



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.ohio.gov

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

Re: Hardin County  
McGuffey WWTP  
NPDES Permit

February 8, 2010

Mayor and Council  
Village of McGuffey  
P. O. Box 304  
McGuffey, Ohio 45859

Dear Mayor and Council:

On January 20, 2010, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the McGuffey Wastewater Treatment Plant. Mr. Phil Epley was present and provided information on plant operation and maintenance.

During our visit, all major treatment units were in operation. The final effluent discharging to Cottonwood Ditch was slightly turbid. However, no samples were taken to verify compliance with permit limits.

Operator Certification rules outlined in Ohio Administrative Code (OAC) 3745-7 became effective on December 21, 2006. Record keeping requirements and responsibilities of a certified operator (OAC 3745-7-09) were effective at that time. Portions of these record keeping requirements require documentation of the dates and times of arrival and departure for the operator of record. This required documentation should be implemented immediately. Minimum staffing requirements outlined in the rules, will become effective with your NPDES permit renewal. The McGuffey WWTP will be classified as a "Class I" facility under the rules. "Class I" facilities require the certified operator of record to be physically present at the wastewater treatment plant three days per week for a minimum of 1.5 hours per week.

Our records indicate that your NPDES permit renewal application is due May 4, 2010. Our completed inspection report is enclosed for your records. If you have any questions, please call Tom Poffenbarger at (419) 373-3008.

Yours truly,

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

TP/llr

Enclosures

pc: Mr. Philip Epley, Village of Ada w/enclosures  
◀DSW-NWDO File w/enclosures▶



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
2PA00006	OH0026271	1/20/10	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
McGuffey WWTP East Street McGuffey, Hardin County	10:55 AM	January 1, 2005
	Exit Time	Permit Expiration Date
	11:20 AM	October 31, 2010
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Mr. Philip Epley, Superintendent		419-634-4045
Name, Address and Title of Responsible Official		Phone Number
Mayor & Council Village of McGuffey P.O. Box 304 McGuffey, Ohio 45859		419-757-2292

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

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

The final effluent discharge to Cottonwood Ditch was slightly turbid

Minimum staffing requirements will become effective with renewal NPDES permit.

Record keeping requirements must be followed.

NPDES Permit renewal application is due May 4, 2010.

Inspector		Reviewer	
<i>Thomas Poffenbarger</i>	2/3/10	<i>Elizabeth A. Wick</i>	2/4/10
Thomas Poffenbarger, P.E. Division of Surface Water Northwest District Office	Date	Elizabeth A. Wick, P.E. Water Quality Engineer Division of Surface Water Northwest District Office	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)..... 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**

- (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) Total Suspended Solids – February 2009, October 2009  
Nitrogen, Ammonia – February 2009, September 2009  
CBOD – February 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.. 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..... 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)  

3 Ring Binder
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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..... 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..... 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..... 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:Hauled to Lima WWTP)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... Y  
(Name: To the lowest priced bid)
- (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)..... N/A

**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: 6/1/2009)
- (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  
(see GLC page 5 and 8)
- (d) 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

**Laboratory:**

*General*

- (a) Do you have written Standard Operating Procedures (SOP's) for all analysis performed onsite? Y
- (b) Do SOP's include the following if applicable: (✓ indicates included)
  - Title ✓
  - Scope and Application
  - Summary
  - Sample Handling and Preservation NA
  - Interferences
  - Apparatus and Materials ✓
  - Reagents ✓
  - Procedure ✓
  - Calculations NA
  - Quality Control
  - Maintenance
  - Corrective Action
  - Reference (Parent Method)

Note: SOP's are required per Standard Methods 1020A and states "Standard operating procedures are to be used in the laboratory in sufficient detail that a competent analyst unfamiliar with the method can conduct a reliable review and/or obtain acceptable results."

- (c) EPA approved analytical testing procedures used for all analysis (40 CFR 136.3, see GLC page 8). Y
- (d) If alternate analytical procedures are used, proper approval has been obtained..... N/A
- (e) Analyses being performed more frequently than required by permit. N
- (f) If (e) is yes, are results in permittee's self-monitoring report..... N/A

*Quality Control/Quality Assurance*

- (g) Quality assurance manual provided and maintained..... N
- (h) Satisfactory calibration and maintenance of instruments/equipment. Y  
(see score from GLC page 7)
- (i) Results of latest USEPA quality assurance performance sampling program:  Satisfactory  Marginal  Unsatisfactory  
Date:

(j) Commercial laboratory used..... Y  
 Parameters analyzed by commercial lab: CBOD, TSS, Oil & Grease,  
 Metals, Hardness

Lab name: Alloway Environmental Testing

**Comments/Status:**

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

Outfall Number	Outfall sign in place?	Oil sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	No	None	none	slight	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?

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	--	
	Alternate Power Source	--	
Preliminary	Maintenance of Collection Systems	S	
	Pump Station	IN	2 Pumps
	Ventilation	S	
	Bar Screen	IN	
	Disposal of Screenings	S	Landfilled
	Comminutor	--	
	Grit Chamber	--	
	Disposal of Grit	--	
Primary	Settling Tanks	--	
	Scum Removal	--	
	Sludge Removal	--	
	Effluent	--	
Sludge Disposal	Digesters	IN	Full - Frozen
	Temperature and pH	--	
	Gas Production	--	
	Heating Equipment	--	
	Sludge Pumps	IN	2 Pumps
	Drying Beds	IN	Two beds clean/ready for use
	Belt Filter Press		
	Centrifuge		
Disposal of Sludge	S	Hauled to Lima WWTP	
Other	Flow Meter and Recorder	IN	
	Records	S	
	Lab Controls	S	
	Chemical Treatment	--	
Secondary - Tertiary	Oxidation Ditch	IN	Brown color
	Secondary Clarifier	IN	Clean weirs
	Imhoff Tank	OUT	
Disinfection	Effluent	S	Slightly turbid
	Disinfection System	OUT	Hypochlorite
	Effective Dosage	--	
	Contact Time	--	
	Contact Tank	IN	
	Dechlorination	OUT	Sodium Bisulfite