



Michigan Department of Environmental Quality  
Air Quality Division

EFFECTIVE DATE: August 18, 2008

REVISION DATE: November 23, 2010

ISSUED TO:

DTE Pontiac North, LLC.

State Registration Number (SRN): N7786

LOCATED AT:

824 St. Clair St., Pontiac, Michigan 48340

### **RENEWABLE OPERATING PERMIT**

Permit Number: MI-ROP-N7786-2008a

Expiration Date: August 17, 2013

Administratively Complete ROP Renewal Application Due Between  
February 16, 2012, and February 15, 2013

This Renewable Operating Permit (ROP) is issued in accordance with and subject to Section 5506(3) of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Pursuant to Michigan Air Pollution Control Rule 210(1), this ROP constitutes the permittee's authority to operate the stationary source identified above in accordance with the general conditions, special conditions and attachments contained herein. Operation of the stationary source and all emission units listed in the permit are subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

### **SOURCE-WIDE PERMIT TO INSTALL**

Permit Number: MI-PTI-N7786 - 2008

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(5) of Act 451. Pursuant to Michigan Air Pollution Control Rule 214a, the terms and conditions herein, identified by the underlying applicable requirement citation of Rule 201(1)(a), constitute a federally enforceable PTI. The PTI terms and conditions do not expire and remain in effect unless the criteria of Rule 201(6) are met. Operation of all emission units identified in the PTI is subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

Michigan Department of Environmental Quality

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Teresa Seidel, Southeast Michigan District Supervisor

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## **AUTHORITY AND ENFORCEABILITY**

For the purpose of this permit, the **permittee** is defined as any person who owns or operates an emission unit at a stationary source for which this permit has been issued. The department is defined in Rule 104(d) as the Director of the Michigan Department of Environmental Quality (MDEQ) or his or her designee.

The permittee shall comply with all specific details in the permit terms and conditions and the cited underlying applicable requirements. All terms and conditions in this ROP are both federally enforceable and state enforceable unless otherwise footnoted. Certain terms and conditions are applicable to most stationary sources for which an ROP has been issued. These general conditions are included in Part A of this ROP. Other terms and conditions may apply to a specific emission unit, several emission units which are represented as a flexible group, or the entire stationary source which is represented as a source-wide group. Special conditions are identified in Parts B, C, D and/or the appendices.

In accordance with Rule 213(2)(a), all underlying applicable requirements will be identified for each ROP term or condition. All terms and conditions that are included in a Permit to Install (PTI), are streamlined or subsumed, or are state-only enforceable will be noted as such.

In accordance with Section 5507 of Article II, Chapter 1, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, the permittee has included in the ROP application a compliance certification, a schedule of compliance, and a compliance plan. For applicable requirements with which the source is in compliance, the source will continue to comply with these requirements. For applicable requirements with which the source is not in compliance, the source will comply with the detailed schedule of compliance requirements that are incorporated as an appendix in this ROP. Furthermore, for any applicable requirements effective after the date of issuance of this ROP, the stationary source will meet the requirements on a timely basis, unless the underlying applicable requirement requires a more detailed schedule of compliance.

Issuance of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

## A. GENERAL CONDITIONS

### Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**
- Those conditions that are hereby incorporated in a state-only enforceable Source-wide Permit to Install (PTI) pursuant to Rule 201(2)(d) are designated by Footnote 1. **(R 336.1213(5)(a), R336.1214a(5))**
- Those conditions that are hereby incorporated in federal enforceable Source-wide PTI No. MI-PTI-N7786- pursuant to Rule 201(2)(c) are designated by Footnote 2. **(R 336.1213(5)(b), R 336.1214a(3))**

### General Provisions

1. The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Article II, Chapter 1, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (EPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state only" are not enforceable by the EPA or citizens pursuant to the CAA. **(R 336.1213(1)(a))**
2. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP. **(R 336.1213(1)(b))**
3. This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rules 215 and 216. **(R 336.1213(1)(c))**
4. The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities **(R 336.1213(1)(d))**:
  - a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.
  - c. Inspect, at reasonable times, any of the following:
    - i. Any stationary source.
    - ii. Any emission unit.
    - iii. Any equipment, including monitoring and air pollution control equipment.
    - iv. Any work practices or operations regulated or required under the ROP.
  - d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.
5. The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed

by the permittee to be confidential, consistent with the requirements of 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the EPA together with a claim of confidentiality. **(R 336.1213(1)(e))**

6. A challenge by any person, the Administrator of the EPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP. **(R 336.1213(1)(f))**
7. The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451. **(R 336.1213(1)(g))**
8. This ROP does not convey any property rights or any exclusive privilege. **(R 336.1213(1)(h))**

### Equipment & Design

9. Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**
10. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**

### Emission Limits

11. Except as provided in subrules 2, 3, and 4 of Rule 301, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of Rule 301(1)(a) or (b) unless otherwise specified in this ROP. The grading of visible emissions shall be determined in accordance with Rule 303. **(R 336.1301(1) in pertinent part):**
  - a. A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity.
  - b. A limit specified by an applicable federal new source performance standard.
12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
  - a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property. **<sup>1</sup>(R 336.1901(a))**
  - b. Unreasonable interference with the comfortable enjoyment of life and property. **<sup>1</sup>(R 336.1901(b))**

### Testing/Sampling

13. The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1). **(R 336.2001)**
14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**
15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(4))**

## Monitoring/Recordkeeping

16. Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate **(R 336.1213(3)(b))**:
  - a. The date, location, time, and method of sampling or measurements.
  - b. The dates the analyses of the samples were performed.
  - c. The company or entity that performed the analyses of the samples.
  - d. The analytical techniques or methods used.
  - e. The results of the analyses.
  - f. The related process operating conditions or parameters that existed at the time of sampling or measurement.
17. All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP. **(R 336.1213(1)(e), R 336.1213(3)(b)(ii))**

## Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. **(R 336.1213(3)(c))**
19. A responsible official shall certify to the appropriate District Office of the AQD and the EPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate District Office of the AQD pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The EPA address is: US EPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, IL, 60604. **(R 336.1213(4)(c))**
20. The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP. **(R 336.1213(4)(c))**
21. The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP **(R 336.1213(3)(c))**:
  - a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).
  - b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.
  - c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.

22. For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following **(R 336.1213(3)(c))**:
  - a. Submitting a certification by a responsible official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
  - b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete. The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.
23. Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate District Office of the AQD. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports. **(R 336.1213(3)(c)(i))**
24. On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department. **(R 336.1212(6))**
25. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate District Office of the AQD. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a responsible official in a manner consistent with the CAA. **(R 336.1912)**

## Permit Shield

26. Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance, if either of the following provisions is satisfied **(R 336.1213(6)(a)(i), R 336.1213(6)(a)(ii))**:
  - a. The applicable requirements are included and are specifically identified in the ROP.
  - b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source.

Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.
27. Nothing in this ROP shall alter or affect any of the following:
  - a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the EPA under Section 303 of the CAA. **(R 336.1213(6)(b)(i))**
  - b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. **(R 336.1213(6)(b)(ii))**
  - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. **(R 336.1213(6)(b)(iii))**

- d. The ability of the EPA to obtain information from a source pursuant to Section 114 of the CAA. **(R 336.1213(6)(b)(iv))**
28. The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following:
  - a. Operational flexibility changes made pursuant to Rule 215. **(R 336.1215(5))**
  - b. Administrative amendments made pursuant to Rule 216(1)(a)(i)-(iv). **(R 336.1216(1)(b)(iii))**
  - c. Administrative amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. **(R 336.1216(1)(c)(iii))**
  - d. Minor permit modifications made pursuant to Rule 216(2). **(R 336.1216(2)(f))**
  - e. State-only modifications made pursuant to Rule 216(4) until the changes have been approved by the department. **(R 336.1216(4)(e))**
29. Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action. **(R 336.1217(1)(c), R 336.1217(1)(a))**

## Revisions

30. For changes to any process or process equipment covered by this ROP that does not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215. **(R 336.1215, R 336.1216)**
31. A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1). **(R 336.1219(3))**
32. For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216. **(R 336.1210(9))**
33. Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable. **(R 336.1216(1)(c)(3), R 336.1216(2)(d), R 336.1216(4)(d))**

## Reopenings

34. A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances:
  - a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. **(R 336.1217(2)(a)(i))**
  - b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. **(R 336.1217(2)(a)(ii))**
  - c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. **(R 336.1217(2)(a)(iii))**
  - d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements. **(R 336.1217(2)(a)(iv))**

## Renewals

35. For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP. **(R 336.1210(7))**

## Stratospheric Ozone Protection

36. If the permittee is subject to 40 CFR Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimer, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.
37. If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.

## Risk Management Plan

38. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the EPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under Part 68 do not limit in any way the general duty provisions under Section 112(r)(1).
39. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of Part 68 no later than the latest of the following dates as provided in 68.10(a):
- June 21, 1999,
  - Three years after the date on which a regulated substance is first listed under 68.130, or
  - The date on which a regulated substance is first present above a threshold quantity in a process.
40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.
41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c)). **(40 CFR Part 68)**

## Emission Trading

42. Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the EPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216. **(R 336.1213(12))**

### Permit To Install (PTI)

43. The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule. <sup>2</sup>(R 336.1201(1))
44. The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA. <sup>2</sup>(R 336.1201(8), Section 5510 of Act 451, PA 1994)
45. The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, MDEQ. <sup>2</sup>(R 336.1219)
46. If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months, or has been interrupted for 18 months, the applicable terms and conditions from that PTI shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, MDEQ, AQD, P. O. Box 30260, Lansing, MI 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI. <sup>2</sup>(R 336.1201(4))

#### **Footnotes:**

<sup>1</sup>This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## **B. SOURCE-WIDE CONDITIONS**

Part B outlines the source-wide terms and conditions that apply to this stationary source. The permittee is subject to these special conditions for the stationary source in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply to this source, NA (not applicable) has been used in the table. If there are no source-wide conditions, this section will be left blank.

### C. EMISSION UNIT CONDITIONS

Part C outlines terms and conditions that are specific to individual emission units listed in the Emission Unit Summary Table. The permittee is subject to the special conditions for each emission unit in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no conditions specific to individual emission units, this section will be left blank.

#### EMISSION UNIT SUMMARY TABLE C

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-COLDCLEANER	Cold Cleaners that are exempted by Rule 281	1/1/1989	FGCOLDCLEANER
EU-BOILER6	Natural gas-fired Boiler No. 6	1/1/1969/ 4/1/1996	NA
EU-BOILER7	Natural gas-fired Boiler No. 7	1/1/1969/ 6/1/1995	FG-BHB7-8
EU-BOILER8	Natural gas-fired Boiler No. 8	1/1/1969/ 6/1/1995	FG-BHB7-8
EU-BOILER9	Circulating fluidized bed coal-fired boiler	8/1/1984/ 6/1/1995	NA

**EU-BOILER6**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Natural gas-fired Boiler No. 6 with a capacity of 201.9 MMBTU per hour.

Flexible Group ID:

**POLLUTION CONTROL EQUIPMENT**

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	19.2 pounds <sup>2</sup>	hourly	EU-BOILER6	V	(R336.1201(3))
2. NOx	0.10 pounds/ MM BTUs heat input <sup>2</sup>	24-hour average	EU-BOILER6	VI. 3	(R336.1201(3)) & 40CFR Part 60, 60.44b (a)
3. CO	30.7 pounds <sup>2</sup>	hourly	EU-BOILER6	V	(R336.1201(3))
4. CO	0.16 pounds/ MM BTUs heat input <sup>2</sup>	24-hour average	EU-BOILER6	VI. 3	(R336.1201(3))

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of 5 years. (R 336.1213(3)(b)(ii))

- The permittee shall conduct NOx and CO emissions tests for Boiler No. 6 every five years as long as the permit remains valid. The NOx and CO emission tests shall be performed within one year after the issuance of this permit.

(R336.1213(3))

2. The compliance tests shall be conducted to demonstrate compliance with the NOx and CO hourly limits. The stack testing shall be conducted while operating at 100 percent capacity. **(R336.1213(3))**
3. The permittee shall use methods 7 and 10, as specified in Appendix A, 40 CFR 60, or equivalent method as approved by the AQD **(R336.2004)**
4. A stack testing plan shall be submitted to the district supervisor no less than 60 days prior to testing. **(R336.1213(3))**
5. The permittee shall submit a complete test report of the test results to the district supervisor within 60 days after completing the test. **(R336.2001(4))**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of 5 years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall conduct and log all routine and scheduled preventative maintenance activities for the boiler. **(R336.1213(3))**
2. The permittee shall not burn any fuel other than pipeline quality natural gas in boiler No. 6.<sup>2</sup> **(R336.1201(3))**

See Appendices {3, 4, and/or 7}

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. Report shall be received by appropriate AQD district office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. Report shall be received by appropriate AQD district office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
SV-BOILER-6	72	96	<b>(R336.1201(3))</b>

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup>This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**EU-BHB9  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Circulating fluidized bed coal-fired boiler no. 9 with a capacity of 443 MMBTU per hour. Natural gas is used as fuel during start-up and shutdown, coal is used the rest of the time.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

Boiler cyclone and baghouse & limestone and ash handling system bughouses

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Particulate	0.05 pounds/ MM BTUs heat input <sup>2</sup>	instantaneous	BHB9	V. 6, .& VI 1, 2, 3	<b>40CFR60.43b(a)</b>
2. Particulate	0.03 grains/ dry standard cubic foot of exhaust gases	instantaneous	Ash silo	V. 6, .& VI 1, 2, 3.	<b>R336.1331</b>
3. Particulate	0.03 grains/ dry standard cubic foot of exhaust gases	instantaneous	Lime handling	V. 6, .& VI 1, 2, 3	<b>R336.1331</b>
4. SO <sub>2</sub>	1.2pounds/ MM BTUs heat input <sup>2</sup>	24-hour period	BHB9	V. 7 & VI. 4, 5, 8, 9	<b>40 CFR 60.42b(b)</b>
5. NOx	0.50 pounds/ MM BTUs heat input <sup>2</sup>	24-hour average	BHB9	V. 7 & VI. 4, 6, 8, 9	<b>40CFR60.44b(a) (3)(i)</b>
6. Visible emissions	20% opacity over a 6-minute average except for one 6-minute period per hour of not more than 27%	6-minute average	BHB9	VI. 8, 9, 11, 12, & 16	<b>40CFR60.43b(f)</b>

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA.	NA	NA	NA	NA	NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate the boiler unless the cyclones and fabric filter are installed and operating properly. **(R336.1910)**
2. The permittee shall not operate the limestone and ash handling system unless the fabric filter is installed and operating properly. **(R336.1910)**
3. The boiler shall not generate more than one-third of the unit's potential electric output capacity or 219,000 MWh (megawatt hours) of electricity, whichever is greater, per calendar year. Should this limit be exceeded, the boiler will be subject to the Michigan Clean Air Interstate Rules (CAIR) applicable requirements under 40 CFR Part 97 and Acid Rain Provision under 40 CFR Part 76. Within 30 days after exceeding the limit, the permittee shall submit a permit application to obtain a CAIR permit. **(40 CFR 97.304 (b) & 40 CFR Part 76 )**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of 5 years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall conduct an annual performance audit of COMS (Continuous Opacity Monitoring System) in accordance with "Performance Audit Procedures for Opacity Monitors" set forth in USEPA publication 450/4-92-010. **(40 CFR 64.3(b))**
2. The permittee shall conduct annual Relative Accuracy Test Audit (RATA) of the CEMS in accordance with Performance Specifications 2 and 3, set forth in 40 CFR 60, Appendix B. **(40CFR60.13 and App. F, 40CFR60)**
3. The permittee shall conduct cylinder gas audit (CGA) of the CEMS in accordance with Quality Assurance Procedures, Appendix F, 40 CFR 60. CGA should be performed for each quarter that a RATA is not performed. **(40CFR 60.13, and App. F, 40CFR60)**
4. A stack testing plan shall be submitted to the AQD District Supervisor no less than 60 days prior to testing. **(R336.1213(3))**
5. The permittee shall submit a complete test report of the stack test results to the AQD District Supervisor within 60 days after completing the test. **(R336.2001(4))**
6. The permittee shall submit a report to correlate PM emission rate in pounds per MMBtus heat input with percent opacity measured during PM stack testing. Report shall be submitted within 90 days after stack testing. **(40 CFR 64.4(e) & 64.6(d))**
7. Within one year of issuance of this permit, if an acceptable particulate emission test has not been conducted before the issuance of the permit, the permittee shall perform particulate testing in accordance with Method 5, Appendix B 40 CFR 60, or equivalent method as approved by the AQD. While conducting the test, permittee shall establish and implement a site-specific monitoring plan, such as the operation range of the pressure drop

across the cyclone and each section of the baghouse, and correlate PM emission rate in pounds per MMBTU of heat input with percentage opacity measured during the test.

**((40 CFR 64.4(e), 64.6(d) & R336.2004 & R336.1213(3))**

**See Appendix 5**

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of 5 years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall utilize COMS (Continuous Opacity Monitoring System) recorded opacity as an indicator of the proper functioning of the cyclones and fabric filter. Monitoring based on the tests per condition V.7 of this table shall begin after issuance of the ROP. **(40 CFR 64.6(c)(1)(I & ii))**
2. The permittee shall conduct and log all routine and scheduled preventative maintenance activities quarterly for the boiler, limestone and ash handling fabric filter baghouses. **(R336.1213(3))**
3. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repair of the monitoring equipment. **(40 CFR 64.7(b))**
4. The CEMS (Continuous Emissions Monitoring System) and COM shall be installed, calibrated, maintained and operated in accordance with the procedures set forth in 40 CFR 60.13 and Performance Specification 1, 2 and 3. The permittee shall implement and maintain, in accordance with the Quality Assurance Procedures set forth in Appendix B, 40 CFR 75, an acceptable written quality assurance/ quality control program and a preventative maintenance program for the CEMS and COM. The permittee shall check the zero and span calibration drifts of the COMS and CEMS at least once daily in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in Appendix B, 40 CFR 60. **(40CFR Part 75.59, 40 CFR 64.3(b), & 40 CFR 60.47(b))**
5. The permittee shall calculate the electricity generated from the unit during each month in terms of MWh and total MWh in a calendar year. All required calculations shall be completed and made available by the 15<sup>th</sup> day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1213(3))**
6. The permittee shall operate the COMS to monitor the opacity at all times that Boiler No. 9 is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks, zero and span adjustments). Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. **(40 CFR 64.7)**
7. The permittee shall notify the AQD District Supervisor for the need to modify the monitoring plan if the approved monitoring plan is found to be inadequate and shall submit a proposed modification to the plan if appropriate. **(40 CFR 64.7(e))**
8. The permittee shall monitor and record opacity continuously. The monitor shall complete a minimum of one cycle of sampling analysis for each successive 10 second period and one cycle of data recording for each successive 6-minute period. **(40 CFR 64.6(c)(1) & R 336.2152)**
9. The permittee shall use the COMS to assure compliance with the PM limit based on the acceptable results of the test per condition V.8. of this Table. An excursion for PM shall be 2 consecutive 1-hour block average opacity values greater than 20%. This condition does not affect compliance with R336.1301. **(40 CFR 64.6(c)(2))**

**See Appendix 5.1 and 5.2.**

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. Report shall be received by appropriate AQD district office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. Additionally, the report shall include: a) summary information on the number, duration and cause of exceedances and excursions and the corrective actions taken. If there were no excursions and/or exceedances in the reporting period, then this report shall include a statement there were no excursions and/or exceedances; b) summary information on the number, duration and cause for monitor downtime incidents. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime; and c) a description of the actions taken to implement a QIP during the reporting period, if applicable. If a QIP has been completed, the report shall include documentation that the plan has been implemented and it has reduced the likelihood of excursions or exceedances. **(R 336.1213(3)(c)(i), 40CFR 64.9)**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. Report shall be received by appropriate AQD district office by March 15 for the previous calendar year **(R 336.1213(3)(c)(ii))**
4. Quarterly reporting, in an acceptable format, of boiler #9 COMS excess emission report (EER) and summary report in accordance with 40 CFR 60.7(c) and (d), shall be submitted to the District Supervisor as well as the Technical Program Unit Supervisor within 30 days following the end of each calendar quarter. The EER shall include the magnitude, in actual percent opacity, of each six minute average of opacity greater than 20%, the time period represented by such averages, the cause of excess emission, periods of monitor downtime, any corrective action taken and total boiler operating time during the reporting period. The permittee shall report if no exceedances occurred during the quarter.  
**(40CFR 60.7(c) and (d))**
5. Quarterly reporting, in an acceptable format, of boiler #9 CEMS excess emission report and summary report in accordance with 40 CFR 60.7(c) and (d), shall be submitted to the District Supervisor within 30 days following the end of each calendar quarter. The EER shall include the magnitude of excess emission, the cause of excess emission, periods of monitor downtime, any corrective action taken and total boiler operating time during the reporting period. The permittee shall report if no exceedances occurred during the quarter.  
**(40CFR 60.7(c) & (d))**
6. The CEMS EER and summary report shall also include a calculation of CEMS downtime. The percent CEMS downtime shall not exceed 5%.  
**(R336.1213(3) & CO No. 10-1995(14))**
7. The results of the annual performance audit for COMS and the results of the RATA for CEMS shall be submitted to the District Supervisor within 30 days following the test.  
**(40CFR 64.9 & R336.1213(3))**
8. The results of the CGA shall be submitted to the District Supervisor along with the quarterly report.  
**(R336.1213(3))**

**See Appendix 8.1 and 8.2**

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
SV-BOILER-9	96 <sup>2</sup>	195 <sup>2</sup>	R336.1201(3)

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable provisions of 40 CFR 60 Subparts A and Db, New Source Performance Standards for Industrial-Commercial-Institutional Steam generating Units, and Quality Assurance procedures, Appendix F. **(40 CFR 60 Subparts A and Db)**
2. The permittee shall implement the approved Compliance Assurance Monitoring Plan for Boiler No. 9. Changes to the plan may be made upon written approval by the District Supervisor, AQD. **(40 CFR 64.7 (a), R336.1911)**
3. Upon detecting an excursion or exceedance, the permittee shall restore operation of Boiler No. 9, including the control device and associated capture system to its normal or usual manner of operation as expeditiously as practicable in accordance with good engineering practices for minimizing emissions. **(40CFR64.7(d))**
4. The permittee shall comply with all requirements of 40 CFR 64. **(40 CFR 64.6(c)(3))**
5. If six excursions occur in any three month period, the permittee shall submit a QIP. **(40 CFR 64.8(a))**
6. The permittee shall promptly notify AQD for the need to modify the CAM Plan if the existing plan is found to be inadequate. The permittee shall submit a proposed modification to the ROP if necessary. **(40 CFR 64.7(e))**
7. The permittee shall comply with the CAIR SO<sub>2</sub> Trading Program provisions of 40 CFR Part 97.201 through 97.288, as adopted and modified by R 336.1420, and as outlined in any complete CAIR SO<sub>2</sub> Budget Permit issued by the AQD. CAIR SO<sub>2</sub> Budget Permit No. MI-SO<sub>2</sub>-10111-20XX is hereby incorporated into this ROP as Appendix 9. **(R 336.1420)**
8. The permittee shall hold allowances for compliance deductions in the source's compliance account as of the allowance transfer deadline in an amount not less than the total SO<sub>2</sub> emissions for the control period from the source pursuant to 40 CFR Part 97.254. **(40 CFR Part 97.254)**
9. The permittee shall comply with the CAIR NO<sub>x</sub> Annual Trading Program provisions of 40 CFR Part 97.101 through 97.188, as adopted and modified by R 336.1802a, 336.1803, 336.1821, and 336.1830 through 336.1834, and as outlined in any complete CAIR Annual NO<sub>x</sub> Budget Permit issued by the AQD. CAIR Annual NO<sub>x</sub> Budget Permit No. MI-NOA-10111-20XX is hereby incorporated into this ROP as Appendix 10. **(R 336.1821)**
10. The permittee shall hold allowances for compliance deductions in the source's compliance account as of the allowance transfer deadline in an amount not less than the total NO<sub>x</sub> emissions for the control period from the source pursuant to 40 CFR Part 97.154. **(40 CFR Part 97.154)**
11. The permittee shall comply with the CAIR NO<sub>x</sub> Ozone Trading Program provisions of 40 CFR Part 97.301 through 97.388, as adopted and modified by R 336.1802a, 336.1803, and 336.1821 through 336.1826, and as outlined in any complete CAIR Ozone NO<sub>x</sub> Budget Permit issued by the AQD. CAIR Ozone NO<sub>x</sub> Budget Permit No. MI-NOO-10111-20XX is hereby incorporated into this ROP as Appendix 11. **(R 336.1821)**

12. The permittee shall hold allowances for compliance deductions in the source's compliance account as of the allowance transfer deadline in an amount not less than the total NOx emissions for the control period from the source pursuant to 40 CFR Part 97.354. **(40 CFR Part 97.354)**

**Footnotes:**

<sup>1</sup>This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**D. FLEXIBLE GROUP CONDITIONS**

Part D outlines terms and conditions that apply to more than one emission unit. The permittee is subject to the special conditions for each flexible group in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table.

**FLEXIBLE GROUP SUMMARY TABLE D-2**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FGCOLDCLEANER	Cold cleaners that are exempted by Rule 281.	EU-COLDCLEANER
FG-BHB7-8	Natural gas-fired Boiler Nos. 7 and 8.	EU-BHB7 & EU-BHB8

## **FGCOLDCLEANER FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

Any cold cleaners that are exempt from Rule 201 pursuant to Rule 278 and Rule 281(h) or Rule 285(r)(iv). New cold cleaners were placed into operation on or after July 1, 1979.

### **I. EMISSION UNITS:**

EU-COLDCLEANER

### **II. MATERIAL LIMIT(S)**

The permittee shall not use cleaning solvents containing more than five percent by weight of the following halogenated compounds: methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chloroform, or any combination thereof. **(R 336.1213(2))**

### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. Cleaned parts shall be drained for no less than 15 seconds or until dripping ceases. **(R 336.1611(2)(b), R 336.1707(3)(b))**
2. The permittee shall perform routine maintenance on each cold cleaner as recommended by the manufacturer. **(R 336.1213(3))**

### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The cold cleaner must meet one of the following design requirements:
  - a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(h))**
  - b. The cold cleaner is used for cleaning metal parts and the emissions are released to the general in-plant environment. **(R 336.1285(r)(iv))**
2. The cold cleaner shall be equipped with a device for draining cleaned parts. **(R 336.1611(2)(b), R 336.1707(3)(b))**
3. All new and existing cold cleaners shall be equipped with a cover and the cover shall be closed whenever parts are not being handled in the cold cleaner. **(R 336.1611(2)(a), R 336.1707(3)(a))**
4. The cover of a new cold cleaner shall be mechanically assisted if the Reid vapor pressure of the solvent is more than 0.3 psia or if the solvent is agitated or heated. **(R 336.1707(3)(a))**
5. If the Reid vapor pressure of any solvent used in a new cold cleaner is greater than 0.6 psia; or, if any solvent used in a new cold cleaner is heated above 120 degrees Fahrenheit, then the cold cleaner must comply with at least one of the following provisions:
  - a. The cold cleaner must be designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7. **(R 336.1707(2)(a))**
  - b. The solvent bath must be covered with water if the solvent is insoluble and has a specific gravity of more than 1.0. **(R 336.1707(2)(b))**

- c. The cold cleaner must be controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the AQD. **(R 336.1707(2)(c))**

## **V. TESTING/SAMPLING**

NA

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. For each new cold cleaner in which the solvent is heated, the solvent temperature shall be monitored and recorded at least once each calendar week during routine operating conditions. **(R 336.1213(3))**
2. The permittee shall maintain the following information on file for each cold cleaner: **(R 336.1213(3))**
  - a. A serial number, model number, or other unique identifier for each cold cleaner.
  - b. The date the unit was installed, manufactured or that it commenced operation.
  - c. The air/vapor interface area for any unit claimed to be exempt under Rule 281(h).
  - d. The applicable Rule 201 exemption.
  - e. The Reid vapor pressure of each solvent used.
  - f. If applicable, the option chosen to comply with Rule 707(2).
3. The permittee shall maintain written operating procedures for each cold cleaner. These written procedures shall be posted in an accessible, conspicuous location near each cold cleaner. **(R 336.1611(3), R 336.1707(4))**
4. As noted in Rule 611(2)(c) and Rule 707(3)(c), if applicable, an initial demonstration that the waste solvent is a safety hazard shall be made prior to storage in non-closed containers. If the waste solvent is a safety hazard and is stored in non-closed containers, verification that the waste solvent is disposed of so that not more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

## **VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**FG-BHB7-8**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Natural gas-fired Boiler Nos. 7 and 8 with each capacity of 201.9 MMBTU per hour.

**Emission Units:**

EU-BHB7 Natural gas-fired Boiler No. 7

EU-BHB8 Natural gas-fired Boiler No. 8

**POLLUTION CONTROL EQUIPMENT**

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NO <sub>x</sub>	0.10 pounds/ MM BTUs for each boiler <sup>2</sup>	Based on a 24-hour average	FG-BHB7-8	VI.3.	R336.1201(3)
NO <sub>x</sub>	19.2 pounds for each boiler <sup>2</sup>	Hourly	FG-BHB7-8	V.1. & 2	R336.1201(3)

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

The permittee shall not burn any fuel other than natural gas in the boilers. (R336.1201(3))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of 5 years. (R 336.1213(3)(b)(ii))

1. Permittee shall conduct NO<sub>x</sub> emission tests for Boiler Nos. 7 and 8 every five years as long as the permit remains valid. The test shall be performed within one year after the issuance of this permit.

(R336.1213(3))

2. The compliance tests shall be conducted to demonstrate compliance with the NOx hourly limit. The stack testing shall be conducted while operating at 100 percent Capacity. **(R336.1213(3))**
3. Permittee shall use Method 7, as specified in Appendix A, 40 CFR 60, or equivalent method as approved by the AQD. **(R336.2004)**
4. A stack testing plan shall be submitted to the district supervisor no less than 60 days prior to testing. **(R336.1213(3))**
5. The permittee shall submit a complete test report of the test results to the district supervisor within 60 days after completing the test. **(R336.2001(4))**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of 5 years. **(R 336.1213(3)(b)(ii))**

1. Permittee shall conduct and log all routine and scheduled preventive maintenance for the boilers. **R336.1213(3))**
2. Permittee shall not burn any fuel other than pipeline quality natural gas in Boiler No. 7 & 8.<sup>2</sup> **(R336.1201(3))**

See Appendices {3, 4, and/or 7}

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. Report shall be received by appropriate AQD district office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. Report shall be received by appropriate AQD district office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
SV-BOILER-7	72	96	<b>R336.1201(3)</b>
SV-BOILER-8	72	96	<b>R336.1201(3)</b>

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup>This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).  
<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## **E. NON-APPLICABLE REQUIREMENTS**

At the time of ROP issuance, the AQD has determined that no non-applicable requirements have been identified for incorporation into the permit shield provision set forth in the General Conditions in Part A pursuant to Rule 213(6)(a)(ii).

## APPENDICES

### Appendix 1: Abbreviations & Acronyms

The following is an alphabetical listing of abbreviations/acronyms that may be used in this permit.

AQD	Air Quality Division	MM	Million
acfm	Actual cubic feet per minute	MSDS	Material Safety Data Sheet
BACT	Best Available Control Technology	MW	Megawatts
BTU	British Thermal Unit	NA	Not Applicable
°C	Degrees Celsius	NAAQS	National Ambient Air Quality Standards
CAA	Federal Clean Air Act	NESHAP	National Emission Standard for Hazardous Air Pollutants
CAM	Compliance Assurance Monitoring	NMOC	Non-methane Organic Compounds
CEM	Continuous Emission Monitoring	NOx	Oxides of Nitrogen
CFR	Code of Federal Regulations	NSPS	New Source Performance Standards
CO	Carbon Monoxide	NSR	New Source Review
COM	Continuous Opacity Monitoring	PM	Particulate Matter
department	Michigan Department of Environmental Quality	PM-10	Particulate Matter less than 10 microns in diameter
dscf	Dry standard cubic foot	pph	Pound per hour
dscm	Dry standard cubic meter	ppm	Parts per million
EPA	United States Environmental Protection Agency	ppmv	Parts per million by volume
EU	Emission Unit	ppmw	Parts per million by weight
°F	Degrees Fahrenheit	PS	Performance Specification
FG	Flexible Group	PSD	Prevention of Significant Deterioration
GACS	Gallon of Applied Coating Solids	psia	Pounds per square inch absolute
gr	Grains	psig	Pounds per square inch gauge
HAP	Hazardous Air Pollutant	PeTE	Permanent Total Enclosure
Hg	Mercury	PTI	Permit to Install
hr	Hour	RACT	Reasonable Available Control Technology
HP	Horsepower	ROP	Renewable Operating Permit
H <sub>2</sub> S	Hydrogen Sulfide	SC	Special Condition
HVLP	High Volume Low Pressure *	scf	Standard cubic feet
ID	Identification (Number)	sec	Seconds
IRSL	Initial Risk Screening Level	SCR	Selective Catalytic Reduction
ITSL	Initial Threshold Screening Level	SO <sub>2</sub>	Sulfur Dioxide
LAER	Lowest Achievable Emission Rate	SRN	State Registration Number
lb	Pound	TAC	Toxic Air Contaminant
m	Meter	Temp	Temperature
MACT	Maximum Achievable Control Technology	THC	Total Hydrocarbons
MAERS	Michigan Air Emissions Reporting System	tpy	Tons per year
MAP	Malfunction Abatement Plan	µg	Microgram
MDEQ	Michigan Department of Environmental Quality	VE	Visible Emissions
mg	Milligram	VOC	Volatile Organic Compounds
mm	Millimeter	yr	Year

\*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 pounds per square inch gauge (psig).

## Appendix 2. Schedule of Compliance

The permittee certified in the ROP application that this stationary source is in compliance with all applicable requirements and the permittee shall continue to comply with all terms and conditions of this ROP. A Schedule of Compliance is not required. (R 336.1213(4)(a), R 336.1119(a)(ii))

## Appendix 3. Monitoring Requirements

Specific monitoring requirement procedures, methods or specifications are detailed in Part A or the appropriate source-wide, emission unit and/or flexible group special conditions. Therefore, this appendix is not applicable.

## Appendix 4. Recordkeeping

Specific recordkeeping requirement formats and procedures are detailed in Part A or the appropriate source-wide, emission unit and/or flexible group special conditions. Therefore, this appendix is not applicable.

## Appendix 5. Testing Procedures

Specific testing requirement plans, procedures, and averaging times are detailed in the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

## Appendix 6. Permits to Install

The following table lists any Permits to Install issued since the effective date of previously issued ROP No.

Permit to Install Number	Description of Equipment	Corresponding Emission Unit(s) or Flexible Group(s)
NA	NA	NA

## Appendix 7. Emission Calculations

Specific emission calculations to be used with monitoring, testing or recordkeeping data are detailed in the appropriate source-wide, emission unit and/or flexible group special conditions. Therefore, this appendix is not applicable.

## Appendix 8. Reporting

### A. Annual, Semiannual, and Deviation Certification Reporting

The permittee shall use the MDEQ Report Certification form (EQP 5736) and MDEQ Deviation Report form (EQP 5737) for the annual, semiannual and deviation certification reporting referenced in the Reporting section of the source-wide, emission unit and/or flexible group special conditions. Alternative formats must meet the provisions of Rule 213(4)(c) and Rule 213(3)(c)(i), respectively, and be approved by the AQD District Supervisor.

**B. Other Reporting**

Specific reporting requirement formats and procedures are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, Part B of this appendix is not applicable.

**Appendix 9. CAIR SO2 Budget Permit**



Michigan Department Of Natural Resources and Environment  
 Air Quality Division

**CAIR Sulfur Dioxide Budget Permit  
 Permit No. MI-SO2-10111-2010**

Permittee           DTE Pontiac North, LLC  
 Address            824 Saint Clair Street, Pontiac, MI  
 SRN                 N7786  
 ORIS code         10111  
 Issue Date         November 23, 2010  
 Expiration         This permit shall expire when the facility's Renewable  
                           Operating Permit (ROP) expires in accordance with 40 CFR  
                           97.221(b).  
 ROP No.           MI-ROP-N7786-2008a

This permit incorporates automatically the definitions of terms under Air Pollution Control Rule 336.1420.

This permit incorporates automatically, upon recordation by the EPA Administrator in accordance with 40 CFR part 97 subpart FFF, GGG, or III every allocation, transfer, or deduction of a SO2 allowance to or from the compliance accounts of the CAIR SO2 unit(s) covered by the permit.

The owners and operators of the source must comply with the standard requirements and special provisions set forth in this permit.

This permit incorporates any attached comments, notes or justifications regarding permit decisions and changes made to the permit application forms during the review process.

**Units covered under this permit**

AQD Unit ID	Unit Type		
EU-BHB9	X Stationary Boiler	<input type="checkbox"/> Combined Cycle System	<input type="checkbox"/> Combustion Turbine <input type="checkbox"/> Other

**Note: Facility ID (ORIS) changed from 880081 to 10111.**

**Permit Application:**

*CAIR SO2 Annual Permit application submitted February 10, 2010*

## Standard requirements

### (a) Permit requirements.

(1) The CAIR designated representative of each CAIR SO<sub>2</sub> source required to have a ROP and each CAIR SO<sub>2</sub> unit required to have a ROP at the source shall:

(i) Submit to the permitting authority a complete CAIR permit application under § 97.222 in accordance with the deadlines specified in § 97.221; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR SO<sub>2</sub> source required to have a ROP and each CAIR SO<sub>2</sub> unit required to have a ROP at the source shall have a CAIR permit issued by the permitting authority under subpart CCC of 40 CFR part 97 for the source and operate the source and the unit in compliance with such CAIR permit.

### (b) Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HHH of 40 CFR part 97.

(2) The emissions measurements recorded and reported in accordance with subpart HHH of 40 CFR part 97 shall be used to determine compliance by each CAIR SO<sub>2</sub> source with the CAIR SO<sub>2</sub> emissions limitation under paragraph (c) of this permit.

### (c) Sulfur Dioxide Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period, as determined in accordance with § 97.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO<sub>2</sub> units at the source, as determined in accordance with subpart HHH of 40 CFR part 97.

(2) A CAIR SO<sub>2</sub> unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit(s) monitor certification requirements under § 97.270(b)(1),(2), or (5) and for each control period thereafter.

(3) A CAIR SO<sub>2</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR SO<sub>2</sub> allowance was allocated.

(4) CAIR SO<sub>2</sub> allowances shall be held in, deducted from, or transferred into or among CAIR SO<sub>2</sub> Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of 40 CFR part 97.

(5) A CAIR SO<sub>2</sub> allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO<sub>2</sub> Trading Program. No provision of the CAIR SO<sub>2</sub> Trading Program, the CAIR permit application, the CAIR permit, or an exemption under § 97.205 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR SO<sub>2</sub> allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart FFF, GGG, or III of 40 CFR part 97, every allocation, transfer, or deduction of a CAIR SO<sub>2</sub> allowance to or from a CAIR SO<sub>2</sub> source's compliance account is incorporated automatically in any CAIR permit of the source.

**(d) Excess emissions requirements.**

If a CAIR SO<sub>2</sub> source emits sulfur dioxide during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO<sub>2</sub> unit at the source shall surrender the CAIR SO<sub>2</sub> allowances required for deduction under § 97.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

**(e) Recordkeeping and Reporting Requirements.**

(1) Unless otherwise provided, the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under § 97.213 for the CAIR designated representative for the source and each CAIR SO<sub>2</sub> unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under § 97.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subpart HHH of 40 CFR part 97, provided that to the extent that subpart HHH of 40 CFR part 97 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO<sub>2</sub> Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO<sub>2</sub> Trading Program or to demonstrate compliance with the requirements of the CAIR SO<sub>2</sub> Trading Program.

(2) The CAIR designated representative of a CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall submit the reports required under the CAIR SO<sub>2</sub> Trading Program, including those under subpart HHH of 40 CFR part 97.

**(f) Liability.**

(1) Each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit shall meet the requirements of the CAIR SO<sub>2</sub> Trading Program.

(2) Any provision of the CAIR SO<sub>2</sub> Trading Program that applies to a CAIR SO<sub>2</sub> source or the CAIR designated representative of a CAIR SO<sub>2</sub> source shall also apply to the owners and operators of such source and of the CAIR SO<sub>2</sub> units at the source.

(3) Any provision of the CAIR SO<sub>2</sub> Trading Program that applies to a CAIR SO<sub>2</sub> unit or the CAIR designated representative of a CAIR SO<sub>2</sub> unit shall also apply to the owners and operators of such unit.

**(g) Effect On Other Authorities.**

No provision of the CAIR SO<sub>2</sub> Trading Program, a CAIR permit application, a CAIR permit, or an exemption under § 97.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO<sub>2</sub> source or CAIR SO<sub>2</sub> unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**Appendix 10. CAIR Annual NOx Budget Permit**



Michigan Department Of Natural Resources and Environment  
 Air Quality Division

**CAIR Annual Nitrogen Oxide Budget Permit  
 Permit No. MI-NOA-10111-2010**

Permittee           DTE Pontiac North, LLC  
 Address            824 Saint Clair Street, Pontiac, MI  
 SRN                 N7786  
 ORIS code         10111  
 Issue Date         November 23, 2010  
 Expiration         This permit shall expire when the facility's Renewable  
                           Operating Permit expires in accordance with Air Pollution  
                           Control Rule 336.1821.  
 ROP No.            MI-ROP-N7786-2008a

This permit incorporates automatically the definitions of terms under Air Pollution Control Rule 336.1803.

This permit incorporates automatically, upon recordation by the EPA Administrator in accordance with Air Pollution Control Rule 336.1830, 336.1831 and 336.1834 every allocation, transfer, or deduction of a NOx allowance to or from the compliance accounts of the NOx Budget unit(s) covered by the permit.

The owners and operators of the source must comply with the standard requirements and special provisions set forth in this permit.

This permit incorporates any attached comments, notes or justifications regarding permit decisions and changes made to the permit application forms during the review process.

**Units covered under this permit**

AQD Unit ID	Unit Type		
EU-BHB9	X Stationary Boiler	<input type="checkbox"/> Combined Cycle System	<input type="checkbox"/> Combustion Turbine
		<input type="checkbox"/> Other	

**Note: Facility ID (ORIS) changed from 880081 to 10111.**

**Permit Application:**

*CAIR NOx Annual Permit application submitted February 10, 2010*

## Standard Requirements

### (a) Permit Requirements.

(1) The CAIR designated representative of each CAIR NOX source required to have a Renewable Operating Permit (ROP) and each CAIR NOX unit required to have a ROP at the source shall:

- (i) Submit to the Michigan Department of Natural Resources and Environment, Air Quality Division (MDNRE-AQD) a complete CAIR permit application under R 336.1821(3) in accordance with the deadlines specified in 40 CFR 97.121; and
- (ii) Submit in a timely manner any supplemental information that the MDNRE-AQD determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NOX source required to have a ROP and each CAIR NOX unit required to have a ROP at the source shall have a CAIR permit issued by the MDNRE-AQD under subpart CC of 40 CFR part 97 for the source and operate the source and the unit in compliance with such CAIR permit.

### (b) Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NOX source and each CAIR NOX unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HH of 40 CFR part 97.

(2) The emissions measurements recorded and reported in accordance with subpart HH of 40 CFR part 97 shall be used to determine compliance by each CAIR NOX source with the CAIR NOX emissions limitation under paragraph (c) of this permit.

### (c) Nitrogen Oxides Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOX source and each CAIR NOX unit at the source shall hold, in the source's compliance account, CAIR NOX allowances available for compliance deductions for the control period under 40 CFR 97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOX units at the source, as determined in accordance with subpart HH of 40 CFR part 97.

(2) A CAIR NOX unit shall be subject to the requirements under paragraph (c)(1) for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.170(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR NOX allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOX allowance was allocated.

(4) CAIR NOX allowances shall be held in, deducted from, or transferred into or among CAIR NOX Allowance Tracking System accounts in accordance with subparts EE, FF, GG, or II of 40 CFR part 97.

(5) A CAIR NOX Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOX Ozone Season Trading Program. No provision of the CAIR NOX Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under § 97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NOX allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOX Annual Trading Program. No provision of the CAIR NOX Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR 97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) A CAIR NOX allowance does not constitute a property right.

(8) Upon recordation by the Administrator under subpart EE, FF, GG, or II of 40 CFR part 97, every allocation, transfer, or deduction of a CAIR NOX allowance to or from a CAIR NOX source's compliance account is incorporated automatically in any CAIR permit of the source.

**(d) Excess Emissions Requirements.**

If a CAIR NOX source emits nitrogen oxides during any control period in excess of the CAIR NOX emissions limitation, then:

(1) The owners and operators of the source and each CAIR NOX unit at the source shall surrender the CAIR NOX allowances required for deduction under 40 CFR 97.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, the Clean Air Act, and applicable State rules.

**(e) Recordkeeping and Reporting Requirements.**

(1) Unless otherwise provided, the owners and operators of the CAIR NOX source and each CAIR NOX unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the MDNRE-AQD or the Administrator.

(i) The certificate of representation under § 97.113 for the CAIR designated representative for the source and each CAIR NOX unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under § 97.113 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subpart HH of 40 CFR part 97.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOX Annual Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOX Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NOX Annual Trading Program.

(2) The CAIR designated representative of a CAIR NOX source and each CAIR NOX unit at the source shall submit the reports required under the CAIR NOX Annual Trading Program, including those under subpart HH of 40 CFR part 97.

**(f) Liability.**

(1) Each CAIR NOX source and each CAIR NOX unit shall meet the requirements of the CAIR NOX Annual Trading Program.

(2) Any provision of the CAIR NOX Annual Trading Program that applies to a CAIR NOX source or the CAIR designated representative of a CAIR NOX source shall also apply to the owners and operators of such source and of the CAIR NOX units at the source.

(3) Any provision of the CAIR NOX Annual Trading Program that applies to a CAIR NOX unit or the CAIR designated representative of a CAIR NOX unit shall also apply to the owners and operators of such unit.

**(g) Effect on Other Authorities.**

No provision of the CAIR NOX Annual Trading Program, a CAIR permit application, a CAIR permit, or an exemption under § 97.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NOX source or CAIR NOX unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**Appendix 11. CAIR Ozone NOx Budget Permit**



Michigan Department Of Natural Resources and Environment  
 Air Quality Division

**CAIR Ozone Nitrogen Oxide Budget Permit  
 Permit No. MI-NOO-10111-2010**

Permittee DTE Pontiac North, LLC  
 Address 824 Saint Clair Street, Pontiac, MI  
 SRN N7786  
 ORIS code 10111  
 Issue Date November 23, 2010  
 Expiration This permit shall expire when the facility's Renewable Operating Permit expires in accordance with Air Pollution Control Rule 336.1821.  
 ROP No. MI-ROP-N7786-2008a

This permit incorporates automatically the definitions of terms under Air Pollution Control Rule 336.1803.

This permit incorporates automatically, upon recordation by the EPA Administrator in accordance with Air Pollution Control Rule 336.1822, 336.1823 and 336.1834 every allocation, transfer, or deduction of a NOx allowance to or from the compliance accounts of the NOx Budget unit(s) covered by the permit.

The owners and operators of the source must comply with the standard requirements and special provisions set forth in this permit.

This permit incorporates any attached comments, notes or justifications regarding permit decisions and changes made to the permit application forms during the review process.

**Units covered under this permit**

AQD Unit ID	Unit Type		
EU-BHB9	X Stationary Boiler	<input type="checkbox"/> Combined Cycle System	<input type="checkbox"/> Combustion Turbine
			<input type="checkbox"/> Other

**Note: Facility ID (ORIS) changed from 880081 to 10111.**

**Permit Application:**

*CAIR NOx Ozone Season Permit application submitted February 10, 2010*

## Standard Requirements

### (a) Permit Requirements.

(1) The CAIR designated representative of each CAIR NOX source required to have a Renewable Operating Permit (ROP) and each CAIR NOX unit required to have a ROP at the source shall:

- (i) Submit to the Michigan Department of Natural resources and Environment, Air Quality Division (MDNRE-AQD) a complete CAIR permit application under R 336.1821(3) in accordance with the deadlines specified in 40 CFR 97.321; and
- (ii) Submit in a timely manner any supplemental information that the MDNRE-AQD determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NOX source required to have a ROP and each CAIR NOX unit required to have a ROP at the source shall have a CAIR permit issued by the MDNRE-AQD under subpart CCCC of 40 CFR part 97 for the source and operate the source and the unit in compliance with such CAIR permit.

### (b) Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NOX source and each CAIR NOX unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HHHH of 40 CFR part 97.

(2) The emissions measurements recorded and reported in accordance with subpart HHHH of 40 CFR part 97 shall be used to determine compliance by each CAIR NOX source with the CAIR NOX emissions limitation under paragraph (c) of this permit.

### (c) Nitrogen Oxides Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOX source and each CAIR NOX unit at the source shall hold, in the source's compliance account, CAIR NOX allowances available for compliance deductions for the control period under 40 CFR 97.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOX units at the source, as determined in accordance with subpart HHHH of 40 CFR part 97.

(2) A CAIR NOX unit shall be subject to the requirements under paragraph (c)(1) for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.370(b)(1), (2), (3) or (7) and for each control period thereafter.

(3) A CAIR NOX allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this permit, for a control period in a calendar year before the year for which the CAIR NOX allowance was allocated.

(4) CAIR NOX allowances shall be held in, deducted from, or transferred into or among CAIR NOX Allowance Tracking System accounts in accordance with subparts EEEE, FFFF, GGGG, or IIII of 40 CFR part 97.

(5) A CAIR NOX Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOX Ozone Season Trading Program. No provision of the CAIR NOX Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under § 97.305 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NOX allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of 40 CFR part 97, every allocation, transfer, or deduction of a CAIR NOX allowance to or from a CAIR NOX source's compliance account is incorporated automatically in any CAIR permit of the source.

**(d) Excess Emissions Requirements.**

If a CAIR NOX source emits nitrogen oxides during any control period in excess of the CAIR NOX emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NOX unit at the source shall surrender the CAIR NOX allowances required for deduction under 40 CFR 97.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, the Clean Air Act, and applicable State rules.

**(e) Recordkeeping and Reporting Requirements.**

(1) Unless otherwise provided, the owners and operators of the CAIR NOX source and each CAIR NOX unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the MDNRE-AQD or the Administrator.

(i) The certificate of representation under § 97.313 for the CAIR designated representative for the source and each CAIR NOX unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under § 97.313 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subpart HHHH of 40 CFR part 97.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOX Ozone Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOX Ozone Trading Program or to demonstrate compliance with the requirements of the CAIR NOX Ozone Trading Program.

(2) The CAIR designated representative of a CAIR NOX source and each CAIR NOX unit at the source shall submit the reports required under the CAIR NOX Ozone Trading Program, including those under subpart HHHH of 40 CFR part 97.

**(f) Liability.**

(1) Each CAIR NOX source and each CAIR NOX unit shall meet the requirements of the CAIR NOX Ozone Trading Program.

(2) Any provision of the CAIR NOX Ozone Trading Program that applies to a CAIR NOX source or the CAIR designated representative of a CAIR NOX source shall also apply to the owners and operators of such source and of the CAIR NOX units at the source.

(3) Any provision of the CAIR NOX Ozone Trading Program that applies to a CAIR NOX unit or the CAIR designated representative of a CAIR NOX unit shall also apply to the owners and operators of such unit.

**(g) Effect on Other Authorities.**

No provision of the CAIR NOX Ozone Trading Program, a CAIR permit application, a CAIR permit, or an exemption under § 97.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NOX source or CAIR NOX unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.