



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

January 17, 2013

Darke County Board of Commissioners
County Administration Building
520 South Broadway
Greenville, Ohio 45331

**RE: Darke County, Darke County Criminal Justice Center
Compliance Evaluation Inspection**

Ladies and Gentlemen:

On January 9, 2013, I conducted a Compliance Evaluation Inspection at the Darke County Criminal Justice Center (NPDES Permit No. OH0133621; OEPA Permit No. 1PG00104*BD). The inspection was also conducted as part of renewing the NPDES Permit. Representing this Facility were Bill Marker and Jeff Marshall. A copy of my inspection report is enclosed.

All areas evaluated in the inspection report were found to be satisfactory. The items noted in the attached report are currently being addressed. A new Operator of Record Notification Form must be submitted for Bill Marker. Please submit this form to this office as soon as possible, but not later than February 15, 2013.

Finally, the County is investigating the possibility of connecting the county home and jail to the city of Greenville's sanitary sewer. Due to its age, the current WWTP will need to be replaced sooner than later. Ohio EPA strongly encourages the County to connect to the City's sanitary sewers as soon as possible.

If you have any questions, please call me at (937) 285-6096.

Sincerely,

A handwritten signature in blue ink, which appears to read "Ned Sarle".

Ned Sarle
Environmental Specialist 2
Division of Surface Water – Permits Section

NS/kb

Enclosure

ec: Jeff Marshall, Darke County



State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report
Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PG00104*BD	OH0133621	1/9/2013	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Darke County Criminal Justice Center 5185 County Home Road Greenville, Ohio 45331	11:10 A.M.	5/1/2008
	Exit Time	Permit Expiration Date
	11:40 A.M.	4/30/2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Bill Marker, WWTP Operator Jeff Marshall, Community Development Coordinator	(937) 459-2317 (937) 547-7362	
Name, Address and Title of Responsible Official	Phone Number	
Darke County Board of Commissioners County Administration Building 520 South Broadway Greenville, Ohio 45331	(937) 547-7370	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Summary of Findings / Comments.	
Inspector	Reviewer
 Ned Sarle Permit Section Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
1/17/13 Date	1/17/13 Date

Permit #: 1PG00104*BD

NPDES #: OH0133621

Average Daily Design Flow:	10,000 Gallons/Day
Plant Serves:	County Jail
Average Daily Flow: (Period of Review):	2080 Gallons/Day (October 2011 through December 2012)
Method of flow monitoring:	Elapsed Time Meter of Dosing Pumps
Type of alarms for plant:	Dosing pump wet well

Pretreatment

Type of Pretreatment: **Trash Trap**
Does the Trash Trap need pumped: **No**
Maintenance of pretreatment components is: **Good**

Comments/Status:

Trash trap pumped 1-2 times a year.

**Secondary Treatment
(Aeration)**

Color of sludge: **Medium Brown**
Quality of Sludge: **Medium**
Foam: **None present**
Odor: **No objectionable odor present**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Good**

Comments/Status:

None.

**Secondary Treatment
(Settling)**

Clarity: **Clear**
Condition of Weir: **Clean**
Weir is level: **Yes**
Effluent in weir: **Clear**

Permit #: 1PG00104*BD
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Clarifier walls need scraped: **Yes**

Overall maintenance of settling components is: **Good**

Comments/Status:

Weirs are cleaned weekly. Clarifier walls are scraped weekly.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Good**

Comments/Status:

None.

Sludge Handling/Storage Disposal

Hauler name: **Mike's Sanitation Inc.**
Disposal Site: **Mike's Sanitation Inc.**
Sludge wasted from: **Sludge Holding Tank**
How often is sludge wasted: **Sludge wasted from sludge return once a week**
Sludge drying beds: **No** Sludge holding tank: **Yes**

Overall maintenance of components is: **Good**

Comments/Status:

Sludge pumped from sludge holding tank once a year.

Plant Discharge

Discharge point is a: **Ditch**
Name of discharge point: **unnamed tributary of Bridge Creek**
Discharge is visible: **Yes** Quality of Effluent: **Clear**

Comments/Status:

None.

Permit #: 1PG00104*BD

NPDES #: OH0133621

Attached Summary of Findings / Comments

The WWTP is required to be operated by a Class A wastewater operator. Bill Marker is currently a Class I. Steve Crawford, a Class I wastewater operator, is also available as a backup operator. An Operator of Record Notification Form was submitted on September 13, 2010. However, this form was not signed by Bill Marker. Since then, Bill has also become a Class I wastewater operator. Based on these facts, a new form adding Bill Marker as the Operator of Record must be submitted. A copy of this form may be found at the following web link: <http://epa.ohio.gov/portals/28/documents/opcert/Operator of Record Notification Form.pdf>.

The WWTP serving this facility is constructed of concrete tanks and is between 30-40 years old. The current WWTP will need to be replaced sooner than later. The county is in the process of investigating the possibility of connecting the county home and jail to the City of Greenville's sanitary sewer. To do this, the county must work out an agreement with the city. Once this agreement is finalized, the county will then design and construct the new sewage system to connect to the city's sanitary sewer. This would most likely consist of a pump station and force main. The Ohio EPA strongly encourages the county to proceed with this construction as soon as possible.

A sign was required to be posted at the WWTP discharge location. This is addressed in Part II, Section L of the NPDES Permit. The county indicated that they just became aware of this recently, and the required sign would be installed in the next several months.

An operator log is maintained at the WWTP. However, this log was not a bound notebook with number pages. The county indicated that this would be provided in the next month.

A review of the DMRs for this facility indicated several NPDES Permit violations. The Darke County Criminal Justice Center has addressed these violations. Future violations must continue to be reported as required by the NPDES Permit as detailed in Part III.12 titled "Noncompliance Notification."

The NPDES Permit renewal application was required to be submitted 180 days prior to the expiration date of the permit or by October 31, 2012. The facility failed to submit this renewal application until November 26, 2012. Please ensure that future renewal applications are timely submitted.

The WWTP was designed for an average daily flow rate of 10,000 gpd. The WWTP flow rate is monitored with an elapse time meters for the surface sand filter dosing pumps. A review of the Discharge Monitoring Reports (DMRs) for October 2011 through December 2012 indicated that the average daily flow rate was 2080 gpd and the peak daily design flow rate was 9800 gpd.

Permit #: 1PG00104*BD
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The WWTP consists of a trash trap, aeration tank, a secondary clarifier, a dosing tank, two surface sand filters, a chlorine contact tank, and a dechlorination system. An aerated sludge holding tank is also provided

Sludge is hauled by the Mike's Sanitation and treated at their location. In 2011, 0.248 dry tons of sludge were hauled from the site.

A review of the DMRs indicated that the detection limits are being reported as a number. This is incorrect. Reporting code "AA" with the detection limit noted should be reported on the DMRs.

Permit #: 1PG00104*BD
NPDES #: OH0133621

Attachment I
Darke County Criminal Justice Center
Effluent Limit Violations for October 2011 through December 2012

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
August 2012	Fecal Coliform	Monthly	#/100ml	1000	2000
August 2012	CBOD5	Monthly	mg/l	10	32
August 2012	CBOD5	Weekly	mg/l	15	32
August 2012	Chlorine	Daily	mg/l	0.019	3.3
October 2012	CBOD5	Monthly	mg/l	10	17
October 2012	CBOD5	Weekly	mg/l	15	17