

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

K215340694

FACILITY: Marquette Branch Prison		SRN / ID: K2153
LOCATION: 1960 U.S. Highway 41 South, MARQUETTE		DISTRICT: Upper Peninsula
CITY: MARQUETTE		COUNTY: MARQUETTE
CONTACT: Sean Sundholm , Physical Plant Supervisor		ACTIVITY DATE: 07/13/2017
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection to determine compliance with PTI 112-15		
RESOLVED COMPLAINTS:		

On July 13, 2017 I (Sydney Bruestle) performed an onsite inspection of Marquette Branch Prison located at 1960 U.S. Highway 41 South Marquette, MI. Joe Scanlan accompanied me during the inspection. We arrived onsite around 1:30 pm E.T. and met with Sean Sundholm, Physical Plant Supervisor at Marquette Branch Prison.

Marquette Branch Prison holds a PTI (PTI 112-15) with the Michigan Department of Environmental Quality, Air Quality Division for three natural gas boilers and two emergency generators. Boiler number one is used in the winter, boiler number two is the winter back up boiler, and boiler number three is used exclusively in the summer months. Boiler one and two are rated at 33.43 MMBtu and boiler three is rated at 9.55 MMBtu/hr. All three boilers are able to operate on fuel oil. The facility is maintaining records of daily, monthly, and annual natural gas usage for the boilers. There is no natural gas limit in the PTI, the facility is in compliance with the record keeping and reporting requirements (records were reviewed onsite).

Marquette Branch Prison installed a new emergency generator in March 2017. They replaced the two permitted fuel oil generators. The new generator has the following specs (The new generator has a lower HP than each of the replaced generators):

Manufacturer: Generac

Date manufactured: March 2017

Engine Model number: GTA352AIDV

Engine Horsepower: 652 hp

Engine Serial number: 10288590522715

Engine spec sheet is attached to the hard file copy of this report.

The new emergency generator has only been operated for 24.4 hours total and contains a non resettable hour meter.

The facility was not able to provide a certification spec sheet for the fuel oil used in the emergency generators and boilers. They received the oil 17 years ago and have not had to reorder. There is a sulfur content limit in the PTI of 0.05 percent by weight. To document the facility is meeting this limit I am requiring a fuel sampling analysis of sulfur content. I sent a request letter to Sean Sundholm on July 18, 2017. Results will be added to the hard file when AQD receives them (by August 18, 2017).

At the time of my inspection it appeared Marquette Branch Prison was in compliance with PTI 112-15 and all other applicable state and federal air quality regulations

NAME Sydney Bruestle

DATE 07/20/17 SUPERVISOR Edt