



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

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

Re: Crawford County
City of Crestline WWTP
NPDES Permit

June 30, 2010

Mr. Marc Milliron, Acting Safety Service Director
City of Crestline
100 North Seltzer Street
Crestline, Ohio 44827

Dear Mr. Milliron:

On October 8, 2009, and March 30, 2010, inspections of the City of Crestline Wastewater Treatment Plant (WWTP) were conducted. Ohio EPA representative, Ms. Michelle Sharp met with Mr. Mike Ritter. The inspection on October 8, 2009, included a tour of the facility and completion of a checklist designed to evaluate the major areas of the treatment plant. Our inspection findings and recommendations are summarized below.

October 8, 2009

The mixed liquor in the counter current aeration tank was a healthy brown color. The effluent from the UV disinfection tank was clear. The dissolved oxygen probe stopped working in mid-August 2009 and the controller is too old to be replaced; therefore, all 3 blowers run all the time. There was some sludge observed popping to the surface of the clarifiers.

March 30, 2010

There was some overflow observed going to the equalization tanks. It was again noted that the air is always left on in the Schreiber tank. There was some sludge and algae observed in the clarifiers, but the water coming over the weirs appeared to be clear. The effluent leaving the plant appeared to be clear.

Sludge was again observed in the drying beds. In a letter dated December 11, 2006, Mr. Eugene Toy indicated that the sludge drying beds provided 61 days of sludge storage capacity. In order for this capacity to be taken into account, the sludge must be regularly removed from the beds after it has dried. To ensure the plant has sufficient storage capacity, we request that you remove the sludge on the drying beds and properly dispose of it in a solid waste landfill.

Our review of the discharge monitoring reports covering the months of August 2008 through April 2010 for the Crestline WWTP found violations of the National Pollutant Discharge Elimination System (NPDES) permit. The specific instances of noncompliance are attached.

If you have any questions please contact Michelle Sharp at 419-373-3019.

Yours truly,

Elizabeth Wick, P.E.
Water Quality Engineer/Unit Supervisor
Division of Surface Water

MS/cs
Enclosure

pc: DSW, NWDO File (w/enc.)
Mike Ritter, Crestline WWTP (w/enc.)

Violation Date	Parameter	Limit Type	Limit	Reported Value
8/1/2008	Phosphorus, Total (P)	30D Conc	1.0	1.519
8/8/2008	Phosphorus, Total (P)	7D Conc	1.5	1.742
8/15/2008	Phosphorus, Total (P)	7D Conc	1.5	1.925
9/1/2008	Phosphorus, Total (P)	30D Conc	1.0	1.26875
9/1/2008	Phosphorus, Total (P)	7D Conc	1.5	1.508
9/9/2008	Dissolved Oxygen	1D Conc	5.0	4.6
9/12/2008	Dissolved Oxygen	1D Conc	5.0	4.9
10/1/2008	Phosphorus, Total (P)	30D Conc	1.0	1.33825
3/1/2009	Phosphorus, Total (P)	30D Conc	1.0	1.005
3/1/2009	Phosphorus, Total (P)	30D Qty	3.6	3.70935
3/8/2009	Total Suspended Solids	7D Qty	65	68.2202
3/22/2009	Phosphorus, Total (P)	7D Conc	1.5	2.88
3/22/2009	Phosphorus, Total (P)	7D Qty	5.4	10.5007
8/15/2009	Nitrogen, Ammonia (NH3)	7D Conc	1.2	1.99333
9/1/2009	Total Suspended Solids	30D Conc	12	19.3333
9/1/2009	Total Suspended Solids	30D Qty	43	68.275
9/8/2009	Total Suspended Solids	7D Conc	18	53.75
9/8/2009	Total Suspended Solids	7D Qty	65	198.128
9/8/2009	pH	1D Conc	6.5	6.3
9/28/2009	pH	1D Conc	6.5	6.4
10/1/2009	Phosphorus, Total (P)	30D Conc	1.0	1.2318
11/1/2009	Phosphorus, Total (P)	30D Conc	1.0	1.06025
2/1/2010	Phosphorus, Total (P)	30D Conc	1.0	1.1845
2/1/2010	Phosphorus, Total (P)	30D Qty	3.6	3.81595
2/22/2010	Phosphorus, Total (P)	7D Qty	5.4	6.19506
4/1/2010	Phosphorus, Total (P)	30D Conc	1.0	1.4958
4/1/2010	Phosphorus, Total (P)	30D Qty	3.6	4.59373
4/1/2010	Oil and Grease, Hexane	1D Conc	10	70.
4/8/2010	Phosphorus, Total (P)	7D Conc	1.5	2.122
4/8/2010	Phosphorus, Total (P)	7D Qty	5.4	7.08241
4/22/2010	Phosphorus, Total (P)	7D Conc	1.5	1.572



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Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
OH0020664	2PC00006	10/8/2009	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
City of Crestline WWTP 100 Westgate Drive Crestline, Ohio 44827	1:00 PM	8/1/2004
	Exit Time	Permit Expiration Date
	2:00 PM	7/31/2009
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Mike Ritter, Superintendent	419-683-2836	
Name, Address and Title of Responsible Official	Phone Number	
Mayor and Council City of Crestline 100 North Seltzer Street Crestline, Ohio 44827	419-683-3800	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
M	Records/Reports	S	Laboratory	U	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
U	Collection System				

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

Inspector	Reviewer
<i>Michelle M Sharp</i> 6-30-10 Michelle M. Sharp Division of Surface Water Northwest District Office	<i>Elizabeth A Wick</i> 5/27/10 Elizabeth A. Wick, P.E. Water Quality Engineer Division of Surface Water Northwest District Office

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..... N/A
- (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..... Y
- (b) Permittee is taking actions to resolve violations..... Y
- (c) Permittee has a compliance schedule..... Y
- (d) Compliance schedule contained in NPDES Permit
- (e) Permittee is meeting compliance schedule..... N

Comments/Status:

(a) Phosphorous violations.

(b) Facility is feeding more ferric chloride.

(e) Elimination of SSO has not been completed.

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)... N/A
- (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/A
- (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..... Y

Record Keeping:

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

Mostly on computer. Timeclock used to track time.
- (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..... Y
- (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..... N
- (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..... Y

Comments/Status:

Treatment Works:
Luke Hoffman is also working at the plant now. He currently holds his Class I wastewater license and is working on getting his Class II wastewater license

Collection System:
(h) One liftstation is, but two are not

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... Y
(c) Sludge adequately disposed..... Y
 (Method: Land Apply)
(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..... Y
(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:

(g) Utilizing sludge drying beds. Digesters are empty. New diffusers are working well, and the plant was decanting on the day of the visit to try and create some space.

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:)
(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:

(b) The calibration company went under and the plant is looking at a new company out of Columbus.

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..... N/A
- (e) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Ginosko - Everything but pH and DO
Enviroscience - Bioassay

Lab name: Ginosko and Enviroscience

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..... 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:

Permit # : OH0020664
NPDES # : 2PC00006



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