



State of Ohio Environmental Protection Agency

Northwest District Office

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

Re: Richland County
Richland County Board of Commissioners
NPDES Permits

March 5, 2009

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

Dear Mr. Freeman:

On February 10, 2009, inspections were conducted at the wastewater treatment plants (WWTP) which are owned by the Richland County Commissioners. Lynn Miller was 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 the 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 ideal indicating a healthy colony of bacteria. The surface sand filters were being bypassed at the time of the inspection. A clear effluent was being discharged from the clarifiers. Ms. Miller indicated that it had been several years since the trash trap at the head of the plant had been pumped. It is recommended that the trash trap be pumped at least once/year. Flows at the treatment plant continue to exceed **10 times** the average daily design flow. Flow equalization facilities or plant abandonment by tying in to the Shelby sanitary sewer will be required as part of the next NPDES permit renewal which our office is currently drafting.

During the inspection at Harp Subdivision, the blowers to the treatment plant were not operating. Ms. Miller indicated that the blowers are turned off during periods of high flow in an attempt to keep the solids from "washing out" of the plant. The blowers were activated during the inspection for a short period in order to evaluate the plant operations. No major concerns were noted. The sand filters at this plant were also being bypassed for the same reason as at Lust. A slightly turbid effluent was being discharged to the receiving stream. Daily flows at this treatment plant have exceeded 0.120 MGD or **3 times** the average daily design flow. The plant was experiencing a high influent flow rate during the inspection. While it appears that the recent main grouting and manhole rehab has helped reduce the I/I into the sewer system, peak flows remain excessive. Flow equalization facilities or plant abandonment by tying in to the Mansfield sanitary sewer will be required as part of the next NPDES permit renewal which our office is currently drafting.

During the inspection at the Dayspring Care Facility the plant was in operation and functioning normally. The sand filters at this plant were not being bypassed. New grating had been placed over the EQ tanks as requested during our previous inspection. A clear effluent was being discharged to the receiving stream.

Mr. Richard Freeman
March 5, 2009
Page 2

A review of the operating reports showed only one violation of the limits contained in the NPDES permit for the Dayspring plant. This plant continues to run extremely well. Our office is currently working on drafting the renewal NPDES permit for this facility.

During the inspection at Country Meadows Subdivision the blowers to the treatment plant were not operating in anticipation of high flows. The blowers were activated for a short time and no major concerns with plant operations were noted. The sand filters were also being bypassed. It was noted that previous high flow rates had washed out the solids into the sand filter dosing station and the chlorine contact tank. Both of these tanks were odorous and septic. Both tanks should be pumped down and the solids returned to the treatment plant for further treatment. The operator should inspect these tanks after every rain event and if needed the solids should be pumped back to the aeration tanks. A slightly turbid effluent was being discharged. Flow rates at the plant can exceed almost nine (9) times the design flow rate. Please be aware that the NPDES permit for Country Meadows contains a compliance schedule for plant upgrades. The first milestone in the schedule is to submit a Permit to Install application to our office no later than August 1, 2009.

The final inspection of the day was made at the Eastview WWTP. At the time of the inspection all treatment units were running and appeared to be operating normally. The work on the discharge channel from the orbal had been completed. No further problems with sludge accumulating in the discharge channel have occurred. It was noted that the plant is still experiencing problems with fibrous material and trash accumulating on the valves and gates. The effluent discharge location was observed and a clear final effluent was being discharged. The plant continues to operate effectively with only one NPDES permit limit violation during the period reviewed.

The discharge monitoring reports for all the facilities were reviewed. A printout of the limit **violations** for the plants is attached for your review. Failure to meet the limits contained in the NPDES permit is a **violation** of the conditions in the permit. Continued non-compliance may lead to enforcement action.

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

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: DSW-NWDO File for Eastview, (Harp) Lust, Country Meadows, Dayspring w/enclosure
(5)
Richland County Commissioners w/enclosure

Lust Subdivision NPDES permit limit violations
February 2008 through January 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00077*DD	March 2008	001	80082	CBOD 5 day	30D Qty	0.30	.49599	3/1/2008
2PG00077*DD	March 2008	001	80082	CBOD 5 day	7D Qty	0.45	.49599	3/1/2008
2PG00077*DD	May 2008	001	80082	CBOD 5 day	30D Qty	0.30	.50893	5/1/2008
2PG00077*DD	May 2008	001	80082	CBOD 5 day	7D Qty	0.45	.50893	5/8/2008
2PG00077*DD	August 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	4.1	8/5/2008
2PG00077*DD	August 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	4.6	8/12/2008

Harp Subdivision NPDES permit limit violations
July 2008 through January 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00075*DD	July 2008	001	00530	Total Suspended Solids	30D Qty	1.8	2.01835	7/1/2008
2PG00075*DD	July 2008	001	00530	Total Suspended Solids	7D Qty	2.7	3.27024	7/1/2008
2PG00075*DD	August 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.09	8/6/2008
2PG00075*DD	August 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.09	8/7/2008
2PG00075*DD	August 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.09	8/19/2008
2PG00075*DD	October 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.06	10/27/2008
2PG00075*DD	December 2008	001	00530	Total Suspended Solids	30D Conc	12	14.	12/1/2008
2PG00075*DD	December 2008	001	00530	Total Suspended Solids	7D Conc	18	22.	12/8/2008
2PG00075*DD	December 2008	001	00530	Total Suspended Solids	7D Conc	18	24.	12/22/2008
2PG00075*DD	December 2008	001	80082	CBOD 5 day	7D Conc	15	17.5	12/22/2008
2PG00075*DD	January 2009	001	00530	Total Suspended Solids	30D Conc	12	13.5	1/1/2009
2PG00075*DD	January 2009	001	00530	Total Suspended Solids	7D Conc	18	20.	1/15/2009

Dayspring NPDES permit limit violations
July 2008 through January 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00114*AD	August 2008	001	31616	Fecal Coliform	30D Conc	1000	1303.	8/1/2008

Eastview NPDES permit limit violations
July 2008 through December 2008

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PH00005*GD	December 2008	001	00556	Oil and Grease, Freon	1D Conc	10.0	70.	12/11/2008

Country Meadows Subdivision NPDES permit limit violations
 February 2008 through January 2009

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00074*BD	February 2008	001	00530	Total Suspended Solids	30D Conc	12	27.	2/1/2008
2PG00074*BD	February 2008	001	00530	Total Suspended Solids	30D Qty	0.41	.45942	2/1/2008
2PG00074*BD	February 2008	001	00530	Total Suspended Solids	7D Conc	18	38.	2/8/2008
2PG00074*BD	February 2008	001	00530	Total Suspended Solids	7D Qty	0.61	.66449	2/8/2008
2PG00074*BD	March 2008	001	00530	Total Suspended Solids	30D Conc	12	20.	3/1/2008
2PG00074*BD	March 2008	001	00530	Total Suspended Solids	7D Conc	18	32.	3/1/2008
2PG00074*BD	March 2008	001	00530	Total Suspended Solids	30D Qty	0.41	2.28281	3/1/2008
2PG00074*BD	March 2008	001	00530	Total Suspended Solids	7D Qty	0.61	4.37485	3/1/2008
2PG00074*CD	August 2008	001	31616	Fecal Coliform	30D Conc	1000	1238.57	8/1/2008
2PG00074*CD	December 2008	581	31641	Fecal Coliform in Slud	1D Conc	2000000	3000000	12/12/2008
2PG00074*CD	December 2008	581	31641	Fecal Coliform in Slud	1D Conc	2000000	3000000	12/15/2008
2PG00074*CD	December 2008	581	31641	Fecal Coliform in Slud	1D Conc	2000000	2900000	12/17/2008
2PG00074*CD	January 2009	001	00530	Total Suspended Solids	30D Conc	12	26.25	1/1/2009
2PG00074*CD	January 2009	001	00530	Total Suspended Solids	7D Conc	18	50.	1/8/2009
2PG00074*CD	January 2009	001	00530	Total Suspended Solids	7D Qty	0.61	.63588	1/8/2009
2PG00074*CD	January 2009	001	80082	CBOD 5 day	7D Conc	15	15.4	1/8/2009
2PG00074*CD	January 2009	001	00530	Total Suspended Solids	7D Conc	18	22.	1/15/2009