



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 7, 2008

Richard Freeman
1740 Fleming Falls Road
Mansfield, Ohio 44903

Dear Mr. Freeman,

On February 21, 2008, inspections were conducted at the wastewater treatment plants (WWTP) which are owned by the Richland County Commissioners. You and Lynn Miller 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 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 the closest to ideal as seen in the past few years. The surface sand filters were being bypassed at the time of the inspection. Ms. Miller indicated that the filters were bypassed due to freezing problems created by the filters becoming clogged with sludge. Reduction in Inflow and infiltration (I/I) into the sewer system should prevent solids from washing out of the treatment plant and clogging the filters. Flows at the treatment plant continue to exceed **10 times** the average daily design flow. Flow equalization facilities and sewer system upgrades will be required as part of the next NPDES permit renewal for this facility.

During the inspection at Harp Subdivision, the treatment plant was operating and appeared to be functioning normally. Ms. Miller stated that the sand filters at this plant were also being bypassed for the same reason as at Lust. Daily flows at this treatment plant have exceeded 0.4 MGD or **10 times** the average daily design flow. The rusted flow diverter vane had been replaced as requested during our previous inspection. You indicated that a significant sewer grouting project was to be performed this coming spring in the Harp area. It is hoped that this grout work will help seal the sewers and prevent clean water from entering the system. Flow equalization facilities and sewer system upgrades will be required as part of the next NPDES permit renewal for this facility unless significant reductions in flow rates occur as a result of the grout work.

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. It was observed that the grating over the flow equalization tank was severely rusted. You indicated that the grating has been

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replaced once already since the plant was constructed. We discussed installing a heavy duty plastic grating instead of the aluminum in the future. A review of the operating reports showed no violations of the limits contained in the NPDES permit for the Dayspring plant.

During the inspection at Country Meadows Subdivision all major treatment units were in operation and appeared to be functioning normally. No major concerns with plant operations were noted. Our office has completed drafting the renewal NPDES permit for Country Meadows. You should be receiving a draft copy of the permit in the next few weeks. Please look the draft permit over and contact our office with any questions. A compliance schedule has been included to install flow equalization or tie into the City of Shelby.

We discussed the continued investigation by the Commissioners to possibly abandon the treatment plants at Lust and Country Meadows with pump stations to the City of Shelby. Our office encourages the Commissioners to move forward with this option in leu of upgrading the treatment plants. A compliance schedule will be included with the future NPDES permit for the Lust subdivision similar to the above mentioned Country Meadows schedule.

The final inspection of the day was made at the Eastview WWTP. At the time of the inspection all treatment units of the plant were running and appeared to be operating normally. No major concerns were noted. The effluent discharge location was observed and a clear final effluent was being discharged. The plant continues to operate effectively with no NPDES permit violations.

The monthly reports for all the facilities were reviewed for the time period of August 2007 through January 2008. 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

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Enclosed

~~pc:\NWDO\DSW\file for Eastview, Harp, Lust, Country Meadows, Dayspring~~
Richland County Commissioners

NPDES permit limit violations for Richland County owned treatment plants from August 1, 2007 through January 31, 2008.
 No limit violations occurred at the Dayspring or Eastview treatment plants.

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00077*DD	August 2007	001	31616	Fecal Coliform	30D Conc	1000	3600.	8/1/2007
2PG00077*DD	August 2007	001	31616	Fecal Coliform	7D Conc	2000	3600.	8/1/2007

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00074*BD	August 2007	001	00530	Total Suspended Solids	30D Conc	12	13.	8/1/2007
2PG00074*BD	August 2007	001	31616	Fecal Coliform	30D Conc	1000	1110.64	8/1/2007
2PG00074*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.102	.12829	8/22/2007
2PG00074*BD	January 2008	001	00530	Total Suspended Solids	30D Conc	12	26.	1/1/2008
2PG00074*BD	January 2008	001	00530	Total Suspended Solids	30D Qty	0.41	.48645	1/1/2008
2PG00074*BD	January 2008	001	00530	Total Suspended Solids	7D Conc	18	36.	1/15/2008
2PG00074*BD	January 2008	001	00530	Total Suspended Solids	7D Qty	0.61	.74398	1/15/2008

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00075*DD	August 2007	001	31616	Fecal Coliform	30D Conc	1000	1299.	8/1/2007
2PG00075*DD	August 2007	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	8/23/2007
2PG00075*DD	August 2007	001	50060	Chlorine, Total Residu	1D Conc	0.038	.06	8/28/2007
2PG00075*DD	August 2007	001	50060	Chlorine, Total Residu	1D Conc	0.038	.06	8/29/2007
2PG00075*DD	August 2007	001	50060	Chlorine, Total Residu	1D Conc	0.038	.06	8/31/2007
2PG00075*DD	September 2007	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	9/13/2007
2PG00075*DD	October 2007	001	00530	Total Suspended Solids	30D Qty	1.8	1.89345	10/1/2007
2PG00075*DD	October 2007	001	00530	Total Suspended Solids	7D Qty	2.7	2.83875	10/1/2007
2PG00075*DD	November 2007	001	80082	CBOD 5 day	30D Qty	1.5	1.62696	11/1/2007
2PG00075*DD	November 2007	001	00530	Total Suspended Solids	7D Qty	2.7	3.49734	11/22/2007
2PG00075*DD	November 2007	001	80082	CBOD 5 day	7D Qty	2.3	4.89628	11/22/2007
2PG00075*DD	December 2007	001	00530	Total Suspended Solids	30D Qty	1.8	7.40346	12/1/2007
2PG00075*DD	December 2007	001	80082	CBOD 5 day	30D Qty	1.5	4.20703	12/1/2007
2PG00075*DD	December 2007	001	00530	Total Suspended Solids	7D Qty	2.7	9.5382	12/8/2007
2PG00075*DD	December 2007	001	80082	CBOD 5 day	7D Qty	2.3	8.98181	12/8/2007
2PG00075*DD	December 2007	001	00530	Total Suspended Solids	7D Qty	2.7	9.62904	12/15/2007
2PG00075*DD	December 2007	001	80082	CBOD 5 day	7D Qty	2.3	3.97198	12/15/2007
2PG00075*DD	December 2007	001	00530	Total Suspended Solids	7D Conc	18	20.	12/22/2007
2PG00075*DD	December 2007	001	00530	Total Suspended Solids	7D Qty	2.7	10.4466	12/22/2007
2PG00075*DD	December 2007	001	80082	CBOD 5 day	7D Qty	2.3	2.71612	12/22/2007
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	30D Conc	12	31.	1/1/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Conc	18	36.	1/1/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	30D Qty	1.8	11.9965	1/1/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Qty	2.7	13.4897	1/1/2008
2PG00075*DD	January 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.55	.73774	1/1/2008
2PG00075*DD	January 2008	001	80082	CBOD 5 day	30D Conc	10	13.	1/1/2008
2PG00075*DD	January 2008	001	80082	CBOD 5 day	30D Qty	1.5	4.88662	1/1/2008
2PG00075*DD	January 2008	001	80082	CBOD 5 day	7D Qty	2.3	2.99772	1/1/2008

2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Qty	2.7	7.47159	1/8/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Conc	18	24.	1/15/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Qty	2.7	12.2634	1/15/2008
2PG00075*DD	January 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.82	1.99791	1/15/2008
2PG00075*DD	January 2008	001	80082	CBOD 5 day	7D Qty	2.3	6.84707	1/15/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Conc	18	50.	1/22/2008
2PG00075*DD	January 2008	001	00530	Total Suspended Solids	7D Qty	2.7	14.7615	1/22/2008
2PG00075*DD	January 2008	001	80082	CBOD 5 day	7D Conc	15	27.8	1/22/2008
2PG00075*DD	January 2008	001	80082	CBOD 5 day	7D Qty	2.3	8.20739	1/22/2008