

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection

N698855530

FACILITY: Three Rivers Wastewater Treatment Plant		SRN / ID: N6988
LOCATION: 333 W Michigan Ave, THREE RIVERS		DISTRICT: Kalamazoo
CITY: THREE RIVERS		COUNTY: SAINT JOSEPH
CONTACT: Doug Humbert , Clean Water Plant Director		ACTIVITY DATE: 09/29/2020
STAFF: Chance Collins	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled Inspection		
RESOLVED COMPLAINTS:		

On September 29, 2020, AQD staff traveled to St. Joseph County to perform an inspection of City of Three Rivers Wastewater Treatment Plant to determine the facility's compliance with Permit to Install No. 189-01 and state and federal air pollution control regulations.

AQD staff arrived on site at 11:30 a.m. to cloudy conditions with a temperature of 57°F and a WSW wind of 8 mph. There were minor odors present that are generally associated with wastewater treatment plants and there were no visible emissions upon arrival.

AQD staff met with Doug Humbert (Plant Manager) who answered all questions and escorted staff around the facility.

The following discusses the results of the on-site inspection and review of records:

**Recordkeeping/Reporting/Notification:**

The facility performs daily/weekly/monthly/annual maintenance on all emission units. These logs were reviewed and were acceptable.

The facility is required to have submitted an acceptable preventative maintenance plan to AQD District Supervisor. This has been completed and was acceptable.

**FG-VENTURI**

Emission Unit: Venturi scrubber/condenser system control for the sludge dryer particulates.

This equipment has been removed from the facility since 2010. It was originally intended to be used during the winter months when the waste could not be land applied. The facility has been taking the waste to the landfill since the removal of the equipment.

**FG-BIOFILTER**

Emission Unit: Odor control for the auto-thermal aerobic digester (ATAD), sludge storage tank, centrifuge room and sludge dryer. (Sludge dryer removed in 2010).

The biofilter bed is currently filled with wood media and treats foul air from the ATAD tank, sludge storage tanks, and nitrification denitrification reactor. At end of life of the current wood media, Mr. Humbert stated that the wood media will be replaced by haydite.

**FG-CARBONSCRUBBER**

Emission Unit: Odor control for the sludge/septage well and pumps.

This equipment is used when trucks are unloading septage to the holding tanks. Carbon scrubber media is changed annually and is due to be changed in October 2020. The unit is inside a heated building because the carbon can not be allowed to freeze.

NAME


DATE 9/30/2020

SUPERVISOR

RIL 10/5/20