

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

N070931503

FACILITY: CITY OF MT CLEMENS		SRN / ID: N0709
LOCATION: , MOUNT CLEMENS		DISTRICT: Southeast Michigan
CITY: MOUNT CLEMENS		COUNTY: MACOMB
CONTACT: Blair Selover , Regional Manager, F&V Operations		ACTIVITY DATE: 08/24/2015
STAFF: Samuel Liveson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: Self-initiated inspection of a minor source.		
RESOLVED COMPLAINTS:		

On August 24, 2015, Air Quality (MDEQ-AQD) staff conducted an unannounced, self-initiated, level 2 inspection of the City of Mount Clemens Wastewater Treatment Plant (MC-WWTP), located at 1750 Clara Street in Mount Clemens, Michigan. The purpose of this inspection was to determine the facility's compliance with the federal Clean Air Act, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

I arrived on site around 1:40 PM. I met with Mr. Blair Selover, Regional Manager of F&V Operations and Research Management. Mr. Selover provided a site walkthrough and explained operations. I provided Mr. Selover with my contact information and a copy of the pamphlet "DEQ Environmental Inspections: Rights and Responsibilities."

Background

In the late 80's the facility had Permit to Install (PTI) No. 8-84 for a flare and digester on site. This equipment was removed in 1989 and PTI No. 8-84 was voided in 2009. The facility currently operates under R 285(m).

Facility Walkthrough

There are three sewage pumps moving water through a 36 inch main pipe into the MC-WWTP. According to Mr. Selover, the facility receives about six million gallons of water per day. Once entering the facility, all processes are gravity-fed.

Automated grit screws remove grit and particulate from water. Water also travels through preliminary screening to remove other larger items from the wastewater.

Water travels through rectangular settling tanks before traveling to large open circular clarifiers for secondary treatment. Water travels through an aerobic, anoxic, and aerobic process. According to Mr. Selover, no anaerobic digestion occurs, and there is no flare associated with the process. No heat treatment occurs in the wastewater treatment process. All sludge collected from wastewater treatment is land-applied.

Water finally flows through a sand filter and undergoes ultraviolet treatment before being discharged north of the Clinton River. The wastewater treatment process appears to be exempt from permitting requirements per R 285(m).

The facility has one 896 horsepower diesel emergency generator that was installed in 1999. The engine is considered existing per 40 CFR Part 63 Subpart ZZZZ: National Emissions

Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. MDEQ-AQD has not accepted delegation to enforce this subpart.

Conclusion

Based on the AQD inspection, it appears that MC-WWTP is in compliance with the federal Clean Air Act, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

NAME

Adam J. [Signature]

DATE

9/29/15

SUPERVISOR

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