

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

B148635609

FACILITY: BAY CITY WASTEWATER TREATMENT PLANT		SRN / ID: B1486
LOCATION: 2905 N WATER ST, BAY CITY		DISTRICT: Saginaw Bay
CITY: BAY CITY		COUNTY: BAY
CONTACT: Paul Goergen , Maintenance Supervisor		ACTIVITY DATE: 07/20/2016
STAFF: Gina McCann	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Targeted inspection to determine compliance with active PTIs # 424-88A and 826-88.		
RESOLVED COMPLAINTS:		

I conducted a scheduled inspection at the City of Bay City WWTP. The WWTP has two active air permits with AQD, PTI 826-88 for storage silos with bin vent filters and PTI 424-88A for a dual fuel 3,000 backup power generator. PTI 424-88A is a Title V Opt-Out permit to limit NOx emissions.

I met with Mr. Paul Goergen, Maintenance Supervisor for the Bay City WWTP. We viewed the emergency power generator, which was not in operation. We also viewed the area where the lime storage silos were housed. The facility stopped using lime in the spring of 2014 and removed the storage bins in the fall of 2014. I verified that the storage bins were no longer on site and sent a permit void request on July 20, 2016.

Compliance Determination

PTI 424-88A-EUGENERATOR and FGFACILITY

The engine was not operating during the site visit. The generator is required to burn low sulfur diesel fuel (0.5% sulfur content). The diesel oil supplier certifies maximum sulfur content of 15 ppm. Mr. Goergen provided the certification for the last diesel delivery received on 6/29/2016, see attached. Since the generator is used in cases of emergency they only order diesel fuel every couple of years.

We viewed the engine operating hours, kilowatts generated, diesel fuel flow, and natural gas fuel meters. The meters are the source of readings taken for required reporting parameters. Mr. Goergen transfers the daily operating information onto a spreadsheet which performs required calculations for a 12-month rolling time frame.

A copy of the spreadsheet with the monthly operating hours, natural gas usage, distillate oil usage, and 12-month rolling NOx emissions for January 1, 2014 through December 31, 2015 are attached.

The facility reports to MAERS annually and the NOx emissions were 103.28 pounds and 227.20 pounds for 2015 and 2014 respectively.

The facility is also subject to the area source RICE MACT, but the Division does not currently have delegation over this regulation, therefore compliance was not determined. At the time of my inspection BC WWTP was in compliance with the requirements in the opt-out permit and air quality regulations.

NAME Gina L. McCann DATE 7/20/2016 SUPERVISOR C. Gore