



State of Ohio Environmental Protection Agency

Southeast District Office

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

October 14, 2008

Re: Ross County
Union Heights Subdivision
Compliance Inspection
Correspondence (PWW)

Ross County Board of Commissioners
2 North Paint Street
Suite H, Courthouse
Chillicothe, Ohio 45601

Dear Commissioners:

On October 1, 2008, I conducted a Compliance Evaluation Inspection (CEI) at the Union Heights Subdivision's wastewater treatment facility. The purpose of the inspection was to determine the facility's compliance with the terms and conditions of NPDES permit #0PG00034*HD. Mr. Jeff Raines, plant operator with Pleasant Valley Regional Sewer District was present during the inspection.

As a result of my inspection, the following observations were made:

1. At the time of my inspection the new bar screen was providing effective filtering of the large solids and equalized flow was being diverted into each aeration treatment unit. Some moderate solids were accumulated on the bar screen which were removed during the inspection by Mr. Raines.
2. The two settling tanks were found to be clean with minimal scum on the surface and the weirs clean. The initial baffle in both settling tanks had a significant buildup of scum and solids which should be removed with the next load of digested sludge in the digester.
3. The sludge digester tank was observed in operation and was nearly half full with wasted sludge from the treatment plant. The sludge was being well aerated with a repaired air line and diffuser.
4. At the time of my inspection one sand filter was found to have been recently cleaned as two others had a moderate amount of dried sludge cake which is ready to be removed. Efforts should be made to immediately remove the dried solids from these two beds and divert flow to one of the newly cleaned beds. The filter bed currently in use had a significant sludge buildup as wastewater was pumped from the settling tanks with a temporary pump during an extended power outage.

5. Inspection of the chlorine contact tank showed the chlorine chamber to be supplied with chlorine tablets and the dechlorination chamber with adequate sodium bisulfide tablets to remove toxic levels of residual chlorine. The treated effluent was observed clear and free of any objectionable odors.

At the present time not all measures have been completed to address the identified sources of Infiltration and Inflow (I&I) in the collection system resulting in a marginal rating. Mr. Raines stated plans have been made to conduct some additional grouting and sealing of some identified sources of I&I within the collection system and records will be submitted upon completion. The current flow rates are reported based on water use records and efforts have been made to calculate the flow rates of the new dosing pumps which will enable accurate flows to be reported. Please provide documentation within **30** days upon receipt addressing the above referenced items. Enclosed is a copy of my detailed inspection report.

If you have any questions, please call me at (740) 380-5416.

Sincerely,



Jake Greuey
District Representative
Division of Surface Water

JJG/dh

Enclosure

- c: Kelly Shelton, Ross County Board of Commissioners
- c: Jeff Raines, Pleasant Valley Regional Sewer District
- c: Mark Mann, DSW, CO
- c: Bill Fischbein, DSW, CO

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0PG00034*HD	OH0059013	October 1, 2008	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Union Heights Subdivision WWTP S.R. 104 Chillicothe, Ohio	11:00 a.m.	June 1, 2008
	Exit Time	Permit Expiration Date
	11:35 a.m.	May 31, 2013

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Jeff Raines, Operator	(740) 775-4691
Name, Address and Title of Responsible Official	Phone Number
Ross County Board of Commissioners 2 North Paint Street Suite H, Courthouse Chillicothe, Ohio 45601	

C. AREAS EVALUATED DURING INSPECTION

<u> </u> S Permit	<u> </u> M Flow Measurement	<u> </u> -- Pretreatment
<u> </u> S Records/Reports	<u> </u> * Laboratory	<u> </u> S Compliance Schedules
<u> </u> S Operations & Maintenance	<u> </u> S Effluent/Receiving Waters	<u> </u> S Self-Monitoring Program
<u> </u> S Facility Site Review	<u> </u> S Sludge Storage/Disposal	<u> </u> Other
<u> </u> M Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

* Contract Laboratory Used and was not evaluated.
See attached letter.



Jake Greey, Inspector, Ohio EPA, Southeast District Office

10/14/08

Date



Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

10/14/08

Date