



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

October 9, 2012

RE: TRUMBULL COUNTY
MESOPOTAMIA
SHIVELY LAND COMPANY
4300 KINSMAN RD.
NPDES PERMIT NO. 3IN00300

Mr. Edmund Collens
Shively Land Company
4300 Kinsman Road
Mesopotamia, Ohio 44439

Dear Mr. Collens:

On August 30, 2012, this writer conducted a compliance evaluation inspection (CEI) on the wastewater treatment plant (WWTP) serving the Shively Land Company building. The property is located at 4300 Kinsman Road, Mesopotamia.

The purpose of the August 30th inspection was to evaluate the WWTP's operation and maintenance condition, and compliance with its NPDES Permit to discharge. The last CEI conducted on the sewage system was on August 17, 2011.

At the time of the August 30th inspection, the following observations were made:

- 1) Contents of the trash trap were typical, and not in need of pumping.
- 2) The flow equalization tank was in use and was being aerated. Both submersible pumps in the equalization tank were in the 'AUTO' mode, and were operational when manually tested.
- 3) The extended aeration tank contents were well aerated, and were medium brown in color. The return sludge line was returning a lighter brown liquid from the settling tank to the aeration tank.
- 4) The sewage system is served by three blower/motors, of which two were in operation. One blower/motor was being used for the flow equalization tank, and one for the aeration tank. The third blower/motor was being kept as a standby. The high air pressure relief valves were operational when checked.
- 5) Contents of the settling tank were slightly turbid, and were a light yellowish brown in color. The effluent trough contained a light solids deposition, and the skimmer was not operating. **The solids in the effluent trough should be cleaned out, and the skimmer should be checked for proper operation.**
- 6) The sand filter dosing station pumps were in the 'AUTO' mode, and when manually tested, both were operational. The high water level alarm also functioned properly when manually tested.
- 7) The north cell of the surface sand filter was being utilized when dosing pumps were manually tested. Sand in both the north and south filter cells was raked level, and was free of solids and vegetation.

- 8) The tablet chlorination/dechlorination units were in use at the time of the inspection. Both are two tube units; all tubes and caps were present; and both units contained tablets.
- 9) The WWTP effluent was clear and visually free of solids, and is discharged to an onsite pond. Any overflow from the pond enters an unnamed tributary of Swine Creek.

A review was conducted of the electronic Discharge Monitoring Report (eDMR) data submitted monthly for the facility since the last inspection. During the period of August 1, 2011 through September 1, 2012, the Shively Land Company data revealed the following NPDES Permit effluent limit violations:

**SHIVELY LAND COMPANY
NPDES PERMIT NO. (3IN00300)
NUMERIC EFFLUENT VIOLATIONS
(AUG. 1, 2011 – SEP. 1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2011	Total Suspended Solids	30D Conc	12	14.	8/1/2011
August 2011	CBOD 5 day	30D Conc	10	13.	8/1/2011
August 2011	Chlorine, Total Residual	1D Conc	0.019	0.1	8/16/2011
December 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.87	12/1/2011
March 2012	Total Suspended Solids	30D Conc	12	13.	3/1/2012

The eDMR review also revealed the fact that data has not been submitted since April 2012. **Please be advised that non-reporting of required monthly discharge data is a violation of the NPDES permit, and can be cause for enforcement action.**

Please inform this office in writing, within fourteen days of the receipt of this correspondence, as to the reasons why the required monitoring and data reports have not been submitted.

Shively Land Company should address the above-outlined maintenance issues, and continue the implementation of operation and maintenance practices, which will enable the WWTP to consistently meet its NPDES Permit limits.

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/cs

cc: Trumbull County Health Department