



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

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

September 24, 2007

RE: MAPLE DEL MANOR MHP
3PV00034
CHARLESTOWN
PORTAGE COUNTY

Mr. William Connell
President
Maple Del Manor
6333 Newton Falls Rd.
Charlestown, OH 44266

Dear Mr. Connell:

On September 13, 2007, this writer conducted a compliance evaluation inspection of the Maple Del Manor MHP Wastewater Treatment Plant.

The treatment works consist of a trash trap, flow equalization, 40,000-gpd extended aeration plant, rapid sand filters, sludge dewatering surface sand filters, and UV disinfection. Discharge is to an unnamed tributary to Hinkley Creek. Below you will find a summary of the inspection:

- 1) The aeration plant contained a nice chocolate brown color and was well aerated.
- 2) The clarifier is in need of attention. A floating matt of solids covered the entire surface. Solids have accumulated in the weir trough. The floating solids and the solids in the weir trough need to be removed as soon as possible.
- 3) The rapid sand filters inside the building appear to be working properly. The effluent being sent to the UV disinfection was clear.
- 4) The UV disinfection chamber also requires attention.
- 5) There is grass clippings and grass growing over the bulbs. The UV chamber must be cleared of all accumulated debris and kept clear.
- 6) The sludge drying beds contained weeds which must be removed and also kept clear.
- 7) There was no flow to the creek at the time of the visit.
- 8) It appears that there are overflow pipes in the sludge drying beds.

Pictures of the plant are attached for your reference.

Your compliance history for the time period of January 2005 through August 2007 revealed the following violations of your National Pollutant Discharge Elimination System (NPDES) permit:

Violations

<u>Violation Type</u>	<u>Outfall: Date: Reporting Code: Parameter: Frequency: Limit: Result</u>
Numeric Violation	001 Limit 2005-02-01 00530 Total Suspended Solids30D Conc 12 13.75
Numeric Violation	001 Limit 2005-02-01 00300 Dissolved Oxygen 1D Conc 6.0 5.8
Numeric Violation	001 Limit 2005-02-01 80082 CBOD 5 day 7D Conc 15 17.
Numeric Violation	001 Limit 2005-02-01 00530 Total Suspended Solids30D Qty 1.8 2.31831
Numeric Violation	001 Limit 2005-02-08 00530 Total Suspended Solids7D Qty 2.7 6.14684
Numeric Violation	001 Limit 2005-02-08 00530 Total Suspended Solids7D Conc 18 29.
Numeric Violation	001 Limit 2005-03-01 00300 Dissolved Oxygen 1D Conc 6.0 5.9

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<u>Violation Type</u>	<u>Outfall: Date: Reporting Code: Parameter: Frequency: Limit: Result</u>
Numeric Violation	001 Limit 2005-11-21 00300 Dissolved Oxygen 1D Conc 6.0 5.2
Frequency Violation	001 Freq 2005-11-22 00530 Total Suspended Solids1/Week 1 0
Frequency Violation	001 Freq 2005-11-22 80082 CBOD 5 day 1/Week 1 0
Frequency Violation	001 Freq 2005-11-22 00300 Dissolved Oxygen 1/Week 1 0
Frequency Violation	001 Freq 2005-11-22 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2006-02-08 00300 Dissolved Oxygen 1/Week 1 0
Frequency Violation	001 Freq 2006-02-08 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2006-02-08 80082 CBOD 5 day 1/Week 1 0
Frequency Violation	001 Freq 2006-02-08 00530 Total Suspended Solids1/Week 1 0
Numeric Violation	001 Limit 2006-04-15 00530 Total Suspended Solids7D Conc 18 20.
Frequency Violation	001 Freq 2006-06-01 00300 Dissolved Oxygen 1/Week 1 0
Frequency Violation	001 Freq 2006-06-01 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2006-06-01 80082 CBOD 5 day 1/Week 1 0
Frequency Violation	001 Freq 2006-06-01 00530 Total Suspended Solids1/Week 1 0
Numeric Violation	001 Limit 2006-08-15 00300 Dissolved Oxygen 1D Conc 6.0 5.7
Frequency Violation	001 Freq 2006-11-01 31616 Fecal Coliform 1/Month 1 0
Frequency Violation	588 Freq 2006-12-01 70318 Sludge Solids, Percent1/Month 1 0
Frequency Violation	001 Freq 2007-04-01 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2007-04-08 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2007-04-15 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2007-04-22 00400 pH 1/Week 1 0
Frequency Violation	001 Freq 2007-05-22 00300 Dissolved Oxygen 1/Week 1 0
Numeric Violation	001 Limit 2007-06-05 00300 Dissolved Oxygen 1D Conc 6.0 5.9
Numeric Violation	001 Limit 2007-07-10 00300 Dissolved Oxygen 1D Conc 6.0 5.5
Numeric Violation	001 Limit 2007-08-08 00610 Nitrogen, Ammonia (NH37D Conc 3 3.38
Numeric Violation	001 Limit 2007-08-08 00530 Total Suspended Solids7D Conc 18 19.
Numeric Violation	001 Limit 2007-08-08 00300 Dissolved Oxygen 1D Conc 6.0 5.4
Numeric Violation	001 Limit 2007-08-23 00300 Dissolved Oxygen 1D Conc 6.0 4.5

Our files do not include the noncompliance notifications that are required as outlined in Part III, Section 12 of the NPDES permit. This is a separate violation of your permit for each event. Please be advised that violations of your NPDES permit may subject you to a possible enforcement action to be initiated by this office in accordance with Ohio Revised Code 6111.

The following items concerning the wastewater plant need to be addressed:

- 1) Remove the weeds in the sludge drying beds and rake level. Dispose of dried sludge.
- 2) Confirm whether or not there are overflow pipes in the sludge drying beds. If so then they must be permanently capped if the overflows do not return to the head of the plant.
- 3) The reason for the floating solids in the clarifier must be determined and remedied. The weir trough is to be kept clean at all times.
- 4) The debris over the UV disinfection unit must be removed and kept clear.

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We request that you respond in writing to this office no later than October 5, 2007, with your intentions to resolve the above listed noncompliance and the 4 items listed.

If you should have any questions, feel free to contact this writer at (330) 963-1136.

Sincerely,

A handwritten signature in cursive script that reads "Philip P. Rhodes".

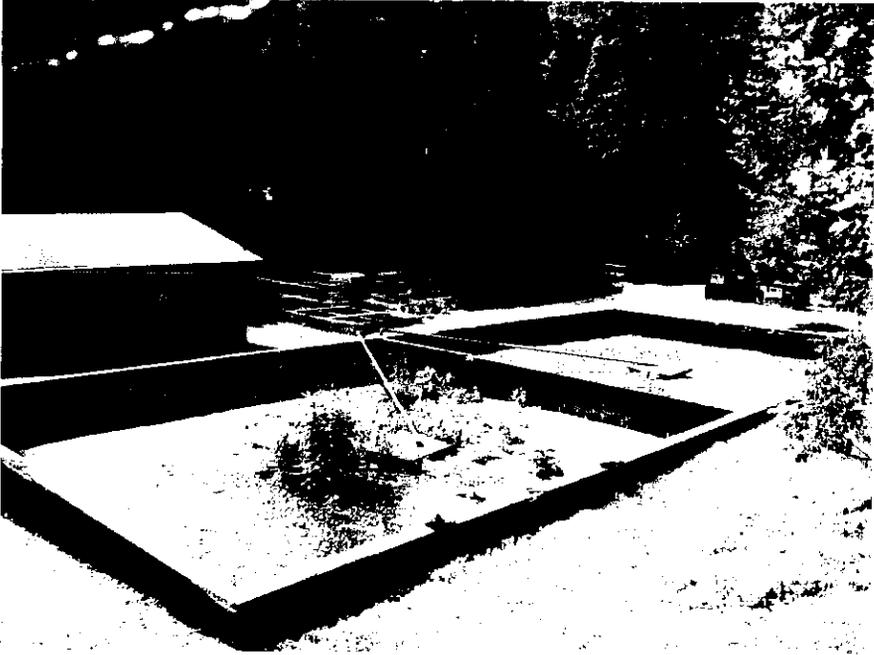
Philip P. Rhodes, P. E.
Environmental Engineer
Division of Surface Water

PPR/mt

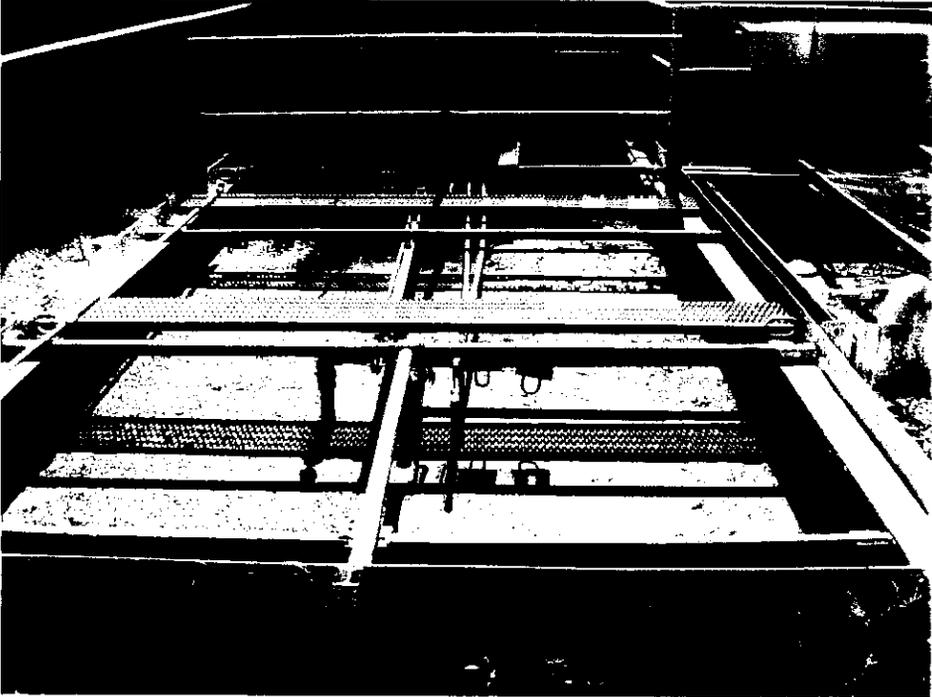
attachments

File: Semi-Public, Maple Del Manor Mobile Home Park

Sludge drying beds



Clarifier with floating solids



Clarifier weir trough containing solids



UV unit



Final discharge (small pipe on the right)

