



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  
Harrod WWTP  
NPDES Permit

April 1, 2009

Mayor and Council  
Village of Harrod  
Town Hall  
P. O. Box 129  
Harrod, Ohio 45850

Dear Mayor and Council:

On March 24, 2009, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the Village of Harrod wastewater treatment plant (WWTP). Mrs. AdahBelle Rumer and Mr. John Rumer were present and provided information regarding operations and maintenance at the WWTP. Our inspection included an interview with completion of the enclosed inspection checklist as well as a tour of the wastewater treatment plant.

During our visit, the primary lagoon cell was out of service for sludge removal. Mr. Rumer explained that the cell was taken offline in October 2008. However, the weather turned bad and sludge removal was not accomplished. Plans are to begin sludge removal "once the weather dries up". The contents of the secondary cell were black in color with some floating solids. Mr. Rumer indicated that both aerators in this cell malfunctioned during cold weather earlier in the year. One aerator was returned to service the week prior to our inspection. The second aerator was planned to be re-installed prior to the end of the week. The contents of the final cell were also black in color with septic odors. The final effluent discharge into the unnamed tributary to Manahan Ditch was black in color. **This discharge was in violation of the General Effluent Limitations outlined in Part III, Section 2 of your NPDES permit.** No samples were taken to determine compliance with numeric NPDES permit limits.

Based on these lagoon conditions, we recommended that the discharge be eliminated and the lagoons be remediated. Mr. Rumer indicated that he would install additional boards in the discharge chamber of the final cell. If capacity concerns develop prior to remediation, we also recommend that the primary cell be returned to service.

Mayor and Council  
April 1, 2009  
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Please be advised of the conditions outlined in Part III, Section 12 of your NPDES permit. These conditions require the Village to notify Ohio EPA within 24 hours of discovery at 1-800-282-9378 if any of the following occur: Any non-compliance which may endanger health or the environment; any unanticipated bypass which exceeds any effluent limitation in the permit; any upset which exceeds any effluent limitation in the permit; or any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit. In lieu of making the telephone reports, electronic reports may be submitted via e-mail using the Non-compliance Notification forms found at: <http://www.epa.state.oh.us/dsw/permits/permits.html> . **These notification requirements were not followed. This is also considered a violation of your permit.**

During the inspection, we provided Mrs. Rumer with the Operator of Record Notification Form that must be completed and submitted to Central Office. Our review of your record keeping procedures indicates some additional changes are necessary to comply with the requirements outlined in Ohio Administrative Code 3745-7-09. We recommend that the records be kept in a hard bound book with consecutive page numbering. Also, it will be necessary to keep a log documenting the dates and times of arrival and departure of your Operator of Record (Mrs. AdahBelle Rumer).

Please inform this office in writing within 21 days of the actions that are being taken to address the issues outlined above. Our completed inspection checklist is enclosed for your records. If you have any questions, please call Mr. Tom Poffenbarger at (419) 373-3008.

Yours truly,



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

TP/lb

Enclosure

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

Permit #: 2PA00023  
 NPDES #: OH0053678



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
2PA00023	OH0053678	3/24/09	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Harrod WWTP Second Street Harrod, Ohio 45850	10:30 AM	8/1/2005
	Exit Time	Permit Expiration Date
	11:15 AM	7/31/2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mrs. AdahBelle Rumer, Tech. Supervisor Mr. John Rumer, Operator	419-648-2243 419-371-5290	
Name, Address and Title of Responsible Official	Phone Number	
Mayor & Council, Village of Harrod Town Hall P.O. Box 129 Harrod, Ohio 45850	419-648-5088	

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
U	Facility Site Review	S	Sludge Storage/Disposal	N	Other
S	Collection System				

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

Effluent discharge to unnamed tributary to Manahan Ditch was black with septic odors.

Primary lagoon cell has been being bypassed (for sludge removal) since October 2008.

Both aerators in the secondary lagoon cell malfunctioned during January 2008, one aerator was returned to service last week, second aerator was planned to be installed this week.

Recommended that the discharge temporarily be eliminated and remediation of final cell be performed.

Inspector	Reviewer
<i>Thomas Poffenbarger</i> 3/27/09	<i>Elizabeth A. Wick</i> 3/31/09
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..... 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..... N
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

(a) Dissolved Oxygen - July 08, Aug.08, Sept. 08 and Jan. 09  
CBOD - Jan. 09

(b) Violations are believed to be weather related and due to the primary cell being out of service.

**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..... N
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... I
- (e) Operator of Record holds unexpired license of class required by permit..... Y  
 Class: I
- (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
- (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)  

3 ring 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..... N
  - 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..... N
- (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, Plan to landfill primary sludge)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... Y  
(Name: Midwest Compost)
- (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:**

Facility has plans to remove sludge from primary cell and dispose by landfilling. Secondary and tertiary sludge was removed and land applied several years ago.

**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: 8/1/2008)
- (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:**

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		
	Buildings		
	Potable Water Supply Protection		
	Safety Features		
	Bypasses		
	Storm Water Overflows		
	Alternate Power Source		
Preliminary	Maintenance of Collection Systems		
	Pump Station		
	Ventilation		
	Bar Screen	OUT	In comminutor bypass channel
	Disposal of Screenings	S	Landfill
	Comminutor	IN	I Unit
	Grit Chamber		
	Disposal of Grit		
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters		
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps		
	Drying Beds		
	Belt Filter Press		
	Centrifuge		
Disposal of Sludge	S	Land Applied and Landfilled	
Other	Flow Meter and Recorder		
	Records		
	Lab Controls		
	Chemical Treatment		
Secondary - Tertiary	Lagoon 1 (Primary)	OUT	Taken out of service in October 2008 for sludge removal.
	Lagoon 2 (Secondary)	IN	One of two aerators in operation, black in color
	Lagoon 3 (Tertiary)	IN	No aeration, black in color with some floating solids
Disinfection	Effluent	U	Black with septic odors
	Disinfection System	Out	Chlorine Gas
	Effective Dosage		
	Contact Time		
	Contact Tank	IN	
	Dechlorination	Out	Sodium Bisulfite