

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

N778637782

FACILITY: DTE PONTIAC NORTH, LLC		SRN / ID: N7786
LOCATION: 824 SAINT CLAIR STREET, PONTIAC		DISTRICT: Southeast Michigan
CITY: PONTIAC		COUNTY: OAKLAND
CONTACT: Donald Januszek , Env. Health & Safety Manager		ACTIVITY DATE: 12/01/2016
STAFF: Francis Lim	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT:		
RESOLVED COMPLAINTS:		

DTE Pontiac North, LLC, SRN: B7786, located at 824 St. Clair Street, Pontiac Michigan is scheduled for inspection for fiscal year 2017. This facility previously operated three natural gas fired boilers and a coal-fired fluidized bed boiler that operates a turbine electric generator. This facility is not considered an electric utility because the electrical generator does not have the capacity to generate electricity for sale of more than 25 MW.

On December 1, 2016, I talked with Rob Sanch, Environmental Supervisor regarding the status of the facility. Rob verified that the power plant, including all boilers have been permanently shutdown for several years. Rob also explained that the lease (from GM) for the facility will expire on January 10, 2017. At this time, DTE will not renew the lease. He does not know whether GM wants the Renewable Operating Permit (ROP-MI-N7786-2013) transferred to them. The AQD will be informed about this decision.

Facility Overview

Previously, this facility was a part of and operated by the GM Pontiac North Campus. DTE Pontiac North, LLC. leased the facility from GM; this included three natural gas fired converted stoker boilers and one coal-fired circulating fluidized bed boiler with limestone injection for control of sulfur dioxide emissions and fabric filter for particulate emission control.

The three natural gas-fired boilers: Boiler Nos.6, 7, and 8, were last operated in 2010 and while they remain on-site, they have been permanently shut down. These boilers produced 150 psi saturated steam for GM.

The coal-fired boiler, Boiler No. 9, last operated in 2009 and while it remains on-site has been permanently shut down since September 2012. This boiler produced 1450 psi superheated steam to operate the electrical turbine generator. Only Boiler 9 is connected to a turbine.

From previous staff reports, it appears that the boilers are nitrogen blanketed to prevent corrosion.

In 2012, DTE submitted a Permit-to-Install application (158-12) to convert Boiler No. 9 from coal-fired to woody biomass-fired. On July 30, 2013, after considering discussions regarding the use of railroad ties as fuel and reviewing the draft permit language (which included Commercial/Industrial Solid Waste Incinerators Regulations and a fugitive dust plan), DTE withdrew their permit application.

ROP No. MI-ROP-N7786-2013

The ROP was issued on December 9, 2013. It was reissued on June 16, 2016 to replace Boiler 9 CAIR ROP conditions and CAIR Permits with the Transport Rule (CSAPR) conditions

and requirements.

The ROP contains permit conditions for Boiler Nos. 6, 7, 8, and 9, a flexible group for cold cleaners, and Transport Rule Requirements. The ROP includes conditions for Boiler 9 to comply with the Transport Rule SO₂ Group 1 Trading Program, Transport Rule NO_x Annual Trading Program, and Transport Rule NO_x Ozone Trading Program.

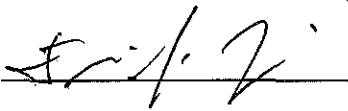
Since all boilers were permanently shut down, the ROP requires DTE to obtain a Permit to Install before operating any equipment on site. DTE keeps the ROP since they might want to use the facility for netting purposes for future projects.

DTE continues to submit Annual/Semi Annual Reports, Excess Emission Reports, and yearly MAERS reports; each report notes zero emissions.

Additional Federal Regulations

DTE Pontiac North is a Major Source of HAPs, therefore, Boilers 6, 7, 8, and 9 are subject to the Maximum Achievable Control Technology Standards for Industrial, Commercial, and Institutional Boilers and Process Heaters promulgated in 40 CFR, Part 63, Subparts A and DDDDD. Note that Boiler 9 is subject to the Boiler MACT since even though the generator supplies steam to an electric generator, Boiler 9 is not considered an electric utility boiler.

NAME



DATE

12-2-16

SUPERVISOR

