



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
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: Allen County
Village of LaFayette
NPDES Permit

April 13, 2009

Mayor and Council
Village of LaFayette
P.O. Box 7184
LaFayette, Ohio 45854

Dear Mayor and Council:

On March 31, 2009, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the Village of LaFayette wastewater treatment plant. Mr. Wes Hites and Mr. Jim Everhardt were present and provided information on operation and maintenance of the plant. The inspection included an interview with completion of the enclosed inspection checklist and a tour of the plant.

During our visit, all treatment units, except chlorination and dechlorination, were in operation. The final effluent discharging to Little Hog Creek was clear. However, no samples were collected to verify compliance with NPDES permit limits.

In the past year, 136 NPDES permit violations have been reported. During portions of 2008, the Village was considered to be in Significant Non-Compliance (SNC) with limits for total suspended solids, chlorine residual and fecal coliform bacteria. Mr. Hites explained that the total suspended solids violations were believed to be caused by a leaking valve from the polishing lagoon. A moody ball was installed in the lagoon outlet to stop the leakage. The chlorine residual violations are believed to be caused by inadequate dechlorination. Mr. Hites stated that dechlorination tablets will be used in all available tubes to ensure adequate dechlorination. Fecal coliform violations are believed to be caused by cross contamination due to improper sample collection techniques. Clean sampling techniques will be established to address these violations. Hopefully, these corrective actions will improve compliance so that escalated enforcement action will not be necessary.

Our completed inspection checklist is enclosed for your records. If you have any questions, please contact Mr. Tom Poffenbarger at (419)373-3008.

Sincerely,

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

TP/lb

Enclosure

~~per: [redacted] DSW\NWDC-File-w/enclosure~~

Permit #: 2PA00049
 NPDES #: OH0053155



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
2PA00049	OH0053155	3/31/2009	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of LaFayette WWTP Schick Drive Lafayette, Ohio 45854	1:00 PM	12/1/2006
	Exit Time	Permit Expiration Date
	2:15 PM	11/30/2011
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Wes Hites, Operator Mr. Jim Everhardt, Operator	419-230-9194 419-649-8801	
Name, Address and Title of Responsible Official	Phone Number	
Mayor and Council Village of LaFayette P.O. Box 7184 Lafayette, Ohio 45854	419-649-8801	

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

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

Final effluent discharge to Little Hog Creek was clear.

136 NPDES permit violations have been reported in the past year. Facility was considered to be in Significant Non-Compliance for total suspended solids, chlorine residual and fecal coliform during portions of 2008. Actions have been taken to address violations.

Inspector	Reviewer
<i>Thomas Poffenbarger</i> 4/9/09	<i>Elizabeth A. Wick</i> 4/10/09
Thomas Poffenbarger, P.E. Date District Engineer Division of Surface Water Northwest District Office	Elizabeth A. Wick, P.E. Date 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..... 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..... Y
- (b) Permittee is taking actions to resolve violations..... Y
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

(a) 136 violations reported in past year. Facility was in SNC for TSS, Cl and Fecal coliform in 2008.

(b) TSS violations were caused by a leaking valve in the lagoon, a moody ball was installed to block flow; Chlorine violations were related to insufficient dechlorination more tablets will be used this year; Fecal coliform violations are believed to be caused by contaminated sample collection equipment, new clean sampling methods will be employed.

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.. N
- (c) All treatment units in service other than backup units..... Y
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... I
- (e) Operator of Record holds unexpired license of class required by permit..... Y
 Class: III
- (f) Copy of certificate of Operator of Record displayed on-site..... N
- (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
- (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)

clip board and binder
- (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..... N

Section G: Operation & Maintenance (con't)

Collection System:

- (a) Percent combined system: 0%
- (b) Any collection system overflows since last inspection..... N
(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
- (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:

(i) The sewer system has I/I problems. No major repairs have been made since previous inspection.

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: Stored on site)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... N/A
(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..... N/A
- (j) Any complaints received in last year regarding sludge..... N
- (k) Is sludge adequately processed (digestion, pathogen control)..... Y

Comments/Status:

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: 8/27/2008)
- (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).. 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. Y
 - (d) If (c) is yes, are results in permittee's self-monitoring report..... Y
 - (e) Commercial laboratory used..... Y
- Parameters analyzed by commercial lab:
 TSS, CBOD, Ammonia, Fecal coliform, Phosphorus, Metals

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:

(g) Calibrations are planned to be performed on a regular basis.
 (h) Calibration records will be maintained.

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:

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

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		
	Safety Features	S	Fence surrounding WWTP
	Bypasses	OUT	Plant bypass
	Storm Water Overflows		
	Alternate Power Source	S	Generator
Preliminary	Maintenance of Collection Systems		
	Pump Station	IN	
	Ventilation		
	Bar Screen	IN	On comminutor bypass line
	Disposal of Screenings	S	Land filled
	Comminutor	IN	1 Unit
	Grit Chamber		
	Disposal of Grit		
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters	IN	One aerobic
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps		
	Drying Beds	IN	2 Beds
	Belt Filter Press		
	Centrifuge		
Disposal of Sludge	M	Stored in a pile on site	
Other	Flow Meter and Recorder	IN	Ultrasonic / Parshall flume
	Records	S	
	Lab Controls	S	
	Chemical Treatment		
Secondary - Tertiary	Extended Aeration	IN	2 Tanks
	Clarifiers	IN	2 Tanks
	Upward Flow Fixed Media Clarifiers	IN	4 Units, one out daily for cleaning
	Polishing Lagoon	OUT	No longer used
Disinfection	Effluent	S	Clear
	Disinfection System	OUT	Sodium hypochlorite; Summer only
	Effective Dosage		
	Contact Time		
	Contact Tank	OUT	Baffles being replaced
	Dechlorination	OUT	Sodium Bisulfite; Summer only