



Environmental
Protection Agency

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

Re: Notice of Violation
Fulton County
Village of Swanton
NPDES Permit

May 17, 2011

Mr. Chris Witt
WWTP Superintendent
Village of Swanton
219 Chestnut Street
Swanton, Ohio 43558

Dear Mr. Witt:

On April 27, 2011, a compliance inspection of the Swanton Wastewater Treatment Plant (WWTP) was conducted. You were present and provided information concerning the operation and maintenance of the treatment facilities.

At the time of inspection, all required treatment processes and associated equipment were in operation and the discharge to Al Creek was clear, colorless, and had no noticeable odor. The new oxidation ditch and secondary clarifier construction has been completed and is in operation. The equalization basin was bypassing the treatment plant and actively discharging during the inspection.

A review of the discharge monitoring reports (DMRs) for April 2010 to April 2011 shows that there have been numerous effluent limit violations. The specific instances of non-compliance are attached on a separate sheet.

We have received the Village's letters regarding the above noted violations and no response is needed at this time. It is noted that the recent high flow levels to the plant are believed to be the cause of the violations in March.

The completed inspection report is enclosed. If there are any questions please contact me at (419) 373-3053.

Sincerely,

Ryan Gierhart
Division of Surface Water

/cs

Enclosure

pc w/enclosure: Mayor and Council
NWDO - DSW File

Get New Data

| Permit No | Reporting Period | Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|-------------|------------------|---------|----------------|------------------------|------------|-------|----------------|----------------|
| 2PB00025*ID | April 2010 | 001 | 00530 | Total Suspended Solids | 30D Conc | 12.0 | 13.875 | 4/1/2010 |
| 2PB00025*ID | April 2010 | 001 | 00530 | Total Suspended Solids | 30D Qty | 42.0 | 68.4138 | 4/1/2010 |
| 2PB00025*ID | April 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 67.6360 | 4/1/2010 |
| 2PB00025*ID | April 2010 | 001 | 80082 | CBOD 5 day | 30D Qty | 35.0 | 46.6479 | 4/1/2010 |
| 2PB00025*ID | April 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 77.9918 | 4/8/2010 |
| 2PB00025*ID | April 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 88.8434 | 4/22/2010 |
| 2PB00025*ID | May 2010 | 001 | 00530 | Total Suspended Solids | 30D Conc | 12.0 | 12.375 | 5/1/2010 |
| 2PB00025*ID | May 2010 | 001 | 00530 | Total Suspended Solids | 30D Qty | 42.0 | 67.7273 | 5/1/2010 |
| 2PB00025*ID | May 2010 | 002 | 31616 | Fecal Coliform | 30D Conc | 1000 | 10000. | 5/1/2010 |
| 2PB00025*ID | May 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 77.5035 | 5/8/2010 |
| 2PB00025*ID | May 2010 | 002 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 5/8/2010 |
| 2PB00025*ID | May 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 90.7908 | 5/15/2010 |
| 2PB00025*ID | May 2010 | 002 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 5/22/2010 |
| 2PB00025*ID | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Qty | 7.0 | 7.89676 | 6/1/2010 |
| 2PB00025*ID | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 10.8049 | 6/1/2010 |
| 2PB00025*ID | June 2010 | 002 | 31616 | Fecal Coliform | 30D Conc | 1000 | 10000. | 6/1/2010 |
| 2PB00025*ID | June 2010 | 002 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 6/8/2010 |
| 2PB00025*ID | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 11.4491 | 6/22/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Conc | 2.0 | 4.8275 | 7/1/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 5.915 | 7/1/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Qty | 7.0 | 13.8381 | 7/1/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 15.6520 | 7/1/2010 |
| 2PB00025*ID | July 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 64.8294 | 7/8/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 4.52 | 7/8/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 14.6419 | 7/8/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 6.675 | 7/15/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 12.4367 | 7/15/2010 |
| 2PB00025*ID | July 2010 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 77.4051 | 7/22/2010 |
| 2PB00025*ID | July 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 12.6218 | 7/22/2010 |
| 2PB00025*ID | July 2010 | 001 | 80082 | CBOD 5 day | 7D Qty | 53.0 | 57.5552 | 7/22/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Conc | 2.0 | 4.12875 | 8/1/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 3.425 | 8/1/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Qty | 7.0 | 13.4477 | 8/1/2010 |

| | | | | | | | | |
|-------------|----------------|-----|-------|------------------------|----------|-------|---------|------------|
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 13.0755 | 8/1/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 4.09 | 8/8/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 16.5007 | 8/8/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 3.79 | 8/15/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 5.21 | 8/22/2010 |
| 2PB00025*ID | August 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 14.3355 | 8/22/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Conc | 2.0 | 8.48125 | 9/1/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 9.685 | 9/1/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Qty | 7.0 | 19.7787 | 9/1/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 21.0819 | 9/1/2010 |
| 2PB00025*ID | September 2010 | 001 | 80082 | CBOD 5 day | 30D Conc | 10.0 | 11.3625 | 9/1/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 8.685 | 9/8/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 17.0405 | 9/8/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 8.28 | 9/15/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 24.0891 | 9/15/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 7.275 | 9/22/2010 |
| 2PB00025*ID | September 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 16.9035 | 9/22/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Conc | 2.0 | 10.2512 | 10/1/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 10.605 | 10/1/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 30D Qty | 7.0 | 18.5765 | 10/1/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 20.0842 | 10/1/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 14.85 | 10/8/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 28.1291 | 10/8/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 10.4 | 10/15/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Qty | 10.5 | 18.8623 | 10/15/2010 |
| 2PB00025*ID | October 2010 | 001 | 50060 | Chlorine, Total Residu | 1D Conc | 0.019 | .05 | 10/21/2010 |
| 2PB00025*ID | October 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3 | 7D Conc | 3.0 | 5.15 | 10/22/2010 |
| 2PB00025*ID | March 2011 | 001 | 00530 | Total Suspended Solids | 30D Conc | 12.0 | 14.375 | 3/1/2011 |
| 2PB00025*ID | March 2011 | 001 | 00530 | Total Suspended Solids | 7D Conc | 18.0 | 21. | 3/1/2011 |
| 2PB00025*ID | March 2011 | 001 | 00530 | Total Suspended Solids | 30D Qty | 42.0 | 110.422 | 3/1/2011 |
| 2PB00025*ID | March 2011 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 181.808 | 3/1/2011 |
| 2PB00025*ID | March 2011 | 001 | 80082 | CBOD 5 day | 30D Qty | 35.0 | 66.2877 | 3/1/2011 |
| 2PB00025*ID | March 2011 | 001 | 80082 | CBOD 5 day | 7D Qty | 53.0 | 91.7809 | 3/1/2011 |
| 2PB00025*ID | March 2011 | 001 | 00530 | Total Suspended Solids | 7D Conc | 18.0 | 20.5 | 3/8/2011 |
| 2PB00025*ID | March 2011 | 001 | 00530 | Total Suspended Solids | 7D Qty | 63.0 | 180.818 | 3/8/2011 |
| 2PB00025*ID | March 2011 | 001 | 80082 | CBOD 5 day | 7D Qty | 53.0 | 105.411 | 3/8/2011 |

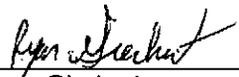
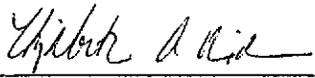
State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

| Section A: National Data System Coding | | | | | |
|--|-----------|----------------|-----------------|-----------|---------------|
| Permit # | NPDES# | Month/Day/Year | Inspection Type | Inspector | Facility Type |
| 2PB00025 | OH0020524 | 4/27/2011 | C | S | 1 |

| Section B: Facility Data | | |
|--|-----------------------|---|
| Name and Location of Facility Inspected | Entry Time | Permit Effective Date |
| Swanton WWTP 200 South St. Swanton, OH 43558 | 9:00 Am | April 1, 2011 |
| | Exit Time 11:30 pm | Permit Expiration Date August 31, 2011 |
| Name(s) and Title(s) of On-Site Representatives | Phone Number(s) | |
| Mr. Chris Witt - WWTP Superintendent | (419) 826 - 5891 | |
| Name, Address and Title of Responsible Official | Phone Number | |
| Mayor and Council Village of Swanton 219 Chestnut St. Swanton, OH 43558 | (419) 826 - 9515 | |

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

| Section D: Summary of Findings (Attach additional sheets if necessary) | | | |
|--|---------|---|---------|
| <p>Standard Operating procedures for lab parameters should be completed by April 1, 2012.</p> <p>An active rainfall derived inflow and infiltration (I&I) program should be developed. The program should be used to eliminate I&I during the sewer separation work.</p> | | | |
| Inspector | | Reviewer | |
|  | 5-16-11 |  | 5/13/11 |
| Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office | Date | Elizabeth A. Wick, P.E. Water Quality Engineer Division of Surface Water Northwest District Office | 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) Flows and loadings conform with NPDES permit..... Y
- (c) Treatment processes are as described in permit application... Y
- (d) All discharges are permitted..... Y
- (e) Number and location of discharge points are as described
in permit..... Y
- (f) Storm water discharges properly permitted..... N/A

Comments/Status:

Section F: Compliance

- (a) Any significant violations since the last inspection..... N
- (b) Appropriate Non-compliance notification of violations..... Y
- (c) Permittee is taking actions to resolve violations..... Y
- (d) Permittee has a compliance schedule..... Y
- (e) Compliance schedule contained in...NPDES permit
- (f) Permittee is in compliance with schedule..... Y
- (g) Has biomonitoring shown toxicity in discharge since last inspection N/A

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed Y
- i. What does the back-up power source operate.....

100 KW generator powers control building, blowers for lagoon and storm water pumps.

ii. How often is the generator tested under load.....
 1/month

(b) Which components have an alarm system available for power or equipment failures.....
 All equipment has alarms for power failures.

- (c) All treatment units in service other than backup units..... Y
- (d) What method is used for scheduling routine & preventative maintenance (calendar, software, etc.)..... Y
- (e) Any major equipment breakdown since last inspection..... N
- (f) Operation and maintenance manual provided and maintained..... Y
- (g) Any plant bypasses since last inspection..... Y
- (h) Any plant upsets since last inspection..... N

Section G: Operation & Maintenance

Record Keeping/Operator of Record:

- (a) Wastewater Treatment Works classification (OAC 3745-7)..... Y
- (b) Operator of Record holds unexpired license of class required by Permit..... Y
- (c) Copy of certificate of Operator of Record displayed on-site..... Y
- (d) Has the Operator of Record submitted an ORC Notification form.. Y
- (e) Minimum operator staffing requirements fulfilled (OAC 3745-7.... Y
- (f) If a Staffing Reduction plan has been approved, are the stipulations of the plan being met..... N/A
- (g) Operator of Record log book provided..... Y
- (h) Format of log book (e.g. computer log, hard bound book)
 Hours maintained by time cards. Copy of time cards need to be kept onsite. Maintenance log book of daily activities is kept in hard bound book.
- (i) Log book kept onsite (in an area protected from weather)..... Y
- (j) 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..... N
 - iii. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.)..... Y
 - iv. Laboratory results (unless documented on bench sheets)... N/A
 - v. Identification of person making entries..... N

- (k) Has the Operator of Record submitted written notifications 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

Comments/Status:

Time Cards to verify arrival departure time need to be kept onsite. Currently kept at Village administrative building. Initials need to be placed in maintenance log book of person making entries.

Section G: Operation & Maintenance cont.

Collection System:

- (a) Are there pump stations in the collection system..... Y
 - i. How many publicly-owned pump stations equipped with permanent standby power or equivalent.....2
 - ii. How many pump stations have telemetered alarms.....2
 - iii. How many pump stations have operable alarms.....2
- (b) Any chronic collection system overflows since last inspection..... N
- (c) Regulatory agency notified of all overflows..... Y
- (d) CSOs in the collection system....if so, what is the LCTP status..... Y
 - Facility just had LTCP approved. Working on plans for first phase of separation.
- (e) How are CSOs monitored (chalk, block, level sensor, etc.)..... Y
- (f) Portable pumps available for collection system maintenance..... Y
- (g) RDII Program established and active..... N
- (h) Any WIB complaint received since last inspection..... N
- (i) Is there a WIB response plan..... Y
- (j) Is any portion of the collection system at or near dry weather Capacity..... N

Comments/Status:

CSOs have occurred. Used wood sticks to check if overflowing. A rainfall derived inflow and infiltration (RDII) program is not established. The Village should look into developing a program paying special attention to eliminating I & I during the sewer separation work.

Section H: Sludge Management

- (a) Method of Sludge Disposal...
 - Land Application
 - Haul to Another NPDES Permittee
 - Haul to a Mixed Solid Waste Landfill

*if one of the selected methods is land application, complete applicable charts.

| Pathogen Reduction Alternative | 84370 Vector Attraction Reduction Options | | | | | | | | | |
|---|--|--|---|--|---|----------------------------|---|--|-------------------------------------|-------------------------------------|
| | Option 1 -38% Volatile Solids Reduction | Option 2 -Anaerobic Bench Scale Analysis | Option 3 – Aerobic Bench Scale Analysis | Option 4 – Specific Oxygen Uptake Rate | Option 5 – Aerobic Time and Temperature | Option 6 – Alkali Addition | Option 7 – >75% Percent Solids without Unstabilized | Option 8 - >75% Percent Solids with Unstabilized | Option 9 – Land Injection | Option 10 – Immediate Incorporation |
| Alternative 1 - Geometric Mean of Seven Fecal Samples (84369) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Alternative 2 - Aerobic Digestion (46396) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alternative 2 - Air Drying (46396) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alternative 2 - Anaerobic Digestion (46396) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alternative 2 – Composting (46396) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alternative 2 - Lime Treatment (46396) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alternative 3 – Approved Equivalent Process | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- (b) Has amount of sludge generated changed significantly since the last inspection..... N
- (c) How much sludge storage is provided at the plant.....
- (d) Records kept in accordance with State and Federal law (5 years according to OAC 3745-40-06)..... Y
- (e) Any complaints received in last year regarding sludge..... Y
- (f) 5/8" screen at headworks for facilities that land apply sludge..... N
- (g) Are sludge application sites inspected to verify compliance with NPDES permit..... Y

Comments/Status:

Facility uses an aerobic digester and sludge drying beds. Midwest composting has used portable press on sludge.

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices (e.g. weir with ultrasonic level sensor):

effluent ultrasonic weir, influent magmeter. Currently the facility is using the influent magmeter to record flows because the effluent meter is not providing accurate results.

- (b) Flow meter calibrated annually Y
(Date of last calibration: 5/10)
- (c) 24-hour recording instruments operated and maintained..... Y
- (d) Flow measurement equipment adequate to handle full range of flows..... Y
- (e) All discharged flow is measured..... Y

Section I: Self-Monitoring Program (cont)

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
(see GLC page)
- (d) 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

Section I: Self-Monitoring Program (cont)

Laboratory:

General

- (a) Does the Quality Assurance Manual contain written Standard Operating Procedures (SOP's) for all analysis performed onsite..... N
- (b) Do SOP's include the following if applicable:
- Title
 - Scope and Application
 - Summary
 - Sample Handling and Preservation
 - Interferences
 - Apparatus and Materials
 - Procedure
 - Calculations
 - Quality Control
 - Maintenance
 - Corrective Action
 - Reference (Parent Method)

• Reagents

Note: Standard Methods 1020A establishes that "Quality assurance (QA) is the definitive program for laboratory operation that specifies the measure required to produce defensible data of known precision and accuracy. "Standard operating procedures are to be used in the laboratory in sufficient detail that a competent analyst unfamiliar with the method can conduct a reliable review and/or obtain acceptable results." SOPs should be developed for each analytical procedure.

- (c) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
- (d) If alternate analytical procedures are used, proper approval has been obtained..... Y
- (e) Analyses being performed more frequently than required by permit. N
- (f) If (e) is yes, are results in permittee's self-monitoring report..... N/A
- (g) Satisfactory calibration and maintenance of instruments/equipment. Y
(see score from GLC page)
- (h) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Metals, O&G, Nitrate + Nitrite, Phosphorus, Bacteria, Low level Mercury

Lab name: Jones & Henry

Discharge Monitoring Report Quality Assurance (DMRQA)

- (a) Participation in latest USEPA quality assurance performance sampling..... N
Date: 8/2010
- (b) Were any parameters "Unsatisfactory"..... N/A
- (c) Reasons for "Unsatisfactory" parameters.....

Comments/Status:

CBOD test procedure was reviewed during the inspection. The incubator for the CBOD test should have a logbook maintained with temperatures being checked. The thermometer in the incubator should be calibrated annually. The lab refrigerator should also have a temperature log and the thermometer calibrated annually. Facility is working on developing SOPs for Lab. SOPs should be completed for all parameters by 4/1/2012.

Section J: Effluent/Receiving Water Observations

Outfall # 2PB00025

Outfall Description: Outfall observed was clear, colorless with no noticeable odor

Receiving Stream: AI Creek

Receiving Stream Description: Stream appeared turbid with high flow.

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

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 | Backflow preventor. |
| | Safety Features | S | Area fenced. |
| | Alternate Power Source | S | Diesel generator. Big enough to run storm water lagoon, raw valve, and lights. |
| | Storm Water Lagoon/EQ basin | IN | Discharging |
| Preliminary | Maintenance of Collection Systems | NE | Not evaluated. |
| | Pump Station | IN | Three raw pumps. One is 1.0 MGD, two are 1.5. |
| | Ventilation | S | Vented through hatches on top of well. |
| | Bar Screen | IN | On standby. Used as bypass for comminutor repair. |
| | Disposal of Screenings | S | Landfill. |
| | Comminutor | IN | Muffin Monster |
| | Grit Chamber | IN | Horseshoe channel type chamber. Grey color. Has its own blower. |
| | Disposal of Grit | S | Landfill. |
| Primary | Settling Tanks | IN | Two clarifiers. Parallel operation. Contents were turbid and grey in color. |
| | Scum Removal | IN | Sent to digester. |
| | Sludge Removal | IN | Sent to digester. |
| | Effluent | S | Slightly turbid with . |
| | | | |
| Sludge Disposal | Digesters | IN | One tank. Aerobic process. |
| | Sludge Pumps | IN | Two WAS pumps. Can pump to truck, drying beds, or primary digester. |
| | Drying Beds | IN | Four beds. |
| | Disposal of Sludge | S | Land application or landfill. |
| | Blowers | IN | Two units. |
| Other | Flow Meter and Recorder | IN | Magmeter on influent – digital read out – totalizer. Ultra sonic on effluent |
| | Records | NE | Not evaluated. |
| | Lab Controls | NE | Not evaluated. |
| | Chemical Treatment | S | Chlorine and sodium bisulfate. |
| | Automatic Samplers | IN | Raw, trickling filter, oxidation ditch, and final effluent samplers. |
| Secondary-Tertiary List items as required | Trickling Filters | IN | Two filters. Used in series. Effluent being pumped to storm pond. |
| | Trickling Filter Pumps | IN | Two pumps per filter. Three pumps can send effluent to final clarifier. |
| | Secondary Settling | IN | Effluent Clear |
| | Sand Filters | IN | Three filters. |
| | Sand Filter Backwash Pumps | IN | Three pumps. |
| | Buffer Tank/Mud Well | IN | Sand filters not back washing at time of inspection. No water in well. |
| | Oxidation Ditch | IN | |
| Disinfection | Effluent | S | Clear, colorless, with no odors |
| | Disinfection System | OUT | Sodium hypochlorite |
| | Effective Dosage | NE | Not evaluated. |
| | Contact Time | S | 15 to 30 minutes. |
| | Contact Tank | IN | |
| | Dechlorination | OUT | Liquid sodium bisulfite. Separate tank from chlorine contact tank. |
| | Storm Water Lagoon Disinfection | OUT | |