



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

9/9/2009

Certified Mail

Liza Mireles
Ottawa County Landfill Gas Power Station
16360 Park Ten Place, Suite 218
Houston, TX 77084

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
Yes	MACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0362010127
Permit Number: P0104534
Permit Type: Administrative Modification
County: Ottawa

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page <http://www.epa.state.oh.us/dapc>.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 Via E-Mail Notification
Ohio EPA DAPC, Northwest District Office

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install
for
Ottawa County Landfill Gas Power Station**

Facility ID: 0362010127
Permit Number: P0104534
Permit Type: Administrative Modification
Issued: 9/9/2009
Effective: 9/9/2009



Air Pollution Permit-to-Install
for
Ottawa County Landfill Gas Power Station

Table of Contents

- Authorization 1
- A. Standard Terms and Conditions 3
 - 1. Federally Enforceable Standard Terms and Conditions 4
 - 2. Severability Clause 4
 - 3. General Requirements 4
 - 4. Monitoring and Related Record Keeping and Reporting Requirements 5
 - 5. Scheduled Maintenance/Malfunction Reporting 6
 - 6. Compliance Requirements 6
 - 7. Best Available Technology 7
 - 8. Air Pollution Nuisance 7
 - 9. Reporting Requirements 7
 - 10. Applicability 8
 - 11. Construction of New Sources(s) and Authorization to Install 8
 - 12. Permit-To-Operate Application 9
 - 13. Construction Compliance Certification 9
 - 14. Public Disclosure 9
 - 15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 9
 - 16. Fees 9
 - 17. Permit Transfers 10
 - 18. Risk Management Plans 10
 - 19. Title IV Provisions 10
- B. Facility-Wide Terms and Conditions 11
- C. Emissions Unit Terms and Conditions 13
 - 1. P001, IC Engine #1 14
 - 2. P002, IC Engine #2 23
 - 3. P003, IC Engine #3 32



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

Authorization

Facility ID: 0362010127
Facility Description: Electric Services
Application Number(s): M0000402
Permit Number: P0104534
Permit Description: Administrative modification to address engine replacement due to unforeseen circumstances (i.e. catastrophic failure) which result in the existing engine being inoperable.
Permit Type: Administrative Modification
Permit Fee: \$600.00
Issue Date: 9/9/2009
Effective Date: 9/9/2009

This document constitutes issuance to:

Ottawa County Landfill Gas Power Station
530 North Camp Road
Port Clinton, OH 43452-9599

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

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

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

Chris Korleski
Director



State of Ohio Environmental Protection Agency
 Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

Authorization (continued)

Permit Number: P0104534
 Permit Description: Administrative modification to address engine replacement due to unforeseen circumstances (i.e. catastrophic failure) which result in the existing engine being inoperable.

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

Emissions Unit ID:	P001
Company Equipment ID:	IC Engine #1
Superseded Permit Number:	03-16007
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P002
Company Equipment ID:	IC Engine #2
Superseded Permit Number:	03-16007
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P003
Company Equipment ID:	IC Engine #3
Superseded Permit Number:	03-16007
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

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 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) The permittee must comply with all terms and conditions of this permit. 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 Ohio EPA DAPC, Northwest District Office.



(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 Ohio EPA DAPC, Northwest District Office. The written reports shall be submitted (i.e., postmarked) 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 (i.e., postmarked) to the Ohio EPA DAPC, Northwest District Office 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 Ohio EPA DAPC, Northwest District Office 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) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

b) 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.

c) 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.
- d) The permittee shall submit progress reports to the Ohio EPA DAPC, Northwest District Office 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 Ohio EPA DAPC, Northwest District Office.
- 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 Ohio EPA DAPC, Northwest District Office. 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



(i.e., postmarked) 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).

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 party 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 through completion of the annual PER covering the last period of operation 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 PER covering the last period the emissions unit operated.



No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a PER, 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 the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online 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 (i.e., postmarked), 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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The Ohio EPA DAPC, Northwest District Office must be notified in writing of any transfer of this permit.

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

C. Emissions Unit Terms and Conditions



1. P001, IC Engine #1

Operations, Property and/or Equipment Description:

1400 bKW landfill gas fired engine

- 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 operations(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. 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)(a)	<p>Nitrogen oxides (NO_x) emission shall not exceed 5.84 pounds per hour (lbs/hr), 25.6 tons per year</p> <p>Carbon monoxide (CO) emissions shall not exceed 12.4 lbs/hr, 54.3 tons/yr</p> <p>Non-methane organic compounds (NMOC) shall not exceed 0.68 lb/hr, 3.0 tons/yr</p> <p>Methane (CH₄) emissions shall not exceed 26.1 lbs/hr, 114.3 tons/yr</p> <p>Sulfur dioxide (SO₂) emissions shall not exceed 0.20 lb/hr, 0.9 ton/yr</p> <p>Particulate emissions (PE) shall not exceed 3.8 tons/yr</p> <p>Visible PE shall not exceed 10% opacity as a six-minute average</p> <p>See b)(2)a. and b)(2)b.</p>
b.	40 CFR 60.752(b)(2)(iii)(C), Subpart WWW	Gas Treatment Requirements, see b)(2)c.
c.	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mmBTU actual heat input
d.	OAC rule 3745-17-07(A)(1)	See b)(2)d.
e.	OAC rule 3745-18-06(G)	See b)(2)e.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
f.	OAC rule 3745-21-08(B)	See b)(2)f.
g.	40 CFR 60. 1-19 (40 CFR 60.4246)	Table 3 to Subpart JJJJ of 40 CFR Part 60 – Applicability of General Provisions to Subpart JJJJ shows which parts of the General Provisions in 40 CFR 60. 1-19 apply. See b)(2)h and b)(2)i.
h.	40 CFR 63.1930	Subpart AAAA, see b)(2)c.
i.	40 CFR 63. 1-15 (40 CFR 63.6665)	Table 8 to Subpart ZZZZ of 40 CFR Part 63 – Applicability of General Provisions to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63. 1-15 apply. See b)(2)i.ix.

(2) Additional Terms and Conditions

- a. The requirements of this rule also includes compliance with the requirements of 40 CFR Part 60, Subpart WWW, 40 CFR Part 63, Subpart AAAA, and OAC rule 3745-17-11(B)(5)(b). It should be noted that the emission limitations of OAC rule 3745-31-05(A)(3)(a) are more stringent than the emission limitations established pursuant to 40 CFR Part 60 Subpart JJJJ (see b)(2)h.].
- b. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of "lean burn technology". BAT requirements also include compliance with the terms and conditions of this permit.
- c. This facility has elected to comply with 40 CFR 60.752(b)(2)(iii) by routing the collected gas to a treatment system that processes the collected gas for subsequent sale or use in accordance with 60.752(b)(2)(iii)(C)

 This facility has committed not to accept any gas from the landfill at any time when the gas cannot be treated. Any untreated gas would instead be diverted to the landfill's flare (in accordance with the landfill's Title V permit). This is sufficient to satisfy the permittee's compliance requirements under MACT Subpart AAAA.
- d. The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3)(a).
- e. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- f. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)(a) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However,



that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- g. The PE limitations are inclusive of and assumed to be PM₁₀.
- h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a) [see b)(2)a.].
- i. The following term and condition addresses the requirements for replacing emissions unit P001 (IC Engine #1) due to unforeseen circumstances (i.e. catastrophic failure) which result in the existing engine being inoperable:
 - i. the replacement engine must be manufactured by Deutz or MWM with a model of TBG 620 V16 K (Deutz) or TCG 2020 V 16 K (MWM), and have the same emissions factors as the existing engine.
 - ii. the replacement engine must not increase the rated capacity, production rate, or throughput of the existing engine.
 - iii. the permittee shall notify the Northwest District Office of the Ohio EPA when an engine replacement is necessary. This notification may be verbally or in writing and must be within five day of the determination that an engine replacement is necessary due to the inoperative state of the existing engine;
 - iv. the permittee shall submit the written notification requested in Section e)(5);
 - v. the replacement engine must comply with all of the terms and conditions of this permit;
 - vi. the Ottawa County Landfill Gas Power Station may install and operate only 3 engines at this facility;
 - vii. if the permittee installs an engine that was manufactured after July 1, 2007, this engine will be subject to the requirements of 40 CFR Subpart JJJJ [see d)(2), e)(4).];
 - viii. if the permittee does not operate and maintain a certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, that engine will be considered a non-certified engine. [See f)(2).]
 - ix. if the permittee installs an engine that was manufactured after July 1, 2007, pursuant to 40 CFR Part 63.6590(c), this engine must meet the requirements of 40 CFR Subpart JJJJ to be in compliance with 40 CFR Part 63, Subpart ZZZZ. No other requirements under 40 CFR Part 63, Subpart ZZZZ apply to this emissions unit.



- j. The 0.062 lbs PE/mmBtu and 3.8 tons PE/year emission limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop any additional monitoring, record keeping or reporting requirements to ensure compliance with these emission limitations.
- k. The 5.84 lbs NOx /hr, 12.4 lbs CO /hr, and 0.20 lbs SO2 /hr emission limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit (based on worst-case emissions testing). Therefore, it is not necessary to develop any additional monitoring, record keeping or reporting requirements to ensure compliance with these emission limitations.

c) Operational Restrictions

- (1) This emissions unit shall burn only landfill gas treated in accordance with Section b)(2)c of this permit.
- (2) The permittee shall install, calibrate, maintain and operate according to the manufacturer's specifications a device at the inlet to the internal combustion engine which completely shuts off gas flow to the internal combustion engine when the internal combustion engine is not operating.
- (3) When the internal combustion engine is not operating, the landfill gas shall be diverted to the existing flare at the Ottawa County Landfill or to an internal combustion engine that is operating.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall record each day when a fuel other than treated landfill gas was burned in this emissions unit.
- (2) If applicable, the permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 60, Subpart JJJJ, including the following sections:

60.4243(a)(1)	certified engine maintenance records
60.4243(a)(2)	non-certified engine maintenance plan and maintenance records
60.4245(a)	documentation and record requirements for certified and non-certified engines

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than treated landfill gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (2) Any breakdown or malfunction resulting in the emission of raw landfill gas to the atmosphere shall be reported to the Northwest District Office of the Ohio EPA within one



hour after the occurrence, or as soon as reasonably possible, and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions to the atmosphere.

- (3) The excursion reports required above are due by the dates described in the General Terms and Conditions of this permit.
- (4) If applicable, the permittee shall submit notifications and reports for non-certified engines to the appropriate Ohio EPA District Office or local air agency as required pursuant to 40 CFR 60, Subpart JJJJ, including the following sections:

60.4245(c)	non-certified engine notification
60.4245(d)	due date for stack test reports

- (5) In the event of unforeseen circumstances (i.e. catastrophic failure) which results in the existing engine being inoperable, the permittee must submit a written statement to the Northwest District Office of the Ohio EPA. The statement must be submitted within 30 days of the installation of the replacement engine and shall include the following information:
 - a. The manufacture date for the replacement engine.
 - b. The manufacturer, model number and serial number for the replacement engine.
 - c. The installation and startup dates for the replacement engine.
 - d. An affirmation from the permittee, that the replacement engine will be operated in compliance with the terms and conditions of this permit.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
5.84 lbs NO_x/hr, 25.6 tons NO_x/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable NO_x emission limitation by testing in accordance with Methods 1 – 4 and 7 of 40 CFR Part 60, Appendix A.

[On September 7, 2001, the permittee conducted emission testing that demonstrated compliance with the allowable hourly NO_x emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760



hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

b. Emission Limitation:

12.4 lbs CO/hr, 54.3 tons CO/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable CO emission limitation by testing in accordance with Methods 1 – 4 and 10 of 40 CFR Part 60, Appendix A.

[On September 7, 2001, the permittee conducted emission testing that demonstrated compliance with the allowable hourly CO emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

c. Emission Limitation:

0.68 lb NMOC/hr; 3.0 tons NMOC/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable NMOC emission limitation by testing in accordance with Methods 1 – 4 and 18, 25, or 25A , as appropriate, of 40 CFR Part 60, Appendix A.

[NMOC emissions testing was conducted on a similar unit (see P003) on October 6, 2004. That test demonstrated compliance with the allowable hourly NMOC emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

d. Emission Limitation:

0.20 lb SO₂/hr, 0.9 ton SO₂/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable SO₂ emission limitation by testing in accordance with Methods 1 – 4 and 6* of 40 CFR Part 60, Appendix A.

[SO₂ emissions testing was conducted on a similar unit (see P003) on October 6, 2004. That test demonstrated compliance with the allowable hourly SO₂ emission limitation.]



* In lieu of performance testing, the permittee may sample the sulfur content of the fuel to demonstrate compliance with the allowable mass emission rate.

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

e. Emission Limitation:

26.1 lbs CH₄/hr, 114.3 tons CH₄/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable methane emission limitation by testing in accordance with Methods 1 – 4 and 18, 25, of 40 CFR Part 60, Appendix A, as applicable.

[Methane emissions testing was conducted on a similar unit (see P003) on October 6, 2004. That test demonstrated compliance with the allowable hourly methane emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

f. Emission Limitation:

0.062 lb PE/mmBtu actual heat input, 3.8 tons PE/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable PE emission limitation by testing in accordance with Methods 1 - 4, and 5 of 40 CFR Part 60, Appendix A.

[PE emissions testing was conducted on a similar unit (see P002) on August 30, 2001. That test demonstrated compliance with the allowable hourly PE emission limitation.]

The annual limitation was established by multiplying the lb/mmBTU emission limitation by the capacity of the unit and a maximum operating schedule of 8,760 hours per year and dividing by 2000 lbs/ton. Therefore provided compliance is demonstrated with the lb/mmBtu limitation, compliance with the annual limitation will be assumed.

g. Emission Limitation:

Visible PE shall not exceed 10% opacity, as a six-minute average



Applicable Compliance Method:

If required, compliance with the visible PE limitations shall be determined in accordance with the test methods and procedures in Method 9 of 40 CFR Part 60, Appendix A.

- (2) If a non-certified engine is installed at the facility, and the engine was manufactured after July 1, 2007, the permittee shall conduct emission testing for this emissions unit in accordance with the following requirements:
- a. The emissions testing shall be conducted within one year of engine startup and conduct subsequent performance testing every 8,760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.
 - b. The emission testing shall be conducted to demonstrate compliance with the following limits:
 - i. the mass emission limitations of 5.84 lbs NO_x/hr, 12.4 lbs CO/hr and 0.68 lb NMOC/hr.
 - c. The following test methods shall be employed to demonstrate compliance with the above emission limitations:
 - i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;
 - ii. for NO_x - Method 7 of 40 CFR Part 60, Appendix A;
 - iii. for CO - Method 10 of 40 CFR Part 60, Appendix A;
 - iv. for NMOC - Methods 18, 25, or 25A , as appropriate, of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

- d. The tests shall be conducted while this emissions unit is operating at its maximum capacity and meet the testing requirements in 40 CFR 60.4244, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emissions tests.
- e. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install
Permit Number: P0104534
Facility ID: 0362010127
Effective Date: 9/9/2009

the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 60 days following completion of the tests.

g) Miscellaneous Requirements

- (1) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
- (2) This permit action (P0104534) supersedes the requirements of PTI 03-16007 issued on October 16, 2003 and modified on April 4, 2006.



2. P002, IC Engine #2

Operations, Property and/or Equipment Description:

1400 bKW landfill gas fired engine

- 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 operations(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. 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)(a)	<p>Nitrogen oxides (NOx) emission shall not exceed 5.84 pounds per hour (lbs/hr), 25.6 tons per year</p> <p>Carbon monoxide (CO) emissions shall not exceed 12.4 lbs/hr, 54.3 tons/yr</p> <p>Non-methane organic compounds (NMOC) shall not exceed 0.68 lb/hr, 3.0 tons/yr</p> <p>Methane (CH₄) emissions shall not exceed 26.1 lbs/hr, 114.3 tons/yr</p> <p>Sulfur dioxide (SO₂) emissions shall not exceed 0.20 lb/hr, 0.9 ton/yr</p> <p>Particulate emissions (PE) shall not exceed 3.8 tons/yr</p> <p>Visible PE shall not exceed 10% opacity as a six-minute average</p> <p>See b)(2)a. and b)(2)b.</p>
b.	40 CFR 60.752(b)(2)(iii)(C), Subpart WWW	Gas Treatment Requirements, see b)(2)c.
c.	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mmBTU actual heat input
d.	OAC rule 3745-17-07(A)(1)	See b)(2)d.
e.	OAC rule 3745-18-06(G)	See b)(2)e.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
f.	OAC rule 3745-21-08(B)	See b)(2)f.
g.	40 CFR 60. 1-19 (40 CFR 60.4246)	Table 3 to Subpart JJJJ of 40 CFR Part 60 – Applicability of General Provisions to Subpart JJJJ shows which parts of the General Provisions in 40 CFR 60. 1-19 apply. See b)(2)h and b)(2)i.
h.	40 CFR 63.1930	Subpart AAAA, see b)(2)c.
i.	40 CFR 63. 1-15 (40 CFR 63.6665)	Table 8 to Subpart ZZZZ of 40 CFR Part 63 – Applicability of General Provisions to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63. 1-15 apply. See b)(2)i.ix.

(2) Additional Terms and Conditions

- a. The requirements of this rule also includes compliance with the requirements of 40 CFR Part 60, Subpart WWW, 40 CFR Part 63, Subpart AAAA, and OAC rule 3745-17-11(B)(5)(b). It should be noted that the emission limitations of OAC rule 3745-31-05(A)(3)(a) are more stringent than the emission limitations established pursuant to 40 CFR Part 60 Subpart JJJJ (see b)(2)h.].
- b. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of "lean burn technology". BAT requirements also include compliance with the terms and conditions of this permit.
- c. This facility has elected to comply with 40 CFR 60.752(b)(2)(iii) by routing the collected gas to a treatment system that processes the collected gas for subsequent sale or use in accordance with 60.752(b)(2)(iii)(C)

This facility has committed not to accept any gas from the landfill at any time when the gas cannot be treated. Any untreated gas would instead be diverted to the landfill's flare (in accordance with the landfill's Title V permit). This is sufficient to satisfy the permittee's compliance requirements under MACT Subpart AAAA.
- d. The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3)(a).
- e. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- f. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)(a) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However,



that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- g. The PE limitations are inclusive of and assumed to be PM₁₀.
- h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a) [see b)(2)a.].
- i. The following term and condition addresses the requirements for replacing emissions unit P001 (IC Engine #1) due to unforeseen circumstances (i.e. catastrophic failure) which result in the existing engine being inoperable:
 - i. the replacement engine must be manufactured by Deutz or MWM with a model of TBG 620 V16 K (Deutz) or TCG 2020 V 16 K (MWM), and have the same emissions factors as the existing engine.
 - ii. the replacement engine must not increase the rated capacity, production rate, or throughput of the existing engine.
 - iii. the permittee shall notify the Northwest District Office of the Ohio EPA when an engine replacement is necessary. This notification may be verbally or in writing and must be within five day of the determination that an engine replacement is necessary due to the inoperative state of the existing engine;
 - iv. the permittee shall submit the written notification requested in Section e)(5);
 - v. the replacement engine must comply with all of the terms and conditions of this permit;
 - vi. the Ottawa County Landfill Gas Power Station may install and operate only 3 engines at this facility;
 - vii. if the permittee installs an engine that was manufactured after July 1, 2007, this engine will be subject to the requirements of 40 CFR Subpart JJJJ [see d)(2), e)(4).];
 - viii. if the permittee does not operate and maintain a certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, that engine will be considered a non-certified engine. [See f)(2).]
 - ix. if the permittee installs an engine that was manufactured after July 1, 2007, pursuant to 40 CFR Part 63.6590(c), this engine must meet the requirements of 40 CFR Subpart JJJJ to be in compliance with 40 CFR Part 63, Subpart ZZZZ. No other requirements under 40 CFR Part 63, Subpart ZZZZ apply to this emissions unit.



- j. The 0.062 lbs PE/mmBtu and 3.8 tons PE/year emission limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop any additional monitoring, record keeping or reporting requirements to ensure compliance with these emission limitations.
- k. The 5.84 lbs NOx /hr, 12.4 lbs CO /hr, and 0.20 lbs SO2 /hr emission limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit (based on worst-case emissions testing). Therefore, it is not necessary to develop any additional monitoring, record keeping or reporting requirements to ensure compliance with these emission limitations.

c) Operational Restrictions

- (1) This emissions unit shall burn only landfill gas treated in accordance with Section b)(2)c of this permit.
- (2) The permittee shall install, calibrate, maintain and operate according to the manufacturer's specifications a device at the inlet to the internal combustion engine which completely shuts off gas flow to the internal combustion engine when the internal combustion engine is not operating.
- (3) When the internal combustion engine is not operating, the landfill gas shall be diverted to the existing flare at the Ottawa County Landfill or to an internal combustion engine that is operating.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall record each day when a fuel other than treated landfill gas was burned in this emissions unit.
- (2) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 60, Subpart JJJJ, including the following sections:

60.4243(a)(1)	certified engine maintenance records
60.4243(a)(2)	non-certified engine maintenance plan and maintenance records
60.4245(a)	documentation and record requirements for certified and non-certified engines

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than treated landfill gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (2) Any breakdown or malfunction resulting in the emission of raw landfill gas to the atmosphere shall be reported to the Northwest District Office of the Ohio EPA within one hour after the occurrence, or as soon as reasonably possible, and immediate remedial



measures shall be undertaken to correct the problem and prevent further emissions to the atmosphere.

- (3) The excursion reports required above are due by the dates described in the General Terms and Conditions of this permit.
- (4) The permittee shall submit notifications and reports for non-certified engines to the appropriate Ohio EPA District Office or local air agency as required pursuant to 40 CFR 60, Subpart JJJJ, including the following sections:

60.4245(c)	non-certified engine notification
60.4245(d)	due date for stack test reports

- (5) In the event of a catastrophic failure of the one of the existing engines, the permittee must submit a written statement to the Northwest District Office of the Ohio EPA. The statement must be submitted within 30 days of the installation of the replacement engine and shall include the following information:
 - a. The manufacture date for the replacement engine.
 - b. The manufacturer, model number and serial number for the replacement engine.
 - c. The installation and startup dates for the replacement engine.
 - d. An affirmation from the permittee, that the replacement engine will be operated in compliance with the terms and conditions of this permit.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
5.84 lbs NO_x/hr, 25.6 tons NO_x/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable NO_x emission limitation by testing in accordance with Methods 1 – 4 and 7 of 40 CFR Part 60, Appendix A.

[On August 30, 2001, the permittee conducted emission testing that demonstrated compliance with the allowable hourly NO_x emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.



b. Emission Limitation:

12.4 lbs CO/hr, 54.3 tons CO/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable CO emission limitation by testing in accordance with Methods 1 – 4 and 10 of 40 CFR Part 60, Appendix A.

[On August 30, 2001, the permittee conducted emission testing that demonstrated compliance with the allowable hourly CO emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

c. Emission Limitation:

0.68 lb NMOC/hr; 3.0 tons NMOC/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable NMOC emission limitation by testing in accordance with Methods 1 – 4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

[NMOC emissions testing was conducted on a similar unit (see P003) on October 6, 2004. That test demonstrated compliance with the allowable hourly NMOC emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

d. Emission Limitation:

0.20 lb SO₂/hr, 0.9 ton SO₂/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable SO₂ emission limitation by testing in accordance with Methods 1 – 4 and 6* of 40 CFR Part 60, Appendix A.

[SO₂ emissions testing was conducted on a similar unit (see P003) on October 6, 2004. That test demonstrated compliance with the allowable hourly SO₂ emission limitation.]

* In lieu of performance testing, the permittee may sample the sulfur content of the fuel to demonstrate compliance with the allowable mass emission rate.



The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

e. Emission Limitation:

26.1 lbs CH₄/hr, 114.3 tons CH₄/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable methane emission limitation by testing in accordance with Methods 1 – 4 and 18, 25, of 40 CFR Part 60, Appendix A, as applicable.

[Methane emissions testing was conducted on a similar unit (see P003) on October 6, 2004. That test demonstrated compliance with the allowable hourly Methane emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

f. Emission Limitation:

0.062 lb PE/mmBtu actual heat input, 3.8 tons PE/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable PE emission limitation by testing in accordance with Methods 1 - 4, and 5 of 40 CFR Part 60, Appendix A.

[On August 30, 2001, the permittee conducted emissions testing that demonstrated compliance with the allowable lb/mmBTU PE emission limitation.]

The annual limitation was established by multiplying the lb/mmBTU emission limitation by the capacity of the unit and a maximum operating schedule of 8,760 hours per year and dividing by 2000 lbs/ton. Therefore provided compliance is demonstrated with the lb/mmBtu limitation, compliance with the annual limitation will be assumed.

g. Emission Limitation:

Visible PE shall not exceed 10% opacity, as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible PE limitations shall be determined in accordance with the test methods and procedures in Method 9 of 40 CFR Part 60, Appendix A.



- (2) If a non-certified engine is installed at the facility, and the engine was manufactured after July 1, 2007, the permittee shall conduct emission testing for this emissions unit in accordance with the following requirements:
- a. The emissions testing shall be conducted within one year of engine startup and conduct subsequent performance testing every 8,760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.
 - b. The emission testing shall be conducted to demonstrate compliance with the following limits:
 - i. the mass emission limitations of 5.84 lbs NO_x/hr, 12.4 lbs CO/hr and 0.68 lb NMOC/hr.
 - c. The following test methods shall be employed to demonstrate compliance with the above emission limitations:
 - i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;
 - ii. for NO_x - Method 7 of 40 CFR Part 60, Appendix A;
 - iii. for CO - Method 10 of 40 CFR Part 60, Appendix A;
 - iv. for NMOC - Methods 18, 25, or 25A , as appropriate, of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

- d. The tests shall be conducted while this emissions unit is operating at its maximum capacity and meet the testing requirements in 40 CFR 60.4244, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emissions tests.
- e. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 60 days following completion of the tests.



g) Miscellaneous Requirements

- (1) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
- (2) PTI # P0104534 supersedes the requirements of PTI # 03-16007 for emission units P001, P002 and P003.



3. P003, IC Engine #3

Operations, Property and/or Equipment Description:

1400 bKW landfill gas fired engine

- 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 operations(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. 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)(a)	<p>Nitrogen oxides (NOx) emission shall not exceed 5.84 pounds per hour (lbs/hr), 25.6 tons per year</p> <p>Carbon monoxide (CO) emissions shall not exceed 12.4 lbs/hr, 54.3 tons/yr</p> <p>Non-methane organic compounds (NMOC) shall not exceed 0.68 lb/hr, 3.0 tons/yr</p> <p>Methane (CH₄) emissions shall not exceed 26.1 lbs/hr, 114.3 tons/yr</p> <p>Sulfur dioxide (SO₂) emissions shall not exceed 0.20 lb/hr, 0.9 ton/yr</p> <p>Particulate emissions (PE) shall not exceed 3.8 tons/yr</p> <p>Visible PE shall not exceed 10% opacity as a six-minute average</p> <p>See b)(2)a. and b)(2)b.</p>
b.	40 CFR 60.752(b)(2)(iii)(C), Subpart WWW	Gas Treatment Requirements, see b)(2)c.
c.	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mmBTU actual heat input
d.	OAC rule 3745-17-07(A)(1)	See b)(2)d.
e.	OAC rule 3745-18-06(G)	See b)(2)e.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
f.	OAC rule 3745-21-08(B)	See b)(2)f.
g.	40 CFR 60. 1-19 (40 CFR 60.4246)	Table 3 to Subpart JJJJ of 40 CFR Part 60 – Applicability of General Provisions to Subpart JJJJ shows which parts of the General Provisions in 40 CFR 60. 1-19 apply. See b)(2)h and b)(2)i.
h.	40 CFR 63.1930	Subpart AAAA, see b)(2)c.
i.	40 CFR 63. 1-15 (40 CFR 63.6665)	Table 8 to Subpart ZZZZ of 40 CFR Part 63 – Applicability of General Provisions to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63. 1-15 apply. See b)(2)i.ix.

(2) Additional Terms and Conditions

- a. The requirements of this rule also includes compliance with the requirements of 40 CFR Part 60, Subpart WWW, 40 CFR Part 63, Subpart AAAA, and OAC rule 3745-17-11(B)(5)(b). It should be noted that the emission limitations of OAC rule 3745-31-05(A)(3)(a) are more stringent than the emission limitations established pursuant to 40 CFR Part 60 Subpart JJJJ (see b)(2)h.].
- b. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of "lean burn technology". BAT requirements also include compliance with the terms and conditions of this permit.
- c. This facility has elected to comply with 40 CFR 60.752(b)(2)(iii) by routing the collected gas to a treatment system that processes the collected gas for subsequent sale or use in accordance with 60.752(b)(2)(iii)(C)

This facility has committed not to accept any gas from the landfill at any time when the gas cannot be treated. Any untreated gas would instead be diverted to the landfill's flare (in accordance with the landfill's Title V permit). This is sufficient to satisfy the permittee's compliance requirements under MACT Subpart AAAA.
- d. The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3)(a).
- e. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- f. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)(a) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However,



that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- g. The PE limitations are inclusive of and assumed to be PM₁₀.
- h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a) [see b)(2)a.].
- i. The following term and condition addresses the requirements for replacing emissions unit P001 (IC Engine #1) due to unforeseen circumstances (i.e. catastrophic failure) which result in the existing engine being inoperable:
 - i. the replacement engine must be manufactured by Deutz or MWM with a model of TBG 620 V16 K (Deutz) or TCG 2020 V 16 K (MWM), and have the same emissions factors as the existing engine.
 - ii. the replacement engine must not increase the rated capacity, production rate, or throughput of the existing engine.
 - iii. the permittee shall notify the Northwest District Office of the Ohio EPA when an engine replacement is necessary. This notification may be verbally or in writing and must be within five day of the determination that an engine replacement is necessary due to the inoperative state of the existing engine;
 - iv. the permittee shall submit the written notification requested in Section e)(5);
 - v. the replacement engine must comply with all of the terms and conditions of this permit;
 - vi. the Ottawa County Landfill Gas Power Station may install and operate only 3 engines at this facility;
 - vii. if the permittee installs an engine that was manufactured after July 1, 2007, this engine will be subject to the requirements of 40 CFR Subpart JJJJ [see d)(2), e)(4).];
 - viii. if the permittee does not operate and maintain a certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, that engine will be considered a non-certified engine. [See f)(2).]
 - ix. if the permittee installs an engine that was manufactured after July 1, 2007, pursuant to 40 CFR Part 63.6590(c), this engine must meet the requirements of 40 CFR Subpart JJJJ to be in compliance with 40 CFR Part 63, Subpart ZZZZ. No other requirements under 40 CFR Part 63, Subpart ZZZZ apply to this emissions unit.



- j. The 0.062 lbs PE/mmBtu and 3.8 tons PE/year emission limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop any additional monitoring, record keeping or reporting requirements to ensure compliance with these emission limitations.
- k. The 5.84 lbs NOx /hr, 12.4 lbs CO /hr, and 0.20 lbs SO2 /hr emission limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit (based on worst-case emissions testing). Therefore, it is not necessary to develop any additional monitoring, record keeping or reporting requirements to ensure compliance with these emission limitations.

c) Operational Restrictions

- (1) This emissions unit shall burn only landfill gas treated in accordance with Section b)(2)c of this permit.
- (2) The permittee shall install, calibrate, maintain and operate according to the manufacturer's specifications a device at the inlet to the internal combustion engine which completely shuts off gas flow to the internal combustion engine when the internal combustion engine is not operating.
- (3) When the internal combustion engine is not operating, the landfill gas shall be diverted to the existing flare at the Ottawa County Landfill or to an internal combustion engine that is operating.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall record each day when a fuel other than treated landfill gas was burned in this emissions unit.
- (2) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 60, Subpart JJJJ, including the following sections:

60.4243(a)(1)	certified engine maintenance records
60.4243(a)(2)	non-certified engine maintenance plan and maintenance records
60.4245(a)	documentation and record requirements for certified and non-certified engines

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than treated landfill gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (2) Any breakdown or malfunction resulting in the emission of raw landfill gas to the atmosphere shall be reported to the Northwest District Office of the Ohio EPA within one hour after the occurrence, or as soon as reasonably possible, and immediate remedial



measures shall be undertaken to correct the problem and prevent further emissions to the atmosphere.

- (3) The excursion reports required above are due by the dates described in the General Terms and Conditions of this permit.
- (4) The permittee shall submit notifications and reports for non-certified engines to the appropriate Ohio EPA District Office or local air agency as required pursuant to 40 CFR 60, Subpart JJJJ, including the following sections:

60.4245(c)	non-certified engine notification
60.4245(d)	due date for stack test reports

- (5) In the event of a catastrophic failure of the one of the existing engines, the permittee must submit a written statement to the Northwest District Office of the Ohio EPA. The statement must be submitted within 30 days of the installation of the replacement engine and shall include the following information:
 - a. The manufacture date for the replacement engine.
 - b. The manufacturer, model number and serial number for the replacement engine.
 - c. The installation and startup dates for the replacement engine.
 - d. An affirmation from the permittee, that the replacement engine will be operated in compliance with the terms and conditions of this permit.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
 5.84 lbs NO_x/hr, 25.6 tons NO_x/yr
 Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable NO_x emission limitation by testing in accordance with Methods 1 – 4 and 7 of 40 CFR Part 60, Appendix A.

[On October 6, 2004, the permittee conducted emission testing that demonstrated compliance with the allowable hourly NO_x emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.



b. Emission Limitation:

12.4 lbs CO/hr, 54.3 tons CO/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable CO emission limitation by testing in accordance with Methods 1 – 4 and 10 of 40 CFR Part 60, Appendix A.

[On October 6, 2004, the permittee conducted emission testing that demonstrated compliance with the allowable hourly CO emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

c. Emission Limitation:

0.68 lb NMOC/hr; 3.0 tons NMOC/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable NMOC emission limitation by testing in accordance with Methods 1 – 4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

[On October 6, 2004, the permittee conducted emission testing that demonstrated compliance with the allowable hourly NMOC emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

d. Emission Limitation:

0.20 lb SO₂/hr, 0.9 ton SO₂/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable SO₂ emission limitation by testing in accordance with Methods 1 – 4 and 6* of 40 CFR Part 60, Appendix A.

[On October 6, 2004, the permittee conducted emissions testing that demonstrated compliance with the allowable hourly SO₂ emission limitation.]

* In lieu of performance testing, the permittee may sample the sulfur content of the fuel to demonstrate compliance with the allowable mass emission rate.



The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

e. Emission Limitation:

26.1 lbs CH₄/hr, 114.3 tons CH₄/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable methane emission limitation by testing in accordance with Methods 1 – 4 and 18, 25, of 40 CFR Part 60, Appendix A, as applicable.

[On October 6, 2004, the permittee conducted emissions testing that demonstrated compliance with the allowable hourly methane emission limitation.]

The annual emission limitation was developed by multiplying the respective hourly emission limitation by the maximum operating schedule of 8760 hours/year, and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

f. Emission Limitation:

0.062 lb PE/mmBtu actual heat input, 3.8 tons PE/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly allowable PE emission limitation by testing in accordance with Methods 1 - 4, and 5 of 40 CFR Part 60, Appendix A.

[PE emissions testing was conducted on a similar unit (see P002) on August 30, 2001. That test demonstrated compliance with the allowable lb/mmBTU PE emission limitation.]

The annual limitation was established by multiplying the lb/mmBTU emission limitation by the capacity of the unit and a maximum operating schedule of 8,760 hours per year and dividing by 2000 lbs/ton. Therefore provided compliance is demonstrated with the lb/mmBtu limitation, compliance with the annual limitation will be assumed.

g. Emission Limitation:

Visible PE shall not exceed 10% opacity, as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible PE limitations shall be determined in accordance with the test methods and procedures in Method 9 of 40 CFR Part 60, Appendix A.



- (2) If a non-certified engine is installed at the facility, and the engine was manufactured after July 1, 2007, the permittee shall conduct emission testing for this emissions unit in accordance with the following requirements:
- a. The emissions testing shall be conducted within one year of engine startup and conduct subsequent performance testing every 8,760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.
 - b. The emission testing shall be conducted to demonstrate compliance with the following limits:
 - i. the mass emission limitations of 5.84 lbs NO_x/hr, 12.4 lbs CO/hr and 0.68 lb NMOC/hr.
 - c. The following test methods shall be employed to demonstrate compliance with the above emission limitations:
 - i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;
 - ii. for NO_x - Method 7 of 40 CFR Part 60, Appendix A;
 - iii. for CO - Method 10 of 40 CFR Part 60, Appendix A;
 - iv. for NMOC - Methods 18, 25, or 25A , as appropriate, of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

- d. The tests shall be conducted while this emissions unit is operating at its maximum capacity and meet the testing requirements in 40 CFR 60.4244, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emissions tests.
- e. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 60 days following completion of the tests.



g) Miscellaneous Requirements

- (1) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
- (2) PTI # P0104534 supersedes the requirements of PTI # 03-16007 for emission units P001, P002 and P003.