

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> DTE Gas Company - Belle River Compressor Station	<b>SRN :</b> B6478
<b>Location :</b> 5440 PUTTYGUT RD.	<b>District :</b> Southeast Michigan
	<b>County :</b> SAINT CLAIR
<b>City :</b> CHINA <b>State:</b> MI <b>Zip Code :</b> 48054	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Joe Forth
<b>FCE Begin Date :</b> 4/19/2016	<b>FCE Completion Date :</b> 6/3/2019
<b>Comments :</b> DTE Belle Rivers Mills Compressor Station appears to be in compliance with Renewable Operating Permit (ROP) No. MI-ROP-B6478-2016 and all applicable air regulations.	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
04/30/2019	MAERS	Compliance	MAERS Certification form received March 15, 2019. Approved compliant April 30, 2019
12/19/2018	Scheduled Inspection	Compliance	On-site inspection
11/13/2018	Release Reports	Compliance	<p>Good afternoon Ms. Zhu,</p> <p>I am amending the notification sent by me on Sunday, November 4 (email notification below). The total amount vented to the atmosphere changed from 3 MMSCF to 18.3 MMSCF. Additional pipeline needed to be vented in order to minimize safety risk associated with this procedure. The additional venting of 15.3 MMSCF took place today, November 8, 2018 between 10:00AM and 1:00PM. Please let me know if you have any questions or need anything else.</p> <p>Thanks,</p> <p>Joe Kotwicki   DTE Energy Environmental Specialist Environmental Management and Resources Mobile: 810-300-6750 joseph.kotwicki@dteenergy.com</p>

Activity Date	Activity Type	Compliance Status	Comments
11/05/2018	Release Reports	Compliance	<p>The AQD received the following text via email:</p> <p>Good morning Ms. Zhu,</p> <p>I am notifying you of a planned natural gas venting event for DTE Gas Company. The venting is scheduled for Wednesday, November 7, 2018 at approximately 12:00 PM. The venting will occur at Belle River Mills Compressor Station (address below) in order to perform construction activities.</p> <p>DTE Gas Company, Belle River Mills Compressor (Permit Number: MI-ROP-B6478-2016) 5440 Puttygut Rd., China, MI 48054</p> <p>Total volume of natural gas to be vented: 3 MMSCF (estimated)</p> <p>This venting will be performed in a manner to assure the safety of the employees, the public, and minimize impacts to the environment.</p> <p>Please let me know if you have any questions or require further information.</p> <p>Thanks, Joe Kotwicki   DTE Energy Environmental Specialist Environmental Management &amp; Resources Mobile 810-300-6750 Email joseph.kotwicki@dteenergy.com</p>

Activity Date	Activity Type	Compliance Status	Comments
10/19/2018	Release Reports	Compliance	<p>I am notifying you of a planned natural gas venting event for DTE Gas Company. This venting will occur at DTE's Belle River Compressor Station in order to perform pipeline maintenance/construction activities. The venting will occur Monday, October 22, 2018 at approximately 11:00AM.</p> <p>DTE Gas Company Belle River Compressor Station (MI-ROP-B6478-2016) 5440 Puttygut Road China, MI 48054 Anticipated Venting Volume: 1.2 MMSCF</p> <p>This venting will be performed in a manner to assure the safety of the employees, the public, and minimize impacts to the environment.</p> <p>Please let me know if you have any questions or require further information.</p>
09/28/2018	Stack Test	Compliance	Emissions Compliance Testing Report, Z-330 Unit 4 and 5.
09/17/2018	ROP Semi 1 Cert	Compliance	Zero deviations reported.
09/17/2018	ROP Other	Compliance	Permittee reported there were no deviations from the emission limitations or operating limitations associated with subpart ZZZZ requirements. There were no periods during which the CPMS was out of control during the reporting period associated with subpart ZZZZ requirements.
08/06/2018	Telephone Notes	Compliance	August 6, 2018, CONFIRMATION OF CURRENT ENVIRONMENTAL CONTACT.

Activity Date	Activity Type	Compliance Status	Comments
06/11/2018	Stack Test	Compliance	<p>ROP Emissions Test Report EUTURBINE1 (Unit 6) NOx Emissions Testing on April 24, 2018.</p> <p>Test Results:</p> <p>Turbine Load (Gas Producer Speed): 103%  NOx Concentration (ppm @ 15% O2): 5.4  Permit Limit (ppm@ 15% O2): 25.0</p> <p>Turbine Load (Gas Producer Speed): 98%  NOx Concentration (ppm @ 15% O2): 5.7  Permit Limit (ppm@ 15% O2): 25.0</p> <p>Turbine Load (Gas Producer Speed): 93%  NOx Concentration (ppm @ 15% O2): 9.4  Permit Limit (ppm@ 15% O2): 25.0</p> <p>CONCLUSION: Executive summary results appear to indicate compliance.</p>

Activity Date	Activity Type	Compliance Status	Comments
04/23/2018	Other Non ROP	Compliance	<p>Notification of Construction for a Permit Exempt Indirect-Fired Heater Subject to 40 CFR Part 60 Subpart Dc notifications requirements as outlined in section 60.48c(a) and section 60.7.</p> <p>The source placed and order on March 29, 2018, for a 17.9 MMBtu/hr. natural gas, indirect-fired heater. Notice states that the heater will be exempt from Michigan's permit to install requirements [per R 336.1282(2)(b)(1)].</p> <ol style="list-style-type: none"> <li>1. Design input of the affected facility: 17.9 MMBtu/hr.</li> <li>2. No federally enforceable requirements that limit the annual capacity factor for any fuel or mixture of fuels under sections 6.042c and 60.43c.</li> <li>3. Anticipated annual capacity: Approximately 33%.</li> <li>4. Technology used for controlling SO2 emissions is not applicable because the unit is natural gas-fired and does not have3 emission limits under 40 CFR Part 60 Subpart Dc.</li> </ol> <p>NOTE: Construction is defined in section 60.2. Purchase order was issued March 29, 2018.</p> <p>Installation is expected to be completed by October 2018.</p>
03/23/2018	ROP Other	Compliance	MAERS Certification form.

03/22/2018	MACT (Part 63)	Compliance	<p>See activity report CA_B647843764 for more detail. The following is an abbreviated summary:</p> <ul style="list-style-type: none"> <li>• Process unit Information, emission limitations, and operating parameter limitations (40 CFR 63.7550(c)(5)(ii).</li> <li>• Existing Unit in the 40 CFR 63.7499(l) Sub-category: Units designed to burn gas 1 fuels.</li> </ul> <p>-----</p> <p>EUE36LINEHTR – East 36" line heater</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: Annual (13 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Date of tune-up: 10/17/2017</li> <li>o Date of burner inspection: 8/1/2017.</li> </ul> </li> </ul> <p>-----</p> <p>EUW36LINEHTR – West 36" line heater</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: Annual (13 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Date of tune-up: 10/17/2017</li> <li>o Delayed as allowed in 40 CFR 63.7540(a)(10)(i).</li> </ul> </li> </ul> <p>-----</p> <p>EU24LINEHTR – 24" line heater</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: Biennial (25 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Date of tune-up: 10/17/2017</li> <li>o Delayed as allowed in 40 CFR 63.7540(a)(10)(i).</li> </ul> </li> </ul> <p>-----</p> <p>EUSUGHTR – South Union Gas Heater</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: Biennial (25 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Date of tune-up: 10/17/2017</li> <li>o Delayed as allowed in 40 CFR 63.7540(a)(10)(i).</li> </ul> </li> </ul> <p>-----</p> <p>EUNUGHTR – North Union Gas Heater</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: Biennial (25 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Date of tune-up: 10/17/2017</li> <li>o Delayed as allowed in 40 CFR 63.7540(a)(10)(i).</li> </ul> </li> </ul> <p>-----</p>
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03/22/2018	MACT (Part 63)	Compliance	<p>EUHMOGHTR – Hot Medium Oil Heater</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: Biennial (25 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Delayed as allowed in 40 CFR 63.7540(a)(10)(i)</li> <li>o Delayed as allowed in 40 CFR 63.7540(a)(13).</li> </ul> </li> </ul> <p>-----</p> <p>EUBATHHTR – Bath Heater South of Refrigeration Plant</p> <ul style="list-style-type: none"> <li>• Tune Up Frequency: 5 years (61 months).</li> <li>• Most recent tune-up per 63.7550 (c)(5)(xiv): <ul style="list-style-type: none"> <li>o Date of tune-up: 10/17/2017</li> <li>o Date of burner inspection: 10/17/2017.</li> </ul> </li> </ul> <p>-----</p> <p>This report appears to indicate compliance.</p>
03/22/2018	Other	Compliance	<p>Review of Compliance Report for 40 CFR Part 63 Subpart DDDDD, also known as the industrial boiler MACT.</p>
03/21/2018	ROP SEMI 2 CERT	Compliance	<p>Deviation 1: EUDEHY thermocouple was not calibrated or verified during the 2017 calendar year as required by the site monitoring plan.</p> <p>Deviation 2: EUREGEN thermocouple was not calibrated or verified during the 2017 calendar year as required by the site monitoring plan.</p> <p>Deviation 3: Did not give advanced notification of planned venting event over 1 MMSCF.</p> <p>Note: AQD may issue a violation notice if permittee repeats any of the above deviations.</p>

Activity Date	Activity Type	Compliance Status	Comments
03/21/2018	ROP Annual Cert	Compliance	<p>Deviation 1: EUDEHY thermocouple was not calibrated or verified during the 2017 calendar year as required by the site monitoring plan.</p> <p>Deviation 2: EUREGEN thermocouple was not calibrated or verified during the 2017 calendar year as required by the site monitoring plan.</p> <p>Deviation 3: Did not give advanced notification of planned venting event over 1 MMSCF.</p> <p>Note: AQD may issue a violation notice if permittee repeats any of the above deviations.</p>
03/21/2018	ROP Other	Compliance	<p>Report certification stated, "There were no deviations from the emission limitations or operating limitations associated with subpart ZZZZ requirements." And, "There were no periods during which the CPMS was out of control during the reporting period associated with subpart ZZZZ requirements."</p>
12/12/2017	Complaint Investigation	Compliance	Notification of gas venting



Activity Date	Activity Type	Compliance Status	Comments
11/29/2017	Release Reports	Compliance	<p>Good Afternoon Ms. Zhu,</p> <p>I am notifying you of a planned natural gas venting event for DTE Gas Company which occurred yesterday, November 27, 2017 at approximately 2:15 PM. The venting occurred at DTE's Belle River Mills Compressor Station and Columbus Compressor Station in order to perform valve replacement activities.</p> <p>The physical addresses of the two venting locations are:</p> <p>DTE Gas Company, Belle River Mills Compressor (Permit Number: MI-ROP-B6478-2016) 5440 Puttygut Rd., China, MI 48054</p> <p>DTE Gas Company, Columbus Compressor (Permit Number: MI-ROP-B6480-2012d) 1647 Caughill Rd., Columbus, MI 48063</p> <p>Total volume of natural gas vented: 10.5 MMSCF (estimated)</p> <p>This venting was performed in a manner to assure the safety of the employees, the public, and minimize impacts to the environment.</p> <p>Please let me know if you have any questions or require further information.</p> <p>Joe Kotwicki   DTE Energy Environmental Specialist Environmental Management and Resources Mobile: 810-300-6750 joseph.kotwicki@dteenergy.com</p>

Activity Date	Activity Type	Compliance Status	Comments
09/29/2017	Stack Test	Compliance	<p>EMISSION TEST RESULTS INDICATE COMPLIANCE WITH EMISSION LIMITS.</p> <p>Emissions Test Report, EU017 (#4 z-330) NOx, CO, and NMOC  NOx = 2.4 g/hp-hr.; Limit = 3.0 g/hp-hr.  CO = 1.6 g/hp-hr.; Limit = 3.0 g/hp-hr.  NMOC = non-detect.; Limit = 1.0 g/hp-hr.</p> <p>Emissions Test Report, EU018 (#5 z-330) NOx, CO, and NMOC  NOx = 2.2 g/hp-hr.; Limit = 3.0 g/hp-hr.  CO = 1.9 g/hp-hr.; Limit = 3.0 g/hp-hr.  NMOC = non-detect.; Limit = 1.0 g/hp-hr.</p>
09/15/2017	ROP Semi 1 Cert	Compliance	Zero deviations reported.
09/15/2017	ROP Other	Compliance	Permittee reported there were no deviations from the emission limitations or operating limitations associated with subpart ZZZZ requirements. There were no periods during which the CPMS was out of control during the reporting period associated with subpart ZZZZ requirements.
06/20/2017	Stack Test	Compliance	ROP Emissions Test Report EUTURBINE1, EUTURBINET70, EUTURBINEC50. Emission test summary indicates compliance with NOx and CO limits.
05/11/2017	ROP Other	Compliance	MAERS Certification form. Audit complete.
03/28/2017	ROP Annual Cert	Compliance	One venting on natural gas greater than 1 mmcf occurred on 4/5/2016. The responsible department was retrained on the notification requirement. A violation notice does not appear warranted at this time.
03/28/2017	ROP SEMI 2 CERT	Compliance	The deviation report indicates the date of occurrence was 4/5/2016, which is in the semi-annual 1 reporting period. Therefore, the deviation report indicates zero deviations during the semi-annual 2 period.
03/22/2017	MAERS	Compliance	MAERS Report Submission.

Activity Date	Activity Type	Compliance Status	Comments
10/21/2016	Stack Test	Compliance	Test Report for NOx, CO, and NMOC Emissions testing on Z330 Engine 5. NOx (g/hp-hr.): 2.0 / limit = 3.0. CO (g/hp-hr.): 1.6 / limit = 3.0. NMOC (g/hp-hr.): 0.4 / limit = 1.0.
09/22/2016	ROP Semi 1 Cert	Compliance	One venting on natural gas greater than 1 mmcf occurred on 4/5/2016. The responsible department was retrained on the notification requirement. A violation notice does not appear warranted at this time.
08/24/2016	Stack Test Observation	Compliance	Emissions test observation.
08/16/2016	Stack Test	Compliance	Z330 #4: NOx, CO, NMOC emission test. Emission testing summary results appear to indicate compliance with permitted emission limits.
06/16/2016	Other	Compliance	King Road hydrocarbon condensate tank labeling.
04/27/2016	Release Reports	Compliance	PEAS INCIDENT NUMBER: 14468. Unplanned emergency natural gas venting event which occurred at the DTE Gas Company Belle River Compressor Station (MI-ROP-B6478-2016) on 4/27/2016 at approximately 10:30 AM. It is estimated that 4.5 MMSCF was vented to the atmosphere. This venting occurred due to an emergency repair that needed to be made on a yard valve. The station will resume normal operation once the yard valve has been repaired.
04/19/2016	ROP R215 Notification	Compliance	New emergency generator installed for the control room and associated office building. Engine is exempt from state regulation per R285(g), but is subject to 40 CFR Subpart JJJJ regulation. New engine is EPA certified by the manufacturer.

Name: *J. M. Felt* Date: 6-3-19 Supervisor: *SJK*  
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