | 1 |

| Section B: Facility Data | | |
|--|-----------------|------------------------|
| Name and Location of Facility Inspected | Entry Time | Permit Effective Date |
| Ottoville WWTP 200 Utility Drive, Ottoville, Ohio | 2:00 | 11/1/2006 |
| | Exit Time | Permit Expiration Date |
| | 4:00 | 10/31/2011 |
| Name(s) and Title(s) of On-Site Representatives | Phone Number(s) | |
| Steve Wittler, Utilities Director | 419-453-3147 | |
| Name, Address and Title of Responsible Official | Phone Number | |
| Village of Ottoville 150 Park Drive Ottoville OH 45876 | 419-453-3147 | |

| Section C: Areas Evaluated During Inspection | | | | | |
|---|--------------------------|---|---------------------------|---|-------------------------|
| (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated) | | | | | |
| S | Permit | S | Flow Measurement | S | Pretreatment |
| S | Records/Reports | S | 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 |
| S | Collection System | | | | |

| Section D: Summary of Findings (Attach additional sheets if necessary) | |
|--|--|
| | |

| Inspector | Reviewer |
|--|---|
| Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office | Elizabeth A. Wick, P.E. Water Quality Engineer Division of Surface Water Northwest District Office |
| 10-2-09 Date | 11/2/09 Date |

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:

Section F: Compliance Schedules/Violations

- (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..... N/A
- (d) Compliance schedule contained in NPDES Permit
- (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)..... II
- (e) Operator of Record holds unexpired license of class required by permit..... Y
 Class: II
- (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..... Y
- (j) Operation and maintenance manual provided and maintained..... Y
- (k) Any plant bypasses since last inspection..... Y
- (l) Regulatory agency notified of bypasses..... Y
 On MORs and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection..... Y

Record Keeping:

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

| |
|--|
| Time at plant kept track with time cards. Daily maintenance kept on desktop calendar. |
|--|
- (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: %
- (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..... N
- (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:

The SSO identified is actually a plant bypass that occurs at the EQ Basin diversion structure. The plant has a major problem with Inflow and Infiltration (I&I) and steps need to be taken to reduce the amount of I&I coming into the plant.

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: _____ Approval #: _____ Not submitted N/A
- (b) Sludge management plan current..... N
- (c) Sludge adequately disposed..... N/E
(Method: _____)
- (d) If sludge is incinerated, where is ash disposed of _____
- (e) Is sludge disposal contracted..... N/E
(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/E
- (i) Records kept in accordance with State and Federal law..... N/E
- (j) Any complaints received in last year regarding sludge..... N
- (k) Is sludge adequately processed (digestion, pathogen control)..... Y

Comments/Status:

Sludge has not been disposed of for the last 3 years. It appears that the facility needs to update its sludge management plan.

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: Mag Meter)
- (b) Calibration frequency adequate Y
(Date of last calibration: _____)
- (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:

Review the maintenance manual for the Mag Meters for calibration requirements.

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..... Y
- (c) Analyses being performed more frequently than required by permit. N
- (d) If (c) is yes, are results in permittee's self-monitoring report..... N/A
- (e) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Metals, Oil/grease, Phosphorus,

Mercury

Lab name: Alloway

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 | None | None | 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..... Y
- (b) Do you notice staining or discoloration of soils, pavement or floors.. Y
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. Y
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... Y
- (e) Do you notice any unusual odors or strong chemical smells..... Y
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... Y

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:

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

Form Approved
OMB No.

158-R0035

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

| CONDITION OR APPEARANCE | | RATING | COMMENTS |
|----------------------------------|-----------------------------------|--------------------------------------|---|
| General | Grounds | S | |
| | Buildings | S | |
| | Potable Water Supply Protection | S | |
| | Safety Features | S | |
| | Bypasses | OUT | |
| | Stormwater Overflows | | |
| | Alternate Power Source | | Generator |
| Preliminary | Maintenance of Collection Systems | | |
| | Pump Station | IN | 3, new telemetered system for raw influent, visual for collection |
| | Ventilation | S | |
| | Bar Screen | OUT | 2 |
| | Disposal of Screenings | | |
| | Comminutor | IN | 1-muffin monster |
| | Grit Chamber | IN | 2 chambers 1 in |
| | Disposal of Grit | S | Landfill |
| | Equalization Basin | IN | 2 |
| Primary | Settling Tanks | | |
| | Scum Removal | | |
| | Sludge Removal | | |
| | Effluent | | |
| | | | |
| Sludge Disposal | Digesters | IN | 2 aerated digestors |
| | Temperature and pH | | |
| | Gas Production | | |
| | Heating Equipment | | |
| | Sludge Pumps | IN | 2 RAS |
| | Drying Beds | | |
| | Vacuum Filter | | |
| | Disposal of Sludge | S | Land Application |
| Sludge Storage | IN | Transfer sludge into larger digester | |
| Other | Flow Meter and Recorder | IN | Mag Meter |
| | Records | S | |
| | Lab Controls | S | |
| | Chemical Treatment | | |
| Secondary-Tertiary List items as | Aeration Tanks | IN | 2, medium brown color |
| | Aerators | IN | 2, fine air bubblers |
| | Final Clarifiers | IN | 1, some scum floating return sludge/skimmer operating |
| | | | |
| Disinfection | Effluent | S | clear |
| | Disinfection System | IN | Ultra Violet |
| | Effective Dosage | | |
| | Contact Time | | |
| | Contact Tank | | |
| | Dechlorination | | |

Get New Data

| Permit No. | Reporting Period | Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|-------------|------------------|---------|----------------|------------------------|------------|-------|----------------|----------------|
| 2PA00002*HD | November 2008 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 10.25 | 11/1/2008 |
| 2PA00002*HD | December 2008 | 001 | 00530 | Total Suspended Solids | 30D Conc | 12 | 14.4 | 12/1/2008 |
| 2PA00002*HD | December 2008 | 001 | 00530 | Total Suspended Solids | 30D Qty | 15.42 | 16.9185 | 12/1/2008 |
| 2PA00002*HD | December 2008 | 001 | 00530 | Total Suspended Solids | 7D Conc | 18 | 27. | 12/22/2008 |
| 2PA00002*HD | December 2008 | 001 | 00530 | Total Suspended Solids | 7D Qty | 23.13 | 46.8469 | 12/22/2008 |
| 2PA00002*HD | January 2009 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 10.375 | 1/1/2009 |
| 2PA00002*HD | February 2009 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 14.25 | 2/1/2009 |
| 2PA00002*HD | February 2009 | 001 | 80082 | CBOD 5 day | 7D Conc | 15 | 16.5 | 2/1/2009 |
| 2PA00002*HD | February 2009 | 001 | 80082 | CBOD 5 day | 7D Conc | 15 | 15.5 | 2/22/2009 |
| 2PA00002*HD | March 2009 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 12. | 3/1/2009 |
| 2PA00002*HD | March 2009 | 001 | 80082 | CBOD 5 day | 7D Conc | 15 | 16. | 3/1/2009 |
| 2PA00002*HD | April 2009 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 12.5 | 4/1/2009 |
| 2PA00002*HD | May 2009 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 11.5 | 5/1/2009 |
| 2PA00002*HD | June 2009 | 001 | 80082 | CBOD 5 day | 30D Conc | 10 | 11.625 | 6/1/2009 |
| 2PA00002*HD | June 2009 | 001 | 80082 | CBOD 5 day | 7D Conc | 15 | 15.5 | 6/8/2009 |