



State of Ohio Environmental Protection Agency

Southwest District Office

401 E. Fifth St.  
Dayton, Ohio 45402

TELE: (937) 285-6357 FAX: (937) 285-6249  
www.epa.state.oh.us

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

April 6, 2009

Edward Ewbank  
1600 Gest Street  
Cincinnati, Ohio 45204

RE: Indian Creek Wastewater Treatment Plant/Compliance Evaluation  
Inspection, NPDES Permit No. OH0024678/ OEPA Permit No.  
1PK00020\*FD

Mr. Ewbank:

On April 1, 2009, Mike Zimmerman and I conducted an NPDES Compliance Evaluation Inspection at the Indian Creek WWTP. Barbara Wagner, Treatment Supervisor, Tim Ball, Operator of Record, Dave Ruehl, Plant Supervisor and yourself were present. The purpose of the inspection was to evaluate compliance with the terms and condition of the facility's NPDES permit.

All areas that were evaluated received a satisfactory rating. No actions are recommended at this time. A copy of the inspection report is enclosed.

At the end of the inspection whole effluent biological toxicity testing was discussed. As part of the permit renewal, POTWs with a design flow rate of greater than 1 MGD must provide the results of whole effluent biological toxicity testing for acute or chronic toxicity for each discharge. The tests must have been performed during the last three years and must have followed Ohio EPA testing protocol. MSD has not performed this testing in the last 3 years at Indian Creek and therefore did not submit this data with the permit renewal. MSD has agreed to perform the required testing.

If you have any questions, please contact me by phone at (937) 285-6028 or by e-mail at [michelle.waller@epa.state.oh.us](mailto:michelle.waller@epa.state.oh.us).

Respectfully,

Michelle Waller  
Environmental Specialist II  
Division of Surface Water

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
1PK00020*FD	OH0024678	4/1/2009	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Indian Creek WWTP Harbor Drive North Bend, Ohio 45052	10:00 AM	7/1/2004
	Exit Time	Permit Expiration Date
	11:00 AM	6/30/2009
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Barbara Wagner – Treatment Supervisor Tim Ball – Operator of Record Dave Ruehl - Plant Supervisor Edward Ewbank – Senior Engineer	(513) 352-4924  (513) 244-5142	
Name, Address and Title of Responsible Official	Phone Number	
Edward Ewbank 1600 Gest Street Cincinnati, Ohio 45204	(513) 244-5142	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
See attached report.	
Inspector	Reviewer
<i>Michelle Waller</i> Michelle Waller Division of Surface Water Southwest District Office	<i>Debra Roll for</i> Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
4/7/2009 Date	4/7/2009 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)..... 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..... 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:

Permit renewal submitted December 24, 2009. Form 2A, Section VII of the permit renewal requires whole effluent biological toxicity testing be submitted. This information was not submitted, but MSD has agreed to perform the required testing.

**Section F: Compliance**

- (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
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

Review period 2/1/2007 – 2/1/2009  
 Four limit violations reported (2 TSS, 1 dissolved oxygen, and 1 NH3).

**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
- (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/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..... N

**Record Keeping:**

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

Hard bound book kept in office trailer.
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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)... N
  - 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..... N/A  
(CSO  and/or SSO )
- (c) Regulatory agency notified of overflows (SSOs)..... N/A
- (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/A
- (g) Lift station alarms provided and maintained..... N/A
- (h) Are lift stations equipped with permanent standby power  
or equivalent..... N/A
- (i) Is there an inflow/infiltration problem (separate sewer system),  
or were there any major repairs to collection system since  
last inspection..... N/A
- (j) Any complaints received since last inspection of basement flooding N/A
- (k) Are any portions of the sewer system at or near capacity..... N/A

Comments/Status:

**Section H: Sludge Management**

- (a) Sludge management plan (SMP)  
Submitted date: 6/1996      Approval #:      Not submitted
- (b) Sludge management plan current.....Y  
(c) Sludge adequately disposed.....Y  
(Method: incinerated)  
(d) If sludge is incinerated, where is ash disposed of      N/A  
(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  
(k) Is sludge adequately processed (digestion, pathogen control)..... Y

**Comments/Status:**

Sludge is transferred to the Muddy Creek or Mill Creek WWTP and incinerated.  
Sludge is hauled approximately 3-5 times per week.

**Section I: Self-Monitoring Program**

**Flow Measurement:**

- (a) Primary flow measuring device operated and maintained..... Y  
Type of device:  Ultrasonic & Parshall flume  Ultrasonic & wier  Weir  
 Calculated from influent  Other (Ultrasonic in closed pipe).
- (b) Calibration frequency adequate ..... Y  
(Date of last calibration: signal checked weekly)  
(c) Secondary instruments operated and maintained..... N/A  
(d) Flow measurement equipment adequate to handle full range  
of flows..... Y  
(e) Actual flow discharged is measured..... N  
(f) Flow measuring equipment inspection frequency  
 Daily  Weekly  monthly  other

**Comments/Status:**

If secondary flow measurement needed, an old v-notch weir could be used.  
Flow meter read 0.57 – 0.64 MGD on day of inspection.

**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..... N

Lab name:

*Quality Control/Quality Assurance*

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

Date:

**Comments/Status:**

Samples are sent to MSD Muddy Creek for conventional parameters and MSD Division of Industrial Waste for metals, nutrients, oil and grease.

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

Outfall Number	Outfall sign in place?	Oil sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	No	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:**

