



**Environmental
Protection Agency**

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

Re: Richland County
Richland County Board of Commissioners
NPDES Permits

April 17, 2012

Mr. Richard Freeman
1740 Fleming Falls Road
Mansfield, Ohio 44903

Dear Mr. Freeman:

On April 5, 2012, inspections were conducted at several of the wastewater treatment plants (WWTPs) owned and operated by the Richland County Commissioners. You were present to answer questions and provide a tour of the different facilities. The facilities that were inspected included the Lust Subdivision, Harp Subdivision, Country Meadows Subdivision, Dayspring Care Facility, and Eastview WWTP.

During the inspection at Lust Subdivision, all components of the treatment system were in operation and functioning normally. The color of the aeration tanks was rich brown. A clear effluent was being discharged from the clarifiers. The surface sand filters were in use and were fairly clear of any dried sludge. Our office has approved a Permit to Install (PTI) application for abandonment of this treatment plant by tying into the City of Shelby sanitary sewer system. Mr. Freeman indicated that the construction contract has been awarded to Elite Excavating and work should take place and be completed by the end of summer 2012. The polishing pond at the site will be filled in as part of the project. The sludge in the bottom of the pond will be land applied before the pond is filled in. Land application of sludge is only allowed on Ohio EPA authorized sites. If additional sites are necessary, please be sure to contact our office as far in advance as possible.

During the inspection at Country Meadows Subdivision, all components were in operation and functioning normally. A clear effluent was being discharged. Our office has approved a PTI for abandonment of this treatment plant by tying into the City of Shelby sanitary sewer system. Mr. Freeman stated that Underground Utilities has been awarded the construction contract for this project. Construction activity is set to begin the week of April 16 with a completion date of July 2012.

During the inspection at the Dayspring Care Facility, the plant was in operation and functioning. The sand filter beds were both clean. A clear effluent was being discharged to the receiving stream. This plant continues to perform extremely well. A small leak in the south filter bed wall seam was evident. This leak should be repaired.

During the inspection at Harp Subdivision, all major treatment components were in operation and functioning. The color of the aeration tanks was a healthy chocolate brown. One of the sand filter beds was in use. A relatively clear effluent was being discharged to the receiving stream. It was noted that the block wall between the northern two filter beds had failed and crumbled into the lower sand bed. Only four of the six sand beds are available for use due to the failed wall. A large amount of thick green algae was present in the receiving stream

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downstream of the outfall pipe. The compliance schedule included in the NPDES permit for the facility required that a PTI for upgrades or abandonment be submitted no later than August 1, 2010. As of the date of this letter, our office has yet to receive the required application. In an email dated March 15, 2012, you indicated that the PTI application for this project will be submitted to our office shortly, and if the project continues on its current schedule, it will be complete by mid-2013.

During the inspection at the Eastview WWTP, all treatment units were in operation and functioning normally. A relatively clear final effluent was being discharged to the receiving stream. You indicated that you may try to take the outer orbital ring offline due to low influent flows. You stated that the plant effluent has not been as clear as desired and you were looking for ways to improve the treatment quality.

The discharge monitoring reports for all the facilities were reviewed for the period of April 2011 through February 2012. A printout of the limit violations for the plants is enclosed for your review. Failure to meet the limits contained in the NPDES permit is a violation of the conditions in the permit. You are currently in violation of the compliance schedules contained in the NPDES permits for Lust, Country Meadows, and Harp subdivisions. We urge the commissioners to continue working diligently to complete these projects as soon as possible.

If you have any questions, please call me at 419-373-3070.

Sincerely,



Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm

Enclosure

pc: Richland County Commissioners

ec: Inspection Tracking

Dayspring had no violations for the period of April 2011 through February 2012.

Eastview WWTP NPDES permit limit violations April 2011 through February 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PH00005*HD	October 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.06591	10/1/2011
2PH00005*HD	October 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.53667	10/1/2011

Lust subdivision NPDES permit limit violations April 2011 through February 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00077*ED	April 2011	001	00530	Total Suspended Solids	7D Qty	1.4	1.62149	4/1/2011
2PG00077*ED	April 2011	001	80082	CBOD 5 day	7D Qty	0.45	.56752	4/1/2011
2PG00077*ED	May 2011	001	00530	Total Suspended Solids	30D Qty	0.90	.93111	5/1/2011
2PG00077*ED	May 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.05	.10359	5/1/2011
2PG00077*ED	May 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.08	.10359	5/1/2011
2PG00077*ED	May 2011	001	80082	CBOD 5 day	30D Qty	0.30	.44228	5/1/2011
2PG00077*ED	September 2011	001	31616	Fecal Coliform	30D Conc	1000	1670.	9/1/2011
2PG00077*ED	December 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.13	.16504	12/1/2011
2PG00077*ED	December 2011	001	80082	CBOD 5 day	30D Qty	0.30	.36881	12/1/2011
2PG00077*ED	January 2012	001	80082	CBOD 5 day	30D Qty	0.30	.70568	1/1/2012
2PG00077*ED	January 2012	001	80082	CBOD 5 day	7D Qty	0.45	.68471	1/15/2012
2PG00077*ED	January 2012	001	80082	CBOD 5 day	7D Qty	0.45	1.11256	1/22/2012
2PG00077*ED	February 2012	001	80082	CBOD 5 day	30D Qty	0.30	.44864	2/1/2012
2PG00077*ED	February 2012	001	80082	CBOD 5 day	7D Qty	0.45	.75079	2/15/2012

Country Meadows subdivision NPDES permit limit violations April 2011 through February 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00074*CD	May 2011	001	00530	Total Suspended Solids	30D Conc	12	24.	5/1/2011
2PG00074*CD	May 2011	001	00530	Total Suspended Solids	7D Conc	18	90.	5/1/2011
2PG00074*CD	May 2011	001	00530	Total Suspended Solids	30D Qty	0.41	2.84715	5/1/2011
2PG00074*CD	May 2011	001	00530	Total Suspended Solids	7D Qty	0.61	11.1596	5/1/2011
2PG00074*CD	May 2011	001	80082	CBOD 5 day	30D Qty	0.34	.43013	5/1/2011
2PG00074*CD	May 2011	001	80082	CBOD 5 day	7D Qty	0.51	1.33916	5/1/2011
2PG00074*CD	May 2011	001	31616	Fecal Coliform	7D Conc	2000	4070.	5/22/2011
2PG00074*CD	June 2011	001	31616	Fecal Coliform	30D Conc	1000	1937.43	6/1/2011
2PG00074*CD	June 2011	001	31616	Fecal Coliform	7D Conc	2000	4380.	6/15/2011
2PG00074*CD	June 2011	001	50060	Chlorine, Total Residu	1D Conc	0.038	.08	6/21/2011
2PG00074*CD	August 2011	001	31616	Fecal Coliform	30D Conc	1000	1571.90	8/1/2011
2PG00074*CD	August 2011	001	31616	Fecal Coliform	7D Conc	2000	2177.	8/15/2011
2PG00074*CD	August 2011	001	00300	Dissolved Oxygen	1D Conc	5.0	4.2	8/16/2011
2PG00074*CD	October 2011	001	31616	Fecal Coliform	30D Conc	1000	1106.34	10/1/2011
2PG00074*CD	December 2011	001	00530	Total Suspended Solids	30D Qty	0.41	1.67448	12/1/2011
2PG00074*CD	December 2011	001	00530	Total Suspended Solids	7D Qty	0.61	4.52747	12/1/2011
2PG00074*CD	December 2011	001	80082	CBOD 5 day	30D Qty	0.34	.4165	12/1/2011
2PG00074*CD	December 2011	001	80082	CBOD 5 day	7D Qty	0.51	.73571	12/1/2011

Harp subdivision NPDES permit limit violations April 2011 through February 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00075*ED	April 2011	001	00530	Total Suspended Solids	30D Qty	1.8	3.60408	4/1/2011
2PG00075*ED	April 2011	001	00530	Total Suspended Solids	7D Qty	2.7	6.51323	4/1/2011
2PG00075*ED	April 2011	001	80082	CBOD 5 day	30D Qty	1.5	2.386	4/1/2011
2PG00075*ED	April 2011	001	80082	CBOD 5 day	7D Qty	2.3	2.36105	4/1/2011
2PG00075*ED	April 2011	001	00530	Total Suspended Solids	7D Qty	2.7	6.43147	4/22/2011
2PG00075*ED	April 2011	001	80082	CBOD 5 day	7D Qty	2.3	6.67265	4/22/2011
2PG00075*ED	May 2011	001	00530	Total Suspended Solids	30D Qty	1.8	2.53103	5/1/2011
2PG00075*ED	May 2011	001	00530	Total Suspended Solids	7D Qty	2.7	8.33911	5/1/2011
2PG00075*ED	May 2011	001	80082	CBOD 5 day	30D Qty	1.5	3.17878	5/1/2011
2PG00075*ED	May 2011	001	80082	CBOD 5 day	7D Qty	2.3	9.24252	5/1/2011
2PG00075*ED	May 2011	001	00300	Dissolved Oxygen	1D Conc	5.0	4.2	5/3/2011
2PG00075*ED	June 2011	001	00530	Total Suspended Solids	30D Conc	12.0	14.4	6/1/2011
2PG00075*ED	June 2011	001	00530	Total Suspended Solids	7D Conc	18.0	28.	6/8/2011
2PG00075*ED	June 2011	001	50060	Chlorine, Total Residu	1D Conc	0.038	.27	6/22/2011
2PG00075*ED	June 2011	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	6/24/2011
2PG00075*ED	July 2011	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	7/5/2011
2PG00075*ED	August 2011	001	50060	Chlorine, Total Residu	1D Conc	0.038	.07	8/12/2011
2PG00075*ED	August 2011	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	8/24/2011
2PG00075*ED	October 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.6	1.75767	10/1/2011
2PG00075*ED	October 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.4	3.42	10/1/2011
2PG00075*ED	November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.82	.90851	11/15/2011
2PG00075*ED	December 2011	001	00530	Total Suspended Solids	30D Conc	12.0	13.	12/1/2011
2PG00075*ED	December 2011	001	00530	Total Suspended Solids	30D Qty	1.8	5.33935	12/1/2011
2PG00075*ED	December 2011	001	00530	Total Suspended Solids	7D Qty	2.7	13.6396	12/1/2011
2PG00075*ED	December 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.55	1.00275	12/1/2011
2PG00075*ED	December 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.82	1.43216	12/1/2011
2PG00075*ED	December 2011	001	80082	CBOD 5 day	30D Qty	1.5	3.02293	12/1/2011
2PG00075*ED	December 2011	001	80082	CBOD 5 day	7D Qty	2.3	5.6507	12/1/2011
2PG00075*ED	December 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.82	1.45389	12/15/2011
2PG00075*ED	December 2011	001	00530	Total Suspended Solids	7D Conc	18.0	19.5	12/22/2011
2PG00075*ED	December 2011	001	00530	Total Suspended Solids	7D Qty	2.7	5.59518	12/22/2011
2PG00075*ED	January 2012	001	00530	Total Suspended Solids	30D Qty	1.8	1.95533	1/1/2012
2PG00075*ED	January 2012	001	80082	CBOD 5 day	30D Qty	1.5	2.07921	1/1/2012
2PG00075*ED	January 2012	001	00530	Total Suspended Solids	7D Qty	2.7	6.33609	1/22/2012
2PG00075*ED	January 2012	001	80082	CBOD 5 day	7D Qty	2.3	3.85445	1/22/2012
2PG00075*ED	February 2012	001	00530	Total Suspended Solids	7D Conc	18.0	24.	2/8/2012