



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: Allen County
Village of Elida
NPDES Permit

July 13, 2009

Mayor and Council
Village of Elida
200 West Main Street
P.O. Box 3074
Elida, Ohio 45807

Dear Mayor and Council:

On June 10, 2009, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the Village of Elida wastewater treatment plant. Mr. Ken Hall and Mr. Rolly Weber were present and provided information on plant operation and maintenance. The inspection included completion of the enclosed inspection checklist and a tour of the wastewater treatment plant.

During our visit, all treatment units were in operation. The final effluent discharging to the Ottawa River was moderately turbid with a green/brown color. No samples were taken to verify compliance with permit limits.

Eighteen NPDES permit effluent violations have been reported since our last inspection. The majority of these violations were for the pH parameter during July and August 2008. These violations were believed to be related to a faulty pH probe. The remaining violations were loading violations due to the high flows received during wet weather. Our review of your discharge monitoring reports indicates that the average daily flow for the period of April 2008 to March 2009 was 0.85 million gallons per day (MGD). This flow exceeds the design average daily flow of 0.5 MGD. Mr. Weber indicated that the actual design flow of the plant is more than 0.5 MGD. We recommend that you provide plant design information/calculations and an NPDES permit modification request to increase this flow to the actual design flow.

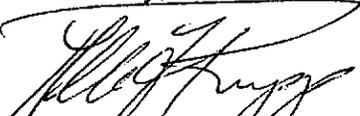
As discussed, there are many acceptable formats which meet the record keeping requirements outlined in the Operator Certification rules (Ohio Administrative Code Section 3745-7-09). These formats include, but are not limited to, hard bound books with consecutive page numbering, time cards, separate operation and maintenance records or well organized computer logs.



Mayor and Council
July 13, 2009
Page Two

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

Yours truly,



Allen L. Rupp, P.E.
District Engineer/Section Manager
Division of Surface Water

/lb

Enclosure

pc: ~~DSW\NWDO-File-w/enclosure~~

Permit.# : 2PB00046
 NPDES #: OH0024996



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
2PB00046	OH0024996	6/10/2009	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Elida Wastewater Treatment Plant 4180 North Dutch Hollow Road Elida, Ohio, Allen County	12:30 PM	10/1/2007
	Exit Time	Permit Expiration Date
	1:30 PM	9/30/2012
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Mr. Rolly Weber, Superintendent Mr. Ken Hall, Village Administrator		419-339-5761 419-339-2811
Name, Address and Title of Responsible Official		Phone Number
Mayor and Council Village of Elida 200 W. Main St.; P.O. Box 3074 Elida, Ohio 45807		419-339-2811

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

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

Discharge to the Ottawa River was turbid and green/brown in color.

Letter of intent to comply or Mercury Variance Request was due on May 1, 2009.

OAC 3745-7-09 provides many acceptable formats which meet record keeping requirements. These formats include, but are not limited to, hard bound books with consecutive page numbering, time cards, separate operation and maintenance records, or well organized computer logs.

Inspector	Reviewer
<i>Thomas Poffenbarger</i> 6/17/09	<i>Elizabeth A. Wick</i> 7/17/09
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..... Y
- (d) Compliance schedule contained in NPDES Permit
- (e) Permittee is meeting compliance schedule..... N

Comments/Status:

(a) pH (July 08, Aug. 08); Fecal coliform in Sludge (Dec. 08); CBOD (Jan. 09, Mar. 09)
(b) pH problems were caused by faulty probe, CBOD Violations were due to high flows.
(e) Mercury compliance letter or variance request was due May 1, 2009.

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: III
- (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..... N
- (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)

Computer Log & Hard Bound Book

- (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..... N
- (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..... 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..... 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 Y
- (k) Are any portions of the sewer system at or near capacity..... N

Comments/Status:

- (i) Some broken sewers have been repaired.
- (j) One basement flooding complaint was received.

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:Land Applied)
(d) If sludge is incinerated, where is ash disposed of
(e) Is sludge disposal contracted..... Y
(Name:Glen Long - Farmer)
(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:

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: 11/1/2008)
(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 (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
- (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
 - (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: Nitrates, phosphorus, oil & grease, sludge, mercury.

Lab name: Alloway Environmental Testing

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	moderate	none	none	green /brown	none

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		
	Storm Water Overflows	OUT	Retention Pond Overflow
	Alternate Power Source	S	Generator
Preliminary	Maintenance of Collection Systems		
	Pump Station	IN	3 Influent lift pumps
	Ventilation		
	Bar Screen	OUT	In comminutor bypass channel
	Disposal of Screenings		
	Comminutor	IN	Muffin monster
	Grit Chamber	IN	2 Channels (manually cleaned)
	Disposal of Grit	S	Landfilled
	Equalization Pond	IN	Aerated on timer
Primary	Settling Tanks	IN	2 Units
	Scum Removal	IN	To digester
	Sludge Removal	IN	To digester
	Effluent	S	Gray/brown color
Sludge Disposal	Digesters	IN	1 Unit, Aerobic
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	IN	1 Unit
	Drying Beds	IN	5 Beds, 1 in use
	Belt Filter Press		
	Centrifuge		
Other	Disposal of Sludge	S	Land Application
	Flow Meter and Recorder	IN	
	Records	S	
Secondary - Tertiary	Lab Controls	S	
	Chemical Treatment	IN	Alum & Degreaser added to influent, polymer added in diversion box
Disinfection	Trickling Filter	IN	1 Unit, even distribution
	Final Clarifiers	IN	3 Units, turbid with a green/brown discharge
	Lift and Recirculation Pumps	IN	2 units
Disinfection			
	Effluent	M	Turbid with a green/brown color
	Disinfection System	IN	Ultraviolet
	Effective Dosage		
	Contact Time		
	Contact Tank		
Dechlorination			