

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

B280639997

FACILITY: DTE - Electric Company SUPERIOR		SRN / ID: B2806
LOCATION: 6000 FIRST ST, SUPERIOR TWP		DISTRICT: Jackson
CITY: SUPERIOR TWP		COUNTY: WASHTENAW
CONTACT: Joseph Neruda , Environmental Specialist		ACTIVITY DATE: 05/18/2017
STAFF: Brian Carley	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Scheduled inspection		
RESOLVED COMPLAINTS:		

Facility Contact: Joe Neruda  
Phone: 313-212-3949  
Email: [nerudaj@dteenergy.com](mailto:nerudaj@dteenergy.com)

I arrived at the facility and met with Joe Neruda of DTE Energy to conduct an inspection to determine the compliance with ROP #MI-ROP-B2806-2013. The Detroit Edison Superior Peaking Facility has four oil-fired combustion turbines rated at approximately 19 MW each. These units are only used when DTE Energy requires more power to the electrical grid or for maintenance purposes. The last time a unit was run was Unit 1 which was run on May 10, 2017 for 30 minutes. Unit 4 is currently being torn apart and will be rebuilt.

This facility was not operating at the time of the inspection. Joe provided me with the monthly totals of fuel usage for Calendar Years 2015 and 2016 and for the time period of January, 2017 through April, 2017, which were 485.6 gallons, 81,422 gallons, and 617 gallons, respectively (see attached). This is in compliance with SC VI.1 which requires that they record their monthly fuel usage. They get the monthly usage for each unit and compile the usage totals at their headquarters in Detroit. He also handed me a copy of the Fuel Oil Supply Agreement that contains fuel specifications of the fuel that they use (see attached). They are using ultra-low sulfur diesel fuel that has a sulfur content of 15 ppm (0.0015%), which is well below their limit of 1.5% sulfur by weight per SC II.1. DTE's analysis that was provided with the Fuel Oil Supply Agreement shows it is higher than the 15 ppm (0.015 to 0.030 % weight) but is still significantly lower than their ROP limit. This is due to having older fuel still in the storage tank and with more ultra-low sulfur diesel being added to the tank it should continue to drop to the sulfur content in the Fuel Oil Supply Agreement (see attached email from Joe Neruda).

They have recently submitted their ROP renewal application for this facility and have proposed a new table to be added to the ROP. The new table will cover a 300 HP black start engine which is used to start Unit 1. This is subject to 40 CFR 63 Subpart ZZZZ as an area source. They told me that they are in compliance with the requirements of this MACT.

Based on the inspection, annual and semi-annual certifications, and MAERS submittals, I determined that they are in compliance with their ROP. I thanked Joe for his time and left.

NAME

Brian Carley

DATE

4/5/17

SUPERVISOR

J