



7/2/2014

Certified Mail

LANCE GRIMES
METALICO YOUNGSTOWN, INC.
100 DIVISION ST.
YOUNGSTOWN, OH 44510

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0250110966
Permit Number: P0107593
Permit Type: Renewal
County: Mahoning

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

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. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
METALICO YOUNGSTOWN, INC.**

Facility ID:	0250110966
Permit Number:	P0107593
Permit Type:	Renewal
Issued:	7/2/2014
Effective:	7/2/2014
Expiration:	7/2/2019



Division of Air Pollution Control
Permit-to-Install and Operate
for
METALICO YOUNGSTOWN, INC.

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Final Permit-to-Install and Operate
METALICO YOUNGSTOWN, INC.
Permit Number: P0107593
Facility ID: 0250110966
Effective Date: 7/2/2014

Authorization

Facility ID: 0250110966
Application Number(s): A0016577, A0040970
Permit Number: P0107593
Permit Description: FEPTIO renewal permit for a metal scrap shredding operation, including roadways, storage piles, material handling, shredding and two (2) natural gas-fired engines.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 7/2/2014
Effective Date: 7/2/2014
Expiration Date: 7/2/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

METALICO YOUNGSTOWN, INC.
100 DIVISION STREET
Youngstown, OH 44510

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

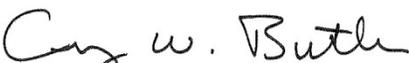
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)425-9171

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Authorization (continued)

Permit Number: P0107593

Permit Description: FEPTIO renewal permit for a metal scrap shredding operation, including roadways, storage piles, material handling, shredding and two (2) natural gas-fired engines.

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

Emissions Unit ID: F001
 Company Equipment ID: Plant Roadways and Parking Lots
 Superseded Permit Number: 02-10926
 General Permit Category and Type: Not Applicable

Emissions Unit ID: F002
 Company Equipment ID: Storage Piles of Shredded Material
 Superseded Permit Number: 02-10926
 General Permit Category and Type: Not Applicable

Emissions Unit ID: F003
 Company Equipment ID: Material Handling
 Superseded Permit Number: 02-10926
 General Permit Category and Type: Not Applicable

Emissions Unit ID: F004
 Company Equipment ID: Hammermill Shredding
 Superseded Permit Number: 02-10926
 General Permit Category and Type: Not Applicable

Group Name: Natural gas engines

Emissions Unit ID:	P001
Company Equipment ID:	Natural Gas Engine #1
Superseded Permit Number:	02-10926
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P002
Company Equipment ID:	Natural Gas Engine #2
Superseded Permit Number:	02-10926
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
METALICO YOUNGSTOWN, INC.
Permit Number: P0107593
Facility ID: 0250110966
Effective Date: 7/2/2014

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is



very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions of this permit will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the [DO/LAA] in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means 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.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.



13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



Final Permit-to-Install and Operate
METALICO YOUNGSTOWN, INC.
Permit Number: P0107593
Facility ID: 0250110966
Effective Date: 7/2/2014

B. Facility-Wide Terms and Conditions



1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.
2. The Ohio EPA has determined that this facility may be subject to the requirements of the area source MACT/GACT rule (40 CFR Part 63, Subpart ZZZZ) that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>



Final Permit-to-Install and Operate
METALICO YOUNGSTOWN, INC.
Permit Number: P0107593
Facility ID: 0250110966
Effective Date: 7/2/2014

C. Emissions Unit Terms and Conditions



1. F001, Plant Roadways and Parking Lots

Operations, Property and/or Equipment Description:

Plant Roadways and Parking Lots

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. 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)	Particulate emissions (PE) shall not exceed 3.51 TPY. There shall be no visible PE from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see b)(2)a. through b)(2)g. below).
b.	OAC rule 3745-17-07(B)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B)	See b)(2)a. through b)(2)e. below.



(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- c. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled by flushing with water. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any sixty-minute observation period.
- d. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- e. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- f. A maximum speed limit of 10 miles per hour shall be posted on the property.
- g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

c) Operational Restrictions

- (1) None.



d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all roads and parking areas	daily

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- (3) The permittee may, upon receipt of written approval from the Ohio EPA Northeast District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- (4) The permittee shall maintain records of the following information:
- the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - the dates the control measures were implemented; and
 - on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) 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 District Office or 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 required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.

- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

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 Limitation:

PE shall not exceed 3.51 TPY

Applicable Compliance Method:

Compliance with the emission limit shall be determined by using the emission factor equations in Section 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 11/06) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. A maximum vehicle miles traveled per year of 7000 and a control efficiency of 80% for use of dust suppressant were used in the calculation.

b. Emission Limitation:

There shall be no visible PE from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any sixty-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

- (1) None.



2. F002, Storage Piles of Shredded Material

Operations, Property and/or Equipment Description:

Storage piles of shredded material, both ferrous and non-ferrous, including load-in, load-out and wind erosion

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. 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)	Particulate emissions (PE) shall not exceed 0.45 lb/hr and 1.0 TPY. There shall be no visible PE from any storage pile except for a period of time not to exceed one minute during any 60-minute observation period. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see b)(2)a. through b)(2)h. below).
b.	OAC rule 3745-17-07(B)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B)	See b)(2)a. through b)(2)e. below.



(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to maintain minimal drop heights for stackers and front-loaders, and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies to ensure compliance.
- b. The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- d. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the application, the permittee has committed to perform one or more of the following: (chemical stabilization, watering/sprinkling systems/hoses, covering the storage piles) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- f. The shredded non-ferrous material storage piles shall be enclosed to the extent possible.
- g. The moisture content of the shredded material shall be maintained sufficiently high enough to meet the visible emission limit specified above during all operations associated with the shredded product storage piles.
- h. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).



- i. Per the Consent Order filed November 8, 2010, the following terms apply:
 - i. Shredded tramp material (i.e., fluff) shall be stored on a concrete pad or in an enclosed container.
 - ii. If any storage pile of accumulated shredded tramp material (fluff) or nonferrous shredded materials exceeds 900 cubic yards the permittee shall promptly contact Ohio EPA Northeast District Office. The permittee shall then have fourteen (14) days to reduce the identified pile to less than 900 cubic yards.
 - iii. All shredded tramp material (fluff), ferrous shredded materials, and nonferrous shredded materials shall be kept wetted as needed to control fugitive PE.
 - iv. All shredded tramp material (fluff), ferrous shredded materials, and nonferrous shredded materials on site shall be on concrete pads, with the exception of material in trucks and/or railcars and awaiting shipment.
 - j. The potential PE of this emissions unit is based on the maximum shredder production of 224,640 tons per year. Therefore, no additional monitoring and record keeping is necessary.
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all	daily
 - (2) Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
all	daily
 - (3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
all	daily



- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
- (6) The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in d)(6)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) 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 District Office or 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 required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.



- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- 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. Emissions Limitations:

PE shall not exceed 0.45 lb/hr and 1.0 TPY

Applicable Compliance Method:

Compliance with fugitive PE limitations shall be determined by using the emission factor equations in Sections 13.2.4 and 13.2.5, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 1/95), for load-in operations, load-out operations, and wind erosion.
 - b. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute in any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible PE limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").
- g) Miscellaneous Requirements
- (1) None.



3. F003, Material Handling

Operations, Property and/or Equipment Description:

Material Handling

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. 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)	Particulate emissions (PE) shall not exceed 5.4 lbs/hr and 11.8 TPY. Visible PE shall not exceed 5% opacity, as a six-minute average. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see b)(2)a. through b)(2)e. below).
b.	OAC rule 3745-17-07(B)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B)	See b)(2)a. through b)(2)e. below.



- (2) Additional Terms and Conditions
 - a. Belt conveyors shall be equipped with 12 inch high sides.
 - b. All transfer points shall be enclosed to the extent possible.
 - c. Drop heights between all conveyors shall be minimized.
 - d. Air shall not be used as the mechanism to separate non-ferrous materials and tramp materials (i.e., fluff) from ferrous materials.
 - e. The moisture content of all processed material shall be maintained sufficiently high enough to meet the visible emission limit specified above during all operations associated with material handling.
 - f. The potential PE of this emissions unit is based on the maximum shredder production of 224,640 tons per year. Therefore, no additional monitoring and record keeping is necessary.
- c) Operational Restrictions
 - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
 - a. None.
- e) Reporting Requirements
 - (1) 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 District Office or 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 required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
 - (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.



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. Emissions Limitations:

PE shall not exceed 5.4 lbs/hr and 11.8 TPY

Applicable Compliance Method:

Compliance with the hourly fugitive PE limitations shall be determined by using the following equation:

$$E = EF \times \text{shredder production (in tons per month)} \times (1 - CE) \times (\text{month/operating hours})$$

Where:

EF = emission factor of 0.3 lb PE/ton of production, estimated to be half of the emission factor taken from Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Section 12.10 (1/95) for Gray Iron Foundries, scrap and charge handling.

CE = control efficiency of 70% for watering and 12 inch high sides on the conveyors, taken from RACM for fugitive dust sources (8/83), section 2.15.1.

The annual emission limitation specified above was created by multiplying the hourly emission limitation by 4,368 hours/year and dividing by 2,000 lbs/ton; therefore, as long as compliance with the hourly emission limitations is maintained, compliance with the annual emission limitations will be assumed.

b. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance with the visible PE limitation for the material handling identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

g) Miscellaneous Requirements

- (1) None.



4. F004, Hammermill Shredding

Operations, Property and/or Equipment Description:

Newell 80-104 hammermill shredder for automobiles and metal scrap, rated at 60 tons/hr

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. 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)	Particulate emissions (PE) shall not exceed 4.8 lbs/hr and 10.5 TPY. Visible PE shall not exceed 5% opacity, as a six-minute average. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see b)(2)a. through b)(2)c. below).
b.	OAC rule 3745-17-07(B)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B)	See b)(2)a. through b)(2)c. below.



- (2) Additional Terms and Conditions
 - a. Water shall be injected directly into the hammermill shredder to control dust emissions.
 - b. An air separation system shall not be used on the hammermill shredder to separate tramp materials (i.e., fluff) from ferrous materials.
 - c. The moisture content of all processed material shall be maintained sufficiently high enough to meet the visible emission limit specified above at all times.
- c) Operational Restrictions
 - (1) The maximum 12-month production rate for the shredder shall not exceed 224,640 tons of scrap.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall properly operate and maintain equipment to monitor and record the water flow rate while the shredder is in operation. The monitoring device and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
 - (2) The water flow rate to the shredder shall be recorded, in gallons per minute, on a continuous basis.
 - (3) The permittee shall maintain monthly records of the following information for the emissions unit:
 - a. the total amount of scrap, in tons, processed by the shredder.
- e) Reporting Requirements
 - (1) 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 District Office or 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 required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.



- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. Any exceedance of the annual limitation on the production shall be included in the PER.

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. Emissions Limitations:

PE shall not exceed 4.8 lbs/hr and 10.5 TPY

Applicable Compliance Method:

Compliance with the hourly fugitive PE limitations shall be determined by using the following equation:

$$E = EF \times \text{shredder production (in tons per month)} \times (1 - CE) \times (\text{month/operating hours})$$

Where:

EF = emission factor of 0.32 lb PE/ton of production, estimated from a stack test on a similar source.

CE = control efficiency of 75% for wet suppression and eddy current separation, taken from RACM for fugitive dust sources (8/83), section 2.15.1.

The annual emission limitation specified above was created by multiplying the hourly emission limitation by 4,368 hours/year and dividing by 2,000 lbs/ton; therefore, as long as compliance with the hourly emission limitations is maintained, compliance with the annual emission limitations will be assumed.

b. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance with the visible PE limitation for this emissions unit shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").



c. Emission Limitation:

The maximum annual operating hours for this emissions unit shall not exceed 4,368 hours, based upon a rolling, 12-month summation of the operating hours.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(3).

d. Emission Limitation:

The maximum 12-month production rate for the shredder shall not exceed 224,640 tons of scrap.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(3).

g) Miscellaneous Requirements

- (1) Gas tanks and batteries shall be removed from all automobiles prior to shredding.
- (2) All combustible fluids shall be drained and removed from all automobiles prior to shredding.
- (3) All refrigerants shall be removed from all refrigerators and all other household appliances prior to shredding in accordance with Title VI of the 1990 Clean Air Act Amendments.
- (4) The shredding plant, all raw material feed areas, and the shredded material storage piles shall all be located on concrete pads.
- (5) Fire control facilities shall be maintained in a "ready" status at the facility for use at any time whenever scrap is being processed through the shredder.
- (6) The operations at this facility shall not cause a violation of OAC rule 3745-15-07, "Air Pollution Nuisances Prohibited". If the Ohio EPA determines that the operations at the facility are contributing to or causing a nuisance, additional control measures shall immediately be adopted.
- (7) No scrap metal processing with torches shall be permitted at this facility without first applying for and obtaining an Ohio EPA permit-to-install and operate.
- (8) Any explosions and fires at the facility shall be reported to the Ohio EPA, Northeast District Office, and the Mahoning-Trumbull Air Pollution Control Agency in accordance with OAC rule 3745-15-06.
- (9) This facility shall be used to shred and process automobiles, household appliances and iron and steel scrap. Prior to shredding and processing other materials, the permittee shall seek approval from the Ohio EPA.



5. Emissions Unit Group -Natural gas engines: P001,P002,

EU ID	Operations, Property and/or Equipment Description
P001	Waukesha GS7042 natural gas-fired internal combustion engine #1, manufactured 10/4/78
P002	Waukesha GS7042 natural gas-fired internal combustion engine #2, manufactured 11/12/74

Both engines are 1834 HP, 14.2 mmBtu/hr and 4-stroke, rich-burn.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(2)c, c)(1), d)(1), d)(2) and e)(2).

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 0.25 lb/mmBtu, 3.6 lbs/hr and 7.86 TPY.</p> <p>Nitrogen dioxide (NOx) emissions shall not exceed 2.0 g/HP-hr, 8.1 lbs/hr and 17.7 TPY.</p> <p>Carbon monoxide (CO) shall not exceed 1.6 lbs/mmBtu and 22.7 lbs/hr.</p> <p>Volatile organic compounds (VOC) shall not exceed 0.28 lb/mmBtu, 3.9 lbs/hr and 8.7 TPY.</p> <p>Sulfur dioxide (SO₂) shall not exceed 0.01 lb/mmBtu, 0.14 lb/hr and 0.31 TPY.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Visible PE shall not exceed 5% opacity, as a six-minute average.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(b).</p> <p>See b)(2)a.</p>
b.	OAC rule 3745-31-05(D)	See b)(2)c and c)(1).
c.	OAC rule 3745-17-07(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).
d.	OAC rule 3745-17-11(B)(5)(b)	<p>PE shall not exceed 0.062 lb/mmBtu of actual heat input for a stationary large internal combustion engine.</p> <p>See b)(2)b.</p>
e.	OAC rule 3745-18-06(A)	This emissions unit is exempt from OAC rule 3745-18-06 because it is a stationary internal combustion engine that only burns natural gas.

(2) Additional Terms and Conditions

- a. The permittee shall use the catalytic converter for NOx, CO and VOC control at all times that the emissions unit is in operation.
- b. This PE limitation shall be effective and federally enforceable on the date the U.S. EPA approves this PE limitation as a revision to the Ohio State Implementation Plan (SIP) for particulate matter. This PE limitation is more stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The emissions of CO from this emissions unit shall not exceed 49.6 tons per year, based upon a rolling, 12-month summation of the CO emissions. This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the emissions, upon issuance of this permit

c) Operational Restrictions

- (1) The maximum annual operating hours for this emissions unit shall not exceed 4,368 hours, based upon a rolling, 12-month summation of the operating hours.
- (2) The permittee shall burn only natural gas in this emissions unit.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information for the emissions unit:
 - a. the operating hours for each month; and
 - b. the rolling, 12-month summation of the operating hours.
- (2) The permittee shall calculate and maintain monthly records of the CO emissions and the rolling 12-month emissions of CO.
- (3) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

e) Reporting Requirements

- (1) 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 District Office or 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 required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
 - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. The maximum annual operating hours for this emissions unit shall not exceed 4,368 hours, based upon a rolling, 12-month summation of the operating hours.
 - ii. The emissions of CO from this emissions unit shall not exceed 49.6 tons per year, based upon a rolling, 12-month summation of the CO emissions.



- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency)

- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (4) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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:

PE shall not exceed 0.25 lb/mmBtu, 3.6 lbs/hr and 7.86 TPY.

Applicable Compliance Method:

The emission limitations were based upon the rule in effect at the time of the installation permit's issuance. Compliance with the hourly emission limitation shall be based upon an emission factor of 0.0095 pound PE per million Btu multiplied by the 14.2 mmBtu/hr heat input rating of the unit. This emission factor is specified in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Table 3.2-3 (7/00).

The annual emission limitation specified above was created by multiplying the hourly emission limitation by 4,368 hrs/yr and dividing by 2,000 lbs/ton; therefore, as long as compliance with the hourly emission limitation is maintained, compliance with the annual emission limitation will be assumed.



If required, compliance shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 5.

b. Emission Limitations:

NOx emissions shall not exceed 2.0 g/HP-hr, 8.1 lbs/hr and 17.7 TPY.

Applicable Compliance Method:

The emission limitations were based upon emission factors supplied by the equipment manufacturer. Compliance with the hourly emission limitation shall be determined by multiplying the 2.0 g/HP-hr emission factor by the 1834 HP rating of the unit, and converting to pounds by dividing by 454 g/lb.

The annual emission limitation specified above was created by multiplying the hourly emission limitation by 4,368 hrs/yr and dividing by 2,000 lbs/ton; therefore, as long as compliance with the hourly emission limitation is maintained, compliance with the annual emission limitation will be assumed.

If required, compliance shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 7.

c. Emission Limitations:

CO shall not exceed 1.6 lbs/mmBtu and 22.7 lbs/hr.

Applicable Compliance Method:

The emission limitations were based upon emission factors supplied by the equipment manufacturer. Compliance with the hourly emission limitation shall be determined by multiplying the 1.6 lb/mmBtu emission factor by the 14.2 mmBtu/hr rating of the unit.

If required, compliance shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 10.

d. Emission Limitations:

VOC shall not exceed 0.28 lb/mmBtu, 3.9 lbs/hr and 8.7 TPY.

Applicable Compliance Method:

The emission limitations were based upon emission factors supplied by the equipment manufacturer. Compliance with the hourly emission limitation shall be determined by multiplying the 0.28 lb/mmBtu emission factor by the 14.2 mmBtu/hr rating of the unit.



The annual emission limitation specified above was created by multiplying the hourly emission limitation by 4,368 hrs/yr and dividing by 2,000 lbs/ton; therefore, as long as compliance with the hourly emission limitation is maintained, compliance with the annual emission limitation will be assumed.

If required, compliance shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 18 or 25/25A, as appropriate.

e. Emission Limitations:

SO₂ shall not exceed 0.01 lb/mmBtu, 0.14 lb/hr and 0.31 TPY.

Applicable Compliance Method:

The emission limitations were based upon emission factors supplied by the equipment manufacturer. Compliance with the hourly emission limitation shall be determined by multiplying the 0.01 lb/mmBtu emission factor by the 14.2 mmBtu/hr rating of the unit.

The annual emission limitation specified above was created by multiplying the hourly emission limitation by 4,368 hrs/yr and dividing by 2,000 lbs/ton; therefore, as long as compliance with the hourly emission limitation is maintained, compliance with the annual emission limitation will be assumed.

If required, compliance shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 6.

f. Emission Limitation:

The emissions of CO from this emissions unit shall not exceed 49.6 tons per year, based upon a rolling, 12-month summation of the CO emissions.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(2).

g. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance with the visible PE limitation for this emissions unit shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").



h. Emission Limitation:

The maximum annual operating hours for this emissions unit shall not exceed 4,368 hours, based upon a rolling, 12-month summation of the operating hours.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(1).

g) Miscellaneous Requirements

(1) None.