

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> DTE Gas Company - Willow Run Compressor Station	<b>SRN :</b> N7421
<b>Location :</b> 3020 East Michigan Avenue	<b>District :</b> Jackson
	<b>County :</b> WASHTENAW
<b>City :</b> YPSILANTI <b>State:</b> MI <b>Zip Code :</b> 48198	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Zachary Durham
<b>FCE Begin Date :</b> 1/1/2017	<b>FCE Completion Date :</b> 7/25/2018
<b>Comments :</b> FCE of PCE	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
07/25/2018	ROP Other	Compliance	EUTURBINE 1 Startup Notification (PTI #44-16A). Satisfies SC VII.1 and VII.2 for construction and startup of the turbine unit. Initial startup was July 10, 2018.
06/20/2018	Stack Test Observation	Compliance	Engine testing on EUENGINE1 for PTI 246-07. Includes testing for CO control efficiency, total NMOC, and NOx.
06/20/2018	Scheduled Inspection	Compliance	Scheduled inspection of PTIs 246-07 and 44-16A. Note: This facility is now subject to Title V and must submit a complete ROP application by April 25, 2019.
06/13/2018	NSPS (Part 60)	Compliance	Revised initial startup submittal for EUEMGRICE1 for PTI 44-16A. Initial notification indicated EUEMGRICE1 was started on 12/11/17, however, operation did not commence until 6/8/18. Confirms operation as non-certified engine. Submitted per SC VII.2 of EUEMGRICE1 for PTI 44-16A.
05/21/2018	ROP Other	Compliance	Notification of construction completion for EURICE1-3 as required by SC VII.1 and VII.4 for FGENGINES in PTI 44-16A. Also notes that the engines have begun trial operations as of April 25, 2018. All engines will be operated in a non-certified manner.

Activity Date	Activity Type	Compliance Status	Comments
05/21/2018	NSPS (Part 60)	Compliance	Notification of Commencing Construction and Notice of Actual Start-up for three (3) 14 MMBtu/hr and one (1) 13 MMBtu/hr natural gas, indirect-fired line heaters. PTI 44-16A did not include these conditions requiring this NSPS Subpart Dc notice, which the company now believes is required.
03/21/2018	MAERS	Compliance	ROP Cert received 3-15-18. The facility submitted this ROP Certification, but currently has an opt-out PTI. This facility will be required to submit an ROP application due to new equipment being installed.
03/21/2018	MACT (Part 63)	Compliance	Annual certification in accordance with 63.6650 for engines subject to MACT ZZZZ. No deviations reported.
03/21/2018	MACT (Part 63)	Compliance	Semi-annual certification in accordance with 63.6650 for engines subject to MACT ZZZZ. No deviations reported.
01/11/2018	NSPS (Part 60)	Compliance	Report indicates the emergency engine in EUEMGRICE1 will be operated as a non-certified engine. This submittal satisfies S.C. VII.2 of EUEMGRICE1 as required by NSPS JJJJ.
12/19/2017	ROP Other	Compliance	FGNOX Notification (PTI 44-16A) Construction of Emission Units SVMODHTR1 thru SVMODHTR7 have been completed. Satisfies S.C. VII.1 of FGNOX.
11/14/2017	ROP Other	Compliance	Initial Notification completion of installation & Startup for EUBOILER 1, 2, & 3.
10/20/2017	ROP Other	Compliance	Initial Notification completion of installation & startup for EUBOILER4. As required by FGBLRMACT S.C VII.1 and requirements of 40 CFR 63 Subpart DDDDD 63.7545(c).
10/20/2017	ROP Other	Compliance	Completion of construction of the EUEMRICE1. Submitted per PTI 44-16 S.C. VII.1 of EUEMRICE1.
09/14/2017	MACT (Part 63)	Compliance	Semi Annual Mact Cert for 40 CFR Part 63.6650 and Special Condition 1.18 of PTI 246-07. No deviations listed in the report.

Activity Date	Activity Type	Compliance Status	Comments
08/10/2017	Stack Test	Compliance	Emissions Test Report for Carbon Monoxide (CO) Emissions, Part 63 Subpart ZZZZ, Unit 1. Reported average CO destruction efficiency of 99.1% from Unit 1. This is greater than the permit limit minimum destruction efficiency of 93%.
06/28/2017	Stack Test Observation	Compliance	Stack testing for Engine 1 identified in PTI 246-07. Testing consisted of three 15-minute runs to test for CO destruction efficiency through the catalyst.
06/26/2017	NSPS (Part 60)	Compliance	Emergency Engine Initial Notification report required by Special Condition VII.3 for EUEMGRICE1 for PTI 44-16A. This EU is required to notify within 30 days of commencing construction, which began on May 25, 2017. This report is considered timely. The engine information is as follows: Make - Caterpillar, Model - G3516B, Engine Family - GCPXB51.8CZL, Serial Number - ZBC01004, Model Year - 2017, Maximum Engine Power - 1818 bhp, Engine Displacement - 69.0 in <sup>3</sup> . This natural gas-fired engine is equipped with Low NOx technology consisting of a turbo charger and after cooler.
06/21/2017	Other	Compliance	PTI 44-16A has been approved as of June 15, 2017. PTI 44-16 has been voided. A telephone conversation with Kelly Guertin indicated that PTI 44-16A may need to be further modified. The installation of this equipment will require that the facility submit an initial ROP application within 12 months of commencing trial operations.
05/31/2017	MAERS	Compliance	ROP CERT FOR MAERS 2016, 3-15-17. MAERS audit completed.
03/24/2017	ROP Other	Compliance	MAERS 2016 Cert. Submitted electronically.

Activity Date	Activity Type	Compliance Status	Comments
03/06/2017	Other	Compliance	Received application for modification to PTI 44-16 for installation of 7 comfort heaters rated at 125,000 btu/hr instead of 8 @ 60,000 btu/hr. Waiver requested was granted on 2/22/17 (see NSR Waiver tab) under Rule 1413 for Clean Corporate Citizens.
02/03/2017	MACT (Part 63)	Compliance	Semi Annual and Annual Reports Pursuant to 40 CFR 63.6650. No deviations from PTI 246-07 S.C. 1.18 were reported. Fuel usage reported with an average heating value of 1,042 BTU/scf. 116 starts and stops recorded during the reporting period.
01/19/2017	ROP Other	Compliance	Turbine Notification PTI44-16; EUTURBINE1 has commenced construction.
01/18/2017	Other Non ROP	Compliance	Notification of Installation and Startup for EUILHTR1 & EUILHTR4. This equipment is covered in PTI 44-16.
01/18/2017	ROP Other	Compliance	Notification of Installation: FGENGINES. For 3 natural gas-fired RICE equipped with oxidation catalysts as identified in PTI 44-16. DTE received an installation waiver for this equipment prior to the issuance of PTI 44-16
01/09/2017	MACT (Part 63)	Compliance	Notification of installation completion and initial startup of EUILHT 2 & 3 under FGBLRMACT. Appears acceptable.

Name:

Fack Durbin

Date:

7/26/18

Supervisor:

CM