



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 Korteski, Director

Re: Hardin County
McGuffey WWTP
NPDES Permit

November 17, 2008

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

Dear Mayor and Council:

On October 30, 2008, 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 clear. However, no samples were taken to verify compliance with permit limits. Several fecal coliform violations were reported in July and September 2008. Mr. Epley indicated that these violations were related to failure of the chlorination pump at the WWTP. A back-up chlorination pump should be purchased and maintained on site to avoid excessive periods of down time should the primary chlorination pump fail again.

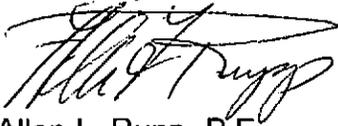
Operator Certification rules outlined in Ohio Administrative Code (OAC) 3745-7 became effective on December 21, 2006. Record keeping requirements and responsibilities of a certified operator (OAC 3745-7-09) were effective at that time. Portions of these record keeping requirements require documentation of all operation and maintenance activities on the collection system and wastewater treatment plant to be developed and maintained. The required documentation includes, but is not limited to: dates and times of arrival and departure for the operator of record and preventative maintenance logs for all plant and collection system components. The records must be kept up to date, contain a minimum of three months data at all times, and be maintained on site for at least three years. **These record keeping requirements must be implemented immediately.**

Mayor and Council
November 17, 2008
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Staffing and certification levels, outlined in the rules, will become effective with any NPDES permit action, issued after December 2008. 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.

If you have any questions, please call Tom Poffenbarger at (419)373-3008.

Yours truly,

A handwritten signature in black ink, appearing to read "Allen L. Rupp", written over a horizontal line.

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

TP/csl

Enclosures

pc: Mr. Philip Epley, Village of Ada w/enclosures
(CDSW-NWDO File w/enclosures)

Permit #: 2PA00006
 NPDES #: OH0026271



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	10/30/2008	C	S	11

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of McGuffey Wastewater Treatment Plant East Street McGuffey, Hardin County	11:15 AM	11/1/2005
	Exit Time	Permit Expiration Date
	11:35 AM	10/31/2010
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 and 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)			
<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Flow Measurement	<input type="checkbox"/> Pretreatment	
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Compliance Schedule	
<input type="checkbox"/> Operations & Maintenance	<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Self-Monitoring Program	
<input type="checkbox"/> Facility Site Review	<input checked="" type="checkbox"/> Sludge Storage/Disposal	<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Collection System			

Section D: Summary of Findings (Attach additional sheets if necessary)	
<p>The final effluent discharge to Cottonwood Ditch was clear.</p> <p>Fecal coliform violations were reported in August 2007, July 2008 and September 2008.</p> <p>A spare chlorine pump should be kept on site at all times.</p> <p>Minimum staffing requirements will become effective with any permit action after December 2008.</p> <p>Record keeping requirements must be followed.</p>	
Inspector	Reviewer
<p><i>Thomas Poffenbarger PE 11/12/08</i></p> <p>Thomas Poffenbarger, P.E. Date District Engineer Division of Surface Water Northwest District Office</p>	<p><i>Elizabeth A. Wick 11/13/08</i></p> <p>Elizabeth A. Wick, P.E. Date Water Quality Engineer Division of Surface Water Northwest District Office</p>

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..... 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..... Y
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

(a) Fecal Coliform - August 2007, July 2008, September 2008
TSS - Feb 2008
Ammonia - Feb 2008
CBOD Feb 2008 & May 2008

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)..... 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..... N
- (b) Format of log book (i.e. computer log, hard bound book)
- (c) Log book(s) kept onsite (in an area protected from weather)..... N
- (d) Log book contains the following:
 - I. Identification of treatment works..... N
 - 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)..... N
 - IV. Laboratory results (unless documented on bench sheets)... N
 - 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..... 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:Hauled to Lima WWTP)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... Y
(Name:Bluffton Aeration)
- (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)..... 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: 10/1/2008)
- (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 (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..... Y
 - (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: CBOD, TSS, Ammonia, Oil & Grease, Phosphorus, Metals, Mercury
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:

Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	none	none	clear	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	--	
	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	Acrated 1/4 full
	Temperature and pH	--	
	Gas Production	--	
	Heating Equipment	--	
	Sludge Pumps	IN	2 Pumps
	Drying Beds	IN	Two beds; One in 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	Clear
	Disinfection System	IN	Hypochlorite
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	IN	
	Dechlorination	IN	Sodium Bisulfite