



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

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

June 28, 2007

RE: HOLMES COUNTY
MT. HOPE WWTP
NPDES #3PG00135

Mr. Jerry Galbraith, Director
Holmes County Environmental Management District
2 Court Street
Millersburg, OH 44654

Dear Mr. Galbraith:

On June 26, 2007, this office conducted a compliance evaluation inspection (CEI) of the Holmes County Mt. Hope Wastewater Treatment Plant (WWTP). Present during the inspection were this writer and Scott Watson, Holmes County Environmental Management District.

At the time of the inspection, the treatment system was producing a clear effluent that appeared to be of satisfactory quality.

The mixed liquor in the aeration tank had a very dark brown color, as the mixed liquor suspended solids is maintained at a concentration of approximately 4,500 mg/l. Some pin floc was noted in the clarifier. One surface sand filter bed was covered with solids, while the second bed was in good condition (See figure 1). The contents of the chlorine contact tank, which precedes the ultraviolet disinfection system, were clear.

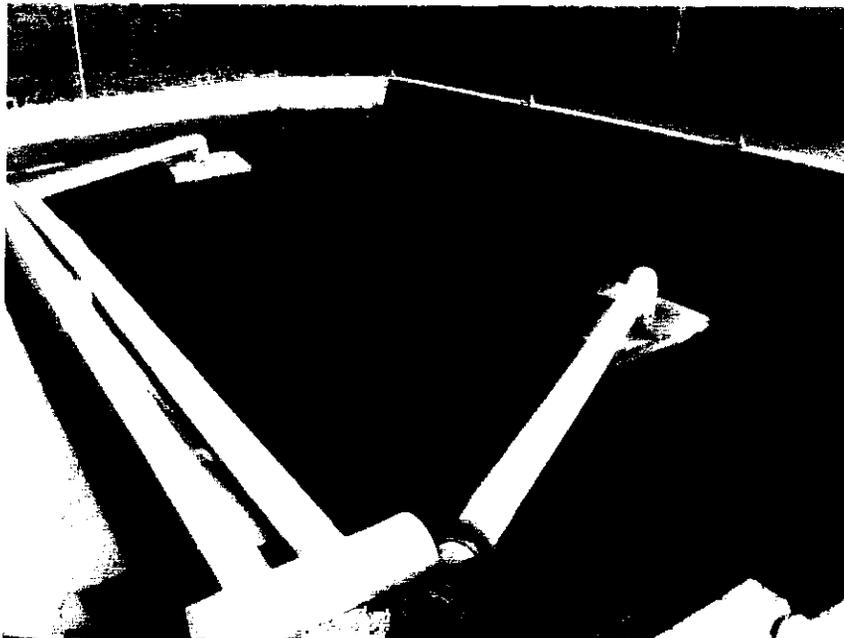


Figure 1 – Surface sand filter

During the inspection, Mr. Watson stated that this treatment system is still receiving a cellulose material in the influent. The trash trap is pumped once per week to address this problem. Mr. Watson also revealed that an influent ammonia concentration was 50 mg/l during the month of April 2007.

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A review of your self-monitoring reports covering the period September 2005 through May 2007 revealed the following effluent violations:

October 2005

| <u>Outfall</u> | <u>Date</u> | <u>Parameter</u> | <u>Reported</u> <u>Value</u> | <u>Units</u> | <u>Permit</u> <u>Limitation</u> |
|----------------|-------------|------------------|---------------------------------|--------------|------------------------------------|
| 001 | 30 day | Ammonia | 26.3 | mg/l | 3.6 |
| 001 | 30 day | Ammonia | 0.995 | kg/day | 0.3 |
| 001 | 7 day | Ammonia | 26.3 | mg/l | 5.4 |
| 001 | 7 day | Ammonia | 0.995 | kg/day | 0.45 |

March 2006

| <u>Outfall</u> | <u>Date</u> | <u>Parameter</u> | <u>Reported</u> <u>Value</u> | <u>Units</u> | <u>Permit</u> <u>Limitation</u> |
|----------------|-------------|------------------|---------------------------------|--------------|------------------------------------|
| 001 | 16 | pH | 6.4 | S.U. | 6.5 min |

April 2007

| <u>Outfall</u> | <u>Date</u> | <u>Parameter</u> | <u>Reported</u> <u>Value</u> | <u>Units</u> | <u>Permit</u> <u>Limitation</u> |
|----------------|-------------|------------------|---------------------------------|--------------|------------------------------------|
| 001 | 30 day | Ammonia | 33.8 | mg/l | 8.7 |
| 001 | 7 day | Ammonia | 33.8 | mg/l | 13 |

May 2007

| <u>Outfall</u> | <u>Date</u> | <u>Parameter</u> | <u>Reported</u> <u>Value</u> | <u>Units</u> | <u>Permit</u> <u>Limitation</u> |
|----------------|-------------|------------------|---------------------------------|--------------|------------------------------------|
| 001 | 30 day | Ammonia | 4.3 | mg/l | 3.6 |

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1197.

Sincerely,



Dean W. Stoll, P.E.
Environmental Engineer
Division of Surface Water

DWS/mt

cc: Scott Watson, Holmes County Environmental Management District