



State of Ohio Environmental Protection Agency

Northeast District Office

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

November 16, 2009

RE: MAHONING COUNTY
SEMI-PUBLIC
SPRINGFIELD TOWNSHIP
DEER MEADOW ESTATES MHP
NPDES PERMIT NO. 3PV00090

Ms. Charolett Wells
Ohio Portfolio
4880 Dock Drive Unit #104
Ravenna, OH 44266

Dear Ms. Wells:

On September 18, 2009, this writer conducted a Compliance Evaluation Inspection (CEI) of the Deer Meadow Estates MHP located at 12921 Springfield Road. The intent of the inspection was to monitor operations and maintenance of the treatment plant.

It was explained by Dwayne Stull that the trash trap was cleaned earlier in the summer of 2009. At the time of the inspection, the treatment plant appeared to be in satisfactory condition. The aeration tank had good color and mixing. The return sludge was dark brown indicating a good population of the microbes necessary for treatment.

The clarifier was satisfactory; however, the water appeared to be slightly murky at the effluent weir. The effluent weir trough had sludge residue accumulated on the bottom. This may be the result of the current configuration of the sludge return trough that transports sludge to the head of the aeration tank. At the time of the inspection, sludge would overflow the return trough and discharge back to the surface of the clarifier near the discharge. It is recommended that the sides of the trough be raised in the area of the clarifier in order to prevent sludge from overflowing back into the clarifier.

As a result of a pump check for the filter dosing system, it was determined that the M2 dosing pump was not operational. It was agreed during the inspection that the pump would be checked and repaired as necessary. The sand filters were clean and free of weeds and sludge. Disinfection chemicals were in place as required until November 1st of each year. The effluent was clear and the receiving stream was also clear with no sludge deposits identified. It is recommended that the effluent pipe be fitted with an up-turned elbow to prevent the outlet from being submerged during rain events.

The Monthly Operating Reports for Deer Meadows MHP were reviewed for compliance with the NPDES Permit. The period of review was October 2007 through August 2009. Following are violations identified during the review period.

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Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2008	Chlorine Residual	1-Day Conc.	0.019	0.2	5/14/08
October 2008	Chlorine Residual	1-Day Conc.	0.019	0.12	10/8/08
February 2009	TSS	30-Day Conc.	12.0	15.0	2/1/09
March 2009	pH	1-Day Conc.	9.0	9.4	3/11/09
March 2009	pH	1-Day Conc.	9.0	9.2	3/25/09
May 2009	pH	1-Day Conc.	9.0	9.2	5/15/09
May 2009	pH	1-Day Conc.	9.0	9.1	5/27/09

You may contact this office at (330) 963-1251 to discuss any questions you may have regarding this inspection report.

Respectfully,



John Kwolek
District Engineer
Division of Surface Water

JK/mt

cc: Joe Mansky, Mahoning County Health Department