



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

June 12, 2008

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

Dear Mayor and Council:

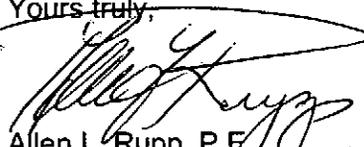
On May 13, 2008, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the Village of Elida wastewater treatment plant. Mr. Rolly Weber was present and provided information on plant operation and maintenance. The inspection included completion of the 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. Mr. Weber stated that the turbidity was due to the high flow that was received during recent wet weather. No samples were taken to verify compliance with permit limits.

Nine NPDES permit violations have been reported since our last inspection. The majority of these violations were loading violations related to the high flows received during wet weather. Our review of your monthly operating reports indicates that the average daily flow for the period of April 2007, to March 2008, was 0.7 million gallons per day (MGD). This flow exceeds the design average daily flow of 0.5 MGD. Mr. Weber indicated that the Village is currently televising the collection system to determine sources of inflow and infiltration.

A copy of 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

TP/llr

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	5/13/2008	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	10:00 AM	10/1/2007
	Exit Time	Permit Expiration Date
	10:50 AM	9/30/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Rolly Weber, Superintendent	419-339-5761	
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	419-339-5761	

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

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

Final effluent discharging to the Ottawa River was turbid with a green/brown color due to high flows.

The Village is currently televising their collection system to determine the sources of inflow and infiltration.

Pollutant loading violations are occurring due to high flows which exceed plant design flow.

Mercury compliance letter or variance letter is due May 1, 2009.

Inspector	Reviewer
<i>Thomas Poffenbarger</i> 5/20/08	<i>Elizabeth A. Wick</i> 5/29/08
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)..... 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..... 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..... Y

Comments/Status:

(a) TSS - Jan 07, Apr 07, Feb 08
CBOD - Jan 07, Dec 07, Jan 08, Feb 08, Mar 08
D.O. - Mar 08

(b) The Village is currently televising their sewers to determine the sources of inflow and infiltration.

(d) Mercury compliance letter or variance request is 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..... Y
- (j) Operation and maintenance manual provided and maintained..... Y
- (k) Any plant bypasses since last inspection..... Y
- (l) Regulatory agency notified of bypasses..... Y
 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
- (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..... 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..... 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..... N

Comments/Status:

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: October 2007)
- (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
 - (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: All parameters except CBOD, TSS, Ammonia, Fecal coliform, pH and dissolved oxygen.

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
Primary	Equalization Pond	IN	Aerated on timer
	Settling Tanks	IN	2 Units
	Scum Removal	IN	To digester
	Sludge Removal	IN	To digester
Sludge Disposal	Effluent	S	Green/gray color
	Digesters	IN	1 Unit, Aerobic
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	IN	1 Unit
	Drying Beds	OUT	5 Beds
	Belt Filter Press		
Other	Centrifuge		
	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
	Trickling Filter	IN	1 Unit, even distribution
Disinfection	Final Clarifiers	IN	3 Units, turbid with a green/brown discharge
	Lift and Recirculation Pumps	IN	2 units
	Effluent	M	Turbid with a green/brown color
	Disinfection System	IN	Ultraviolet
	Effective Dosage		
	Contact Time		
	Contact Tank		
	Dechlorination		