

## DTE Gas Company, Milford Compressor Station

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### 1. Name of the facility

- DTE Gas Company, Milford Compressor Station

### 2. Location

- 3515 Childs Lake Road, Milford, Michigan

### 3. Distance from the US/Canada border

- Approximately 20 km

### 4. Type/size of the facility

- Boilers 5, 6, 7,8, and 9 are 90 MW each

### 5. Source of emissions

- Four (4,000hp) natural gas fired combustion internal combustion engines that drive natural gas compressors. Proposing to install five new combustion turbines (10,504hp each turbine) to drive compressors. A new natural gas emergency generator (1506kw). Two small boilers (6MMBtu/hr) for heating.

### 6. Type of fuel

- Natural gas

### 7. Type/quantity of mass emission rates

- Expected decreases after modification:  
None
- Expected increases after modification:  
CO 165.2 tpy  
Nox 103.8  
PM 20.4 tpy  
SO2 5.8  
VOC16.3  
H2SO4 0.1  
PM10 25.7 tpy

PM2.5 25.7 tpy

GHG (as CO<sub>2</sub>e) 203,593 tpy

8. Emission control technology

- Dry low-NO<sub>x</sub> and emission limit of 15ppm at 15% O<sub>2</sub> for NO<sub>x</sub> for combustion turbines; low-NO<sub>x</sub> burner and emission limit of 0.05lb/MMBtu for auxiliary boilers; 1g/HP-hr and limited annual operation for NO<sub>x</sub> limit on emergency generator. Good engineering technology for PM emissions. GHG BACT 440 tons CO<sub>2</sub>e 12-month rolling average.

9. Date permit application received

- October 20, 2015

10. Stack height and diameter

- 106 feet (32 meters)

11. Permit agency's contact name, address, telephone number

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