



John R. Kasich, Governor  
 Mary Taylor, Lt. Governor  
 Craig W. Butler, Director

1/26/2016

Certified Mail

Randy Meyer  
 OMEGA JV2 Hamilton Peaking Station  
 1111 Schrock Rd, Suite 1000  
 Columbus, OH 43229

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL

Facility ID: 1409040897  
 Permit Number: P0119753  
 Permit Type: Administrative Modification  
 County: Butler

|     |                                    |
|-----|------------------------------------|
| No  | TOXIC REVIEW                       |
| No  | PSD                                |
| Yes | SYNTHETIC MINOR TO AVOID MAJOR NSR |
| No  | CEMS                               |
| No  | MACT/GACT                          |
| Yes | NSPS                               |
| No  | NESHAPS                            |
| No  | NETTING                            |
| No  | MAJOR NON-ATTAINMENT               |
| No  | MODELING SUBMITTED                 |
| No  | MAJOR GHG                          |
| No  | SYNTHETIC MINOR TO AVOID MAJOR GHG |

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and the local newspaper, Journal News. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc) by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall  
 Permit Review/Development Section  
 Ohio EPA, DAPC  
 50 West Town Street, Suite 700  
 P.O. Box 1049  
 Columbus, Ohio 43216-1049

and Southwest Ohio Air Quality Agency  
 250 William Howard Taft Rd.  
 Cincinnati, OH 45219

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Southwest Ohio Air Quality Agency at (513)946-7777.

Sincerely,

Michael E. Hopkins, P.E.  
 Assistant Chief, Permitting Section, DAPC

Cc: U.S. EPA Region 5 -Via E-Mail Notification  
 SWOQA; Indiana; Kentucky



## Permit Strategy Write-Up

1. Check all that apply:  
     Synthetic Minor Determination  
     Netting Determination
  
2. Source Description:  
 AMP desires to convert its LM5000 combustion turbine (P001) from part 75 CEMS emissions monitoring to low mass emissions (LME) status beginning 01 January 2016. This emissions unit is affected by the Title IV Acid Rain regulations and is subject to the Cross State Air Pollution Rule. This emissions unit is used only for peak shaving during extremely hot weather and generally operates less than 100 hours/year. Thus, AMP is willing to accept the emissions and fuel type limitations published at 40 CFR 75.19. The existing NOx monitoring will remain in place to support process control operations. Fee emission reports show that the facility has emitted 2.5 TPY or less of all emissions combined annually since 1999.
  
3. Facility Emissions and Attainment Status:  
 Southwest Ohio is nonattainment for the 8hr ozone standard, nonattainment for the 1hr SO<sub>2</sub> standard in Pierce Twp. Clermont County only, and attainment for PM<sub>2.5</sub>, PM<sub>10</sub>, CO, NOx, and SO<sub>2</sub> in all other areas.
  
4. Source Emissions:  
 The facility has emitted 2.5 TPY or less of all emissions combined annually since 1999.
  
5. Conclusion:  
 Issue in draft
  
6. Please provide additional notes or comments as necessary:  
 None
  
7. Total Permit Allowable Emissions Summary (for informational purposes only):

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| <u>PE</u>        | <u>13.14</u>         |
| <u>SO2</u>       | <u>0.53</u>          |
| <u>CO</u>        | <u>98</u>            |
| <u>VOC</u>       | <u>30</u>            |
| <u>NOx</u>       | <u>65</u>            |



## PUBLIC NOTICE

The following matters are the subject of this public notice by the Ohio Environmental Protection Agency. The complete public notice, including any additional instructions for submitting comments, requesting information, a public hearing, or filing an appeal may be obtained at: <http://epa.ohio.gov/actions.aspx> or Hearing Clerk, Ohio EPA, 50 W. Town St., Columbus, Ohio 43215. Ph: 614-644-2129 email: [HClerk@epa.ohio.gov](mailto:HClerk@epa.ohio.gov)

Draft Air Pollution Permit-to-Install Administrative Modification

OMEGA JV2 Hamilton Peaking Station

8000 N. Gilmore Road., Hamilton, OH 45015

ID#:P0119753

Date of Action: 1/26/2016

Permit Desc:Administrative Modification to change from 40 CFR Part 75 CEMS monitoring to low mass emissions (LME) monitoring for the LM5000 combustion turbine (P001)..

The permit and complete instructions for requesting information or submitting comments may be obtained at: <http://epa.ohio.gov/dapc/permitsonline.aspx> by entering the ID # or: Paul Tedtman, Southwest Ohio Air Quality Agency, 250 William Howard Taft Rd., Cincinnati, OH 45219. Ph: (513)946-7777





**DRAFT**

**Division of Air Pollution Control  
Permit-to-Install  
for  
OMEGA JV2 Hamilton Peaking Station**

|                |                                   |
|----------------|-----------------------------------|
| Facility ID:   | 1409040897                        |
| Permit Number: | P0119753                          |
| Permit Type:   | Administrative Modification       |
| Issued:        | 1/26/2016                         |
| Effective:     | To be entered upon final issuance |





**Division of Air Pollution Control**  
**Permit-to-Install**  
for  
OMEGA JV2 Hamilton Peaking Station

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**Draft Permit-to-Install**  
OMEGA JV2 Hamilton Peaking Station  
**Permit Number:** P0119753  
**Facility ID:** 1409040897  
**Effective Date:** To be entered upon final issuance

## Authorization

Facility ID: 1409040897  
Facility Description:  
Application Number(s): M0003655  
Permit Number: P0119753  
Permit Description: Administrative Modification to change from 40 CFR Part 75 CEMS monitoring to low mass emissions (LME) monitoring for the LM5000 combustion turbine (P001).  
Permit Type: Administrative Modification  
Permit Fee: \$0.00 *DO NOT send payment at this time, subject to change before final issuance*  
Issue Date: 1/26/2016  
Effective Date: To be entered upon final issuance

This document constitutes issuance to:

OMEGA JV2 Hamilton Peaking Station  
8000 N. Gilmore Road  
Hamilton, OH 45015

of a Permit-to-Install for the emissions unit(s) identified on the following page.

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency  
250 William Howard Taft Rd.  
Cincinnati, OH 45219  
(513)946-7777

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler  
Director



**Draft Permit-to-Install**  
OMEGA JV2 Hamilton Peaking Station  
**Permit Number:** P0119753  
**Facility ID:** 1409040897

**Effective Date:** To be entered upon final issuance

## Authorization (continued)

Permit Number: P0119753

Permit Description: Administrative Modification to change from 40 CFR Part 75 CEMS monitoring to low mass emissions (LME) monitoring for the LM5000 combustion turbine (P001).

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

|                                   |                  |
|-----------------------------------|------------------|
| <b>Emissions Unit ID:</b>         | <b>P001</b>      |
| Company Equipment ID:             | Hamilton GT No.1 |
| Superseded Permit Number:         | 14-4702          |
| General Permit Category and Type: | Not Applicable   |



**Draft Permit-to-Install**  
OMEGA JV2 Hamilton Peaking Station  
**Permit Number:** P0119753  
**Facility ID:** 1409040897  
**Effective Date:** To be entered upon final issuance

## **A. Standard Terms and Conditions**

**1. Federally Enforceable Standard Terms and Conditions**

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
  - (1) Standard Term and Condition A.2.a), Severability Clause
  - (2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements
  - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
  - (4) Standard Term and Condition A.9., Reporting Requirements
  - (5) Standard Term and Condition A.10., Applicability
  - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
  - (7) Standard Term and Condition A.14., Public Disclosure
  - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
  - (9) Standard Term and Condition A.16., Fees
  - (10) Standard Term and Condition A.17., Permit Transfers

**2. Severability Clause**

- a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

**3. General Requirements**

- a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.

- b) 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 federally enforceable terms and conditions of this permit.
- c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

#### **4. Monitoring and Related Record Keeping and Reporting Requirements**

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - (1) The date, place (as defined in the permit), and time of sampling or measurements.
  - (2) The date(s) analyses were performed.
  - (3) The company or entity that performed the analyses.
  - (4) The analytical techniques or methods used.
  - (5) The results of such analyses.
  - (6) The operating conditions existing at the time of sampling or measurement.
- b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Southwest Ohio Air Quality Agency.

- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Southwest Ohio Air Quality Agency. The written reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
  - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the Southwest Ohio Air Quality Agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
  - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

## 5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Southwest Ohio Air Quality Agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## 6. Compliance Requirements

- a) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted

local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete

- b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c) The permittee shall submit progress reports to the Southwest Ohio Air Quality Agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

## **7. Best Available Technology**

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

**8. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**9. Reporting Requirements**

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Southwest Ohio Air Quality Agency.
- b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Southwest Ohio Air Quality Agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**10. Applicability**

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s) not exempt from the requirement to obtain a Permit-to-Install.

**11. Construction of New Sources(s) and Authorization to Install**

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the

Director within a reasonable time before the termination date and the permittee shows good cause for any such extension.

- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

Unless otherwise exempted, no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

## **12. Permit-To-Operate Application**

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d) must be obtained before operating the source in a manner that would violate the existing Title V permit requirements.

**13. Construction Compliance Certification**

The applicant shall identify the following dates in the "Air Services" facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

**14. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**16. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

**17. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in "Air Services" once the transfer is legally completed. The change must be submitted through "Air Services" within thirty days of the ownership transfer date.

**18. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

**19. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.



**Draft Permit-to-Install**  
OMEGA JV2 Hamilton Peaking Station  
**Permit Number:** P0119753  
**Facility ID:** 1409040897  
**Effective Date:** To be entered upon final issuance

## **B. Facility-Wide Terms and Conditions**



1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
  - a) None.
2. The permittee shall ensure that any CAIR NO<sub>x</sub>, SO<sub>2</sub>, or NO<sub>x</sub> ozone season units comply with the requirements of OAC 3745-109, which includes submitting timely permit applications. The permittee shall ensure that the affected emissions units comply with those requirements as outlined in the permit application submitted as required by OAC rules 3745-109-03, 109-10 and 109-16 for the affected emissions units.

The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program affecting electric generating facilities.

Note: Ohio EPA DAPC completed rule amendments for OAC Chapter 3745-14, specifically, OAC rule 3745-14-01 and OAC rule 3745-14-06, which facilitated the transition of the affected units from OAC Chapter 3745-14 into the federal Clean Air Interstate Rule (CAIR) program which began with the 2009 control periods. This began the process of “sunsetting” the parts of OAC Chapter 3745-14 that were no longer needed as a result of Ohio’s CAIR rules (OAC Chapter 3745-109).

3. Transport Rule (TR) Trading Program Requirements
  - a) The permittee shall comply with all applicable Cross-State Air Pollution Rule (CSAPR) requirements (40 CFR Part 97, Subparts AAAAA – DDDDD) by the compliance date specified in 40 CFR 97, Subparts AAAAA – DDDDD.
  - b) The TR subject units, and the unit-specific monitoring provisions at this source, are identified in the following table. These units are subject to the requirements for the TR NO<sub>x</sub> Annual Trading Program and TR NO<sub>x</sub> Ozone Season Trading Program.

| <u>Unit ID:</u><br>P001 32 MW simple-cycle combustion turbine, GT No.1 |  |   |   |   |   |
|--|--|---|---|---|---|
| Parameter  | Continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR part 75, subpart B (for SO <sub>2</sub> monitoring) and 40 CFR part 75, subpart H (for NO <sub>x</sub> monitoring) | Excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR part 75, appendix D | Excepted monitoring system requirements for gas- and oil-fired peaking units pursuant to 40 CFR part 75, appendix E | Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR 75.19 | EPA-approved alternative monitoring system requirements pursuant to 40 CFR part 75, subpart E |
| SO <sub>2</sub>  |  |   |   |   |   |



|                 |   |  |  |   |  |
|-----------------|---|--|--|---|--|
|                 |   |  |  |   |  |
| NO <sub>x</sub> | X |  |  | X |  |
| Heat input      |   |  |  | X |  |

- c) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR 97.430 through 97.435 (TR NO<sub>x</sub> Annual Trading Program), and 97.530 through 97.535 (TR NO<sub>x</sub> Ozone Season Trading Program), as applicable]. The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.
- d) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <http://www.epa.gov/airmarkets/emissions/monitoringplans.html>.
- e) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR part 75, subpart E and 40 CFR 75.66 and 97.435 (TR NO<sub>x</sub> Annual Trading Program), and 97.535 (TR NO<sub>x</sub> Ozone Season Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>
- f) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (TR NO<sub>x</sub> Annual Trading Program), and 97.530 through 97.534 (TR NO<sub>x</sub> Ozone Season Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (TR NO<sub>x</sub> Annual Trading Program), and 97.535 (TR NO<sub>x</sub> Ozone Season Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.
- g) The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (TR NO<sub>x</sub> Annual Trading Program), 97.530 through 97.534 (TR NO<sub>x</sub> Ozone Season Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.
- h) TR NO<sub>x</sub> Annual Trading Program requirements

|  |                          |
|--|--------------------------|
| Designated representative requirements                         | 97.406(a), 97.413-97.418 |
| Emissions monitoring, reporting and recordkeeping requirements | 97.406(b), 97.430-97.435 |
| NO <sub>x</sub> emissions requirements                         | 97.406(c)                |
| Title V permit revision requirements                           | 97.406(d)                |
| Additional recordkeeping and reporting requirements            | 97.406(e)                |
| Liability  | 97.406(f)                |
| Effect on other authorities                                    | 97.406(g)                |



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i) TR NOx Ozone Season Trading Program requirements

|  |                          |
|--|--------------------------|
| Designated representative requirements                         | 97.506(a), 97.513-97.518 |
| Emissions monitoring, reporting and recordkeeping requirements | 97.506(b), 97.530-97.535 |
| NOx emissions requirements                                     | 97.506(c)                |
| Title V permit revision requirements                           | 97.506(d)                |
| Additional recordkeeping and reporting requirements            | 97.506(e)                |
| Liability  | 97.506(f)                |
| Effect on other authorities                                    | 97.506(g)                |

4. The following emissions unit contained in this permit is subject to 40 CFR Part 60, Subparts A and GG, Standards of Performance for Stationary Gas Turbines (NSPS): P001. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District office or local air agency.



**Draft Permit-to-Install**  
OMEGA JV2 Hamilton Peaking Station  
**Permit Number:** P0119753  
**Facility ID:** 1409040897  
**Effective Date:** To be entered upon final issuance

## **C. Emissions Unit Terms and Conditions**



**1. P001, Hamilton GT No.1**

**Operations, Property and/or Equipment Description:**

32 MW (422.57 MMBtu./hr) Natural Gas-Fired Combustion Turbine with Water Injection

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

|    | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures   |
|----|-------------------------------|---|
| a. | OAC rule 3745-31-05(A)(3)     | <p>Particulate emissions (PE) shall not exceed 3 pounds per hour* and 13.14 tons per year (TPY).*</p> <p>Sulfur dioxide (SO<sub>2</sub>) emissions shall not exceed 0.12 pound per hour* and 0.53 TPY.*</p> <p>Carbon monoxide (CO) emissions shall not exceed 263.8 pounds per hour.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 75.7 pounds per hour.</p> <p>Nitrogen oxide (NOx) emissions shall not exceed 71.2 pounds per hour.</p> <p>*The hourly and annual PE and SO<sub>2</sub> emission limitations outlined above are based on the emissions unit's potential to emit (PTE). Therefore, no records are required to demonstrate compliance with these limits.</p> <p>See b)(2)a. and c)(2).</p> <p>The requirements of this rule also</p> |



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|    | Applicable Rules/Requirements   | Applicable Emissions Limitations/Control Measures   |
|----|---|---|
|    |   | includes compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-31-05(D).   |
| b. | OAC rule 3745-31-05(D)<br><br>Synthetic Minor to Avoid Prevention of Significant Deterioration and Nonattainment Area New Source Review | CO emissions shall not exceed 98 TPY as a rolling, 12-month summation of the monthly emissions.<br><br>VOC emissions shall not exceed 30 TPY as a rolling, 12-month summation of the monthly emissions.<br><br>NOx emissions shall not exceed 65 TPY as a rolling, 12-month summation of the monthly emissions.<br><br>See c)(1). |
| c. | OAC rule 3745-17-07(A)  | Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.   |
| d. | OAC rule 3745-17-11(B)(4)   | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
| e. | OAC rule 3745-18-06(A)  | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
| f. | 40 CFR Part 60, Subpart GG<br>[40 CFR 60.330-335]<br>Standards of Performance for Stationary Gas Turbines                               | The emission limitations and control measures specified by this rule are equivalent to, or less stringent than, the emission limitations and control measures established pursuant to OAC rule 3745-31-05(A)(3).  |

(2) Additional Terms and Conditions

- a. The sulfur content of the natural gas burned in this emissions unit shall not exceed 0.05%, by weight. (This sulfur content limitation is at the threshold limit for acid rain monitoring requirements and is more stringent than the sulfur content limitation required by 40 CFR Part 60, Subpart GG.)

- b. If a continuous monitoring system is used to determine compliance with b)(1)a., b)(1)b. or b)(1)f., the permittee shall maintain a written quality assurance/quality control plan for the continuous CO monitoring system, designed to ensure continuous valid and representative readings of CO emissions in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous CO monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

- c. If a continuous monitoring system is used to determine compliance with b)(1)a., b)(1)b. or b)(1)f., the permittee shall maintain a written quality assurance/quality control plan for the continuous NO<sub>x</sub> monitoring system, designed to ensure continuous valid and representative readings of NO<sub>x</sub> emissions in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous NO<sub>x</sub> monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

- d. If a continuous monitoring system is used to determine compliance with b)(1)a., b)(1)b. or b)(1)f., the permittee shall maintain a written quality assurance/quality control plan for the continuous VOC monitoring system, designed to ensure continuous valid and representative readings of VOC emissions in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous VOC monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

- e. If a continuous monitoring system is used to determine compliance with b)(1)a., b)(1)b. or b)(1)f., the continuous emission monitoring system consists of all the equipment used to acquire data to provide a record of emissions and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

- f. If this emission unit meets the requirements of 40 CFR 75.19(a)(1), (a)(2) and (b) the low mass emissions (LME) excepted methodology in 40 CFR 75.19(c) may be used in lieu of continuous emission monitoring systems or, if applicable, in lieu of methods under appendices D, E, and G to 40 CFR Part 75, for the purpose of determining the unit heat input, NO<sub>x</sub>, SO<sub>2</sub>, CO<sub>2</sub>, mass emissions and the NO<sub>x</sub> emission rate under 40 CFR Part 75. If the permittee of qualifying emission unit elect to use the LME methodology, it must be used for all parameters that are required to be monitored by the applicable program(s). For example, SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub> mass emissions, NO<sub>x</sub> emission rate, and Unit Heat Input.
- c) **Operational Restrictions**
- (1) The maximum annual operating hours for this emissions unit shall not exceed 2,250 hours, based upon a rolling, 12-month summation of the operating hours.
  - (2) The permittee shall operate a water injection system for control of NO<sub>x</sub> emissions. The water injection system shall be capable of meeting the emission limitations for NO<sub>x</sub> specified in b)(1).
  - (3) The permittee shall burn only pipeline quality natural gas in this emissions unit.
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall collect and record the following information each month for this emissions unit:
    - a. the operating hours for each month; and
    - b. the rolling, 12-month summation of the operating hours.
  - (2) For each day during which the permittee burns a fuel other than pipeline quality natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
  - (3) The permittee shall monitor and record the sulfur content of the natural gas being fired in this emissions unit on a quarterly basis, in accordance with the permittee's approved custom fuel monitoring schedule, dated May 18, 1999.

Analyses for the purpose of determining the sulfur content of the natural gas may be performed by the permittee, the fuel vendor, or any other qualified agency in accordance with the analytical methods specified in 40 CFR Part 60, Subpart GG, Section 60.335(d).
  - (4) The permittee shall operate and maintain equipment to continuously monitor and record CO emissions from this emissions unit, that meets the requirements specified in 40 CFR Part 60, in units of the applicable standard(s), or use an excepted monitoring system that meets the requirements of 40 CFR 75.19 (Optional NO<sub>x</sub>, SO<sub>2</sub>, and CO<sub>2</sub>, emissions calculation for low mass emissions (LME) units) to continuously monitor and record emission of CO from this emissions unit.

If a continuous monitoring system is used the permittee shall maintain records of data obtained by the continuous CO monitoring system including, but not limited to:

- a. emissions of CO in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;
- b. emissions of CO in pounds per hour and in units of the applicable standard(s) in the appropriate averaging period;
- c. results of quarterly cylinder gas audits;
- d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
- e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);
- f. hours of operation of the emissions unit, continuous CO monitoring system, and control equipment;
- g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous CO monitoring system;
- h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous CO monitoring system; as well as,
- i. the reason (if known) and the corrective actions taken (if any) for each such event in (g) and (h).

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

The permittee shall maintain on-site, the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous CO monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specifications 4 or 4a (as appropriate) and 6. The letter(s)/document(s) of certification shall be made available to the director (the appropriate Ohio EPA District Office or local air agency) upon request.

- (5) In lieu of complying with the water injection system monitoring and testing provisions of 40 CFR 60.334 and 60.345 to demonstrate compliance with the NO<sub>x</sub> emission limitations, the permittee shall operate and maintain equipment to continuously monitor and record NO<sub>x</sub> emissions from this emissions unit that meets the requirements specified in 40 CFR Part 60, in units of the applicable standard(s) or use an excepted monitoring system that meets the requirements of 40 CFR 75.19 (Optional NO<sub>x</sub>, SO<sub>2</sub>, and CO<sub>2</sub>, emissions calculation for low mass emissions (LME) units) to continuously monitor and record emission of NO<sub>x</sub> from this emissions unit.

If a continuous monitoring system is used the permittee shall maintain records of data obtained by the continuous NOx monitoring system including, but not limited to:

- a. emissions of NOx in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;
- b. emissions of NOx in pounds per hour and in units of the applicable standard(s) in the appropriate averaging period;
- c. results of quarterly cylinder gas audits;
- d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
- e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);
- f. hours of operation of the emissions unit, continuous NOx monitoring system, and control equipment;
- g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous NOx monitoring system;
- h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous NOx monitoring system; as well as,
- i. the reason (if known) and the corrective actions taken (if any) for each such event in (g) and (h).

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

The permittee shall maintain on-site, the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous NOx monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specifications 2 and 6. The letter(s)/document(s) of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

If fuel-and-unit-specific NOx emission rates are determined in accordance with 40 CFR 75.19(c)(1)(iv), the permittee shall develop and keep on-site a quality assurance plan which explains the procedures used to document proper operation of the NOx emission controls. The plan shall include the parameters monitored (e.g., water-to-fuel ratio) and the acceptable ranges for each parameter used to determine proper operation of the unit's NOx controls.

- (6) The permittee shall operate and maintain equipment to continuously monitor and record VOC from this emissions unit, that meets the requirements specified in 40 CFR Part 60, in units of the applicable standard(s) with the detection principle of the reference method

specified in the regulation or permit, or use an excepted monitoring system that meets the requirements of 40 CFR 75.19 (Optional NO<sub>x</sub>, SO<sub>2</sub>, and CO<sub>2</sub>, emissions calculation for low mass emissions (LME) units) to continuously monitor and record emission of VOC from this emissions unit.

If a continuous monitoring system is used the permittee shall maintain records of data obtained by the continuous VOC monitoring system including, but not limited to:

- a. emissions of VOCs in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;
- b. emissions of VOCs in pounds per hour and in units of the applicable standard(s) in the appropriate averaging period;
- c. results of quarterly cylinder gas audits;
- d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
- e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);
- f. hours of operation of the emissions unit, continuous VOC monitoring system, and control equipment;
- g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous VOC monitoring system;
- h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous VOC monitoring system; as well as,
- i. the reason (if known) and the corrective actions taken (if any) for each such event in (g) and (h).

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

The permittee shall maintain on-site, the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous VOC monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 6 and Performance Specification 8 or 9 (as appropriate). The letter(s)/document(s) of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

- (7) The permittee shall collect and record the following information on a monthly basis for this emissions unit:

- a. the monthly CO emissions, in tons (i.e., the summation of the hourly CO emissions recorded in d)(4) for all hours of operation during the calendar month divided by 2000 lbs/ton); and
  - b. the updated rolling, 12-month summation of CO emissions, in tons. This shall include information for the current month and the preceding eleven calendar months.
- (8) The permittee shall collect and record the following information on a monthly basis for this emissions unit:
- a. the monthly NOx emissions, in tons (i.e., the summation of the hourly NOx emissions recorded in d)(5) for all hours of operation during the calendar month divided by 2000 lbs/ton); and
  - b. the updated rolling, 12-month summation of NOx emissions, in tons. This shall include information for the current month and the preceding eleven calendar months.
- (9) The permittee shall collect and record the following information on a monthly basis for this emissions unit:
- a. the monthly VOC emissions, in tons (i.e., the summation of the hourly VOC emissions recorded in d)(6) for all hours of operation during the calendar month divided by 2000 lbs/ton); and
  - b. the updated rolling, 12-month summation of VOC emissions, in tons. This shall include information for the current month and the preceding eleven calendar months.
- e) Reporting Requirements
- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than pipeline quality natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
  - (2) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following limitations:
    - a. the rolling, 12-month hours of operation;
    - b. the rolling, 12-month emissions of CO, in tons;
    - c. the rolling, 12-month emissions of VOC, in tons;
    - d. the rolling, 12-month emissions of NOx, in tons; and
    - e. the sulfur content of the natural gas burned in this emissions unit.
  - (3) These quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in the Standard Terms and Conditions of this permit.

The permittee shall submit quarterly reports that identify each period during which an exemption for ice-fog provided in 40 CFR Part 60.332(f) is in effect. The reports shall include the ambient conditions existing during the period, the date and time the air pollution control system was deactivated, and the date and time when the air pollution control system was reactivated. These reports shall be postmarked by April 30, July 30, October 30 and January 30 and shall cover the previous calendar quarters.

- (4) If a continuous monitoring system is used, the permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous CO monitoring system:
- a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of CO emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapter 3745-21, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).
  - b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:
    - i. the facility name and address;
    - ii. the manufacturer and model number of the continuous CO and other associated monitors;
    - iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;
    - iv. the excess emissions report (EER)\*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
    - v. the total CO emissions for the calendar quarter (tons);
    - vi. the total operating time (hours) of the emissions unit;
    - vii. the total operating time of the continuous CO monitoring system while the emissions unit was in operation;
    - viii. results and dates of quarterly cylinder gas audits;

- ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));
- x. unless previously submitted, the results of any relative accuracy test audit showing the continuous CO monitor out-of-control and the compliant results following any corrective actions;
- xi. the date, time, and duration of any/each malfunction\*\* of the continuous CO monitoring system, emissions unit, and/or control equipment;
- xii. the date, time, and duration of any downtime\*\* of the continuous CO monitoring system and/or control equipment while the emissions unit was in operation; and
- xiii. the reason (if known) and the corrective actions taken (if any) for each event in (b)(xi) and (xii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

\* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

\*\* each downtime and malfunction event shall be reported regardless of whether there is an exceedance of any applicable limit.

- (5) If a continuous monitoring system is used, the permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous NOx monitoring system:
  - a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of NOx emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapters 3745-14 and 3745-23, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).
  - b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:
    - i. the facility name and address;

- ii. the manufacturer and model number of the continuous NO<sub>x</sub> and other associated monitors;
- iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;
- iv. the excess emissions report (EER)\*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
- v. the total NO<sub>x</sub> emissions for the calendar quarter (tons);
- vi. the total operating time (hours) of the emissions unit;
- vii. the total operating time of the continuous NO<sub>x</sub> monitoring system while the emissions unit was in operation;
- viii. results and dates of quarterly cylinder gas audits;
- ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));
- x. unless previously submitted, the results of any relative accuracy test audit showing the continuous NO<sub>x</sub> monitor out-of-control and the compliant results following any corrective actions;
- xi. the date, time, and duration of any/each malfunction\*\* of the continuous NO<sub>x</sub> monitoring system, emissions unit, and/or control equipment;
- xii. the date, time, and duration of any downtime\*\* of the continuous NO<sub>x</sub> monitoring system and/or control equipment while the emissions unit was in operation; and
- xiii. the reason (if known) and the corrective actions taken (if any) for each event in (b)(xi) and (xii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

\* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

\*\* each downtime and malfunction event shall be reported regardless of whether there is an exceedance of any applicable limit.

- (6) If a continuous monitoring system is used, the permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous VOC monitoring system:

- a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of VOC emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapter 3745-21, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).
- b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:
  - i. the facility name and address;
  - ii. the manufacturer and model number of the continuous VOC and other associated monitors;
  - iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;
  - iv. the excess emissions report (EER)\*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
  - v. the total VOC emissions for the calendar quarter (tons);
  - vi. the total operating time (hours) of the emissions unit;
  - vii. the total operating time of the continuous VOC monitoring system while the emissions unit was in operation;
  - viii. results and dates of quarterly cylinder gas audits;
  - ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));
  - x. unless previously submitted, the results of any relative accuracy test audit showing the continuous VOC monitor out-of-control and the compliant results following any corrective actions;
  - xi. the date, time, and duration of any/each malfunction\*\* of the continuous VOC monitoring system, emissions unit, and/or control equipment;
  - xii. the date, time, and duration of any downtime\*\* of the continuous VOC monitoring system and/or control equipment while the emissions unit was in operation; and



- xiii. the reason (if known) and the corrective actions taken (if any) for each event in (b)(xi) and (xii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

\* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

\*\* each downtime and malfunction event shall be reported regardless of whether there is an exceedance of any applicable limit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitations:

CO emissions shall not exceed 263.8 pounds per hour.

CO emissions shall not exceed 98 TPY as a rolling, 12-month summation.

Applicable Compliance Method:

Ongoing compliance with the CO emission limitations contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the requirements of 40 CFR Part 60.

- b. Emission Limitations:

VOC emissions shall not exceed 75.7 pounds per hour.

VOC emissions shall not exceed 30 TPY as a rolling, 12-month summation.

Applicable Compliance Method:

Ongoing compliance with the VOC emission limitations contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the requirements of 40 CFR Part 60.



c. Emission Limitations:

NOx emissions shall not exceed 71.2 pounds per hour.

NOx emissions shall not exceed 65 TPY as a rolling, 12-month summation.

Applicable Compliance Method:

Ongoing compliance with the NOx emission limitations contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.

d. Emission Limitations:

Particulate emissions (PE) shall not exceed 3 pounds per hour and 13.14 TPY.

Applicable Compliance Method:

The emission limitations specified above are based upon the emissions unit's potential to emit. Ongoing compliance with the pounds per hour particulate emission limitation may be demonstrated based on the manufacturer's guaranteed emission rate data supplied in the application for PTI 14-04702. The annual emission limitation was established by multiplying the short-term emission limitation by 8760 hours per year and dividing by 2000 pounds per ton.

If required, the permittee shall demonstrate compliance with the pounds per hour particulate emission limitation through emission tests performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

e. Emission Limitations:

SO<sub>2</sub> emissions shall not exceed 0.12 pound per hour and 0.53 TPY.

Applicable Compliance Method:

The emission limitations specified above are based upon the emission unit's potential to emit. Ongoing compliance with the pounds per hour SO<sub>2</sub> emission limitation may be demonstrated based on the manufacturer's guaranteed emission rate data supplied in the application for PTI 14-4702 provided compliance is maintained with the sulfur content limitation in b)(2)a. for the natural gas burned in this emissions unit. The annual emission limitation was established by multiplying the short-term emission limitation by 8760 hours per year and dividing by 2000 pounds per ton.

If required, the permittee shall demonstrate compliance with the pounds per hour SO<sub>2</sub> emission limitation through emission tests performed in accordance with Methods 1-4 and 6 of 40 CFR Part 60, Appendix A.



f. Emission Limitation:

The sulfur content of the natural gas burned in this emissions unit shall not exceed 0.05%, by weight.

Applicable Compliance Method:

Compliance with the sulfur content limitations specified above shall be based on the information collected and recorded as required in d)(3) of the terms and conditions of this permit.

g. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

g) Miscellaneous Requirements

- (1) If continuous emissions monitoring is used, the quality assurance/quality control plan for the continuous nitrogen oxides monitoring system required pursuant to 40 CFR Part 75, Appendix B, must be made available during scheduled inspections and upon request by the Ohio EPA, Central District Office.
- (2) This is an administrative modification to PTI 01-4702 and represents no change in emissions.