Ohio Environmental Protection Agency

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

7/24/2015

Certified Mail

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

Sonny Marcum
Poly-Met Recovery, LLC
1280 DeValera Ave.
Akron, OH 44310

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1677010937
Permit Number: P0118979
Permit Type: Initial Installation
County: Summit

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 Akron Regional Air Quality Management District at (330)375-2480or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

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

Cc: ARAQMD

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
Poly-Met Recovery, LLC

Facility ID:	1677010937
Permit Number:	P0118979
Permit Type:	Initial Installation
Issued:	7/24/2015
Effective:	7/24/2015
Expiration:	10/4/2022

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
Poly-Met Recovery, LLC

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Authorization

Facility ID:	1677010937
Application Number(s):	A0053511
Permit Number:	P0118979
Permit Description:	Initial permit for a 0.95 MMBtu natural gas-fired burnoff oven.
Permit Type:	Initial Installation
Permit Fee:	$200.00
Issue Date:	7/24/2015
Effective Date:	7/24/2015
Expiration Date:	10/4/2022

Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Poly-Met Recovery, LLC
1280 DeValera Ave.
Akron, OH 44310

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:

Akron Regional Air Quality Management District
1867 West Market St.
Akron, OH 44313
(330)375-2480

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: P0118979
Permit Description: Initial permit for a 0.95 MMBtu natural gas-fired burnoff oven.

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

Emissions Unit ID:	**N001**
Company Equipment ID:	Cleaning Furnace No. 1
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

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 beingpermanently shut down without first applying for and obtaining a permit pursuantto 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.

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.

C. Emissions Unit Terms and Conditions

1. N001, Cleaning Furnace No. 1

Operations, Property and/or Equipment Description:

Natural gas-fired incinerator. Primary burner rated capacity 400,000 Btu per hour, and afterburner rated capacity 560,000 Btu per hour. Manual batch charging, rated capacity 2220 pounds per hour of coated metal parts (2200 pounds of metal plus 20 pounds of coatings.)

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) June 30, 2008	Install a burner that is designed to meet the following: 0.09 lb nitrogen oxides (NO_x) per hr ; and 0.08 lb carbon monoxide (CO)/hr. The Best Available Technology requirement for particulate emissions (PE) is equivalent to the limitation specified pursuant to OAC rule 3745-17-09(B) (see b)(1)d. below) See b)(2)a. and b)(2)b. below.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PM, NOx,

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		SO2, VOC, and CO emissions from this air contaminant source since the potential to emit for each is less than 10 tons/year. See b)(2)c. below.
c.	OAC rule 3745-17-07(A)	Visible PE from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-09(B)	PE shall not exceed 0.10 pound perone hundred pounds of liquid, semi-solid or solid refuse and salvageable materialcharged, for incinerators having incineration capacities equal to or greater than onehundred pounds per hour.
e.	OAC rule 3745-17-09(C)	Incinerators, including all associated equipment and grounds, shall be designed,operated and maintained so as to prevent the emission of objectionable odors.
f.	OAC rule 3745-18-06	This emissions unit is exempt from the emission requirements of OAC rule 3745-18-06 because natural gas is the only fuel burned, and the materials processed do not contain sulfur or sulfur compounds in measurable quantities.
g.	OAC rule 3745-114	See g)(1).

(2) Additional Terms and Conditions

a. These Best Available Technology (BAT) requirements apply until the U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year exemption) into the Ohio State Implementation Plan (SIP).

b. The emissions of VOC and SO_2 from this emissions unit are negligible. Therefore, there are no BAT requirements established for these pollutants.

c. TheserequirementsapplyonceU.S.EPAapprovesOACparagraph3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.

d. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the emissions unit.

c) Operational Restrictions

(1) Thisemissionsunitshallbeinstalled,operatedandmaintainedinaccordancewiththemanufacturer's specifications.The permittee shall not change any of the manufacturer's factorypresetparametersfortheequipment,orphysicallymodifytheequipmentinanyway,withoutfirstverifyingwiththemanufacturerthatthechange(s)wouldnotadverselyaffect air contaminant emissions from these units. The operator(s) shall be properly trained in the operation and maintenance of this unit. A copy of this permit shall be visibly posted near the incinerator.

(2) The incinerator ventilation system, i.e., air intake, exhaust, blowers, ductwork, and stack, shall meet good engineering design so as to: (1) not compromise capture and airflow performance of hoods, blowers, ductwork, and stack for any emissions unit in the building; (2) not affect the air intake and exhaust for the building heating and cooling system and operation of building windows and doors; and (3) minimize the impact of the emissions on employees, residents, visitors, and surrounding community.

(3) This incinerator (loaded while cold and never opened until the batch cycle is complete) shall incorporate a lockout system, which will prevent recharging and/or ignition of materials until the exhaust gas temperature of the secondary combustion chamber reaches 1400 degrees Fahrenheit.

(4) This incinerator shall not operate at a rate that exceeds the manufacturer's designed charging capacity of 2220 pounds per hour (per application data).

(5) The permittee shall only burn natural gas as fuel for this incinerator.

(6) Material Restrictions

The following terms appropriately restrict the materials processed in this unit in order to avoid smoke and odor problems which may become a public nuisance.

a. This emissions unit shall incinerate only metal parts with paint coatings, i.e., painted metal parts, unless authorized in writing by Ohio EPA or ARAQMD to incinerate other materials. No other materials shall be incinerated, unless such written authorization is issued. The metal shall be absent of all materials except the paint coatings. The organic material in the paint coatings shall consist of only carbon, hydrogen, and oxygen.

b. Before incineration, the permittee shall have obtained and reviewed complete MSD sheets or product data sheets comprehensively listing the identity and chemical composition of the parts and paint coatings. Any painted metal parts that do not have MSD sheets or product data sheets shall be rejected and shall not be incinerated. Any painted metal parts that do not meet the requirements of this section, based on the information provided in the MSD sheets and/or product data sheets, shall be rejected and shall not be incinerated. The MSD sheets and product data sheets specified above shall be maintained at the facility for a period of not less than 5 years, and shall be available for inspection, upon request.

c. This emissions unit shall not incinerate the following:

a. materials containing rubber, plastic, adhesives, Teflon, PVC, nor any material listed under 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants;

b. materials which may emit vapors of toxic metals such as lead, mercury, cadmium, or any metals and/or their compounds listed as hazardous air pollutants in the 1990 Clean Air Act Amendments;

c. materials containing halogens such as chlorine, fluorine, or bromine;

d. materials containing sulfur or sulfur compounds;

e. parts that contain materials likely to cause smoke, odors, or poor incineration performance;

f. wood or wood products, paper or paper products, or cardboard;

g. liquids of any kind;

h. refuse or garbage; and

i. materials regulated by OAC Chapter 3745-75"Infectious Waste Incinerator Limitations" or OAC Chapter 3745-105 "Pathological Waste Incinerators."

d. This emissions unitshall not be used as a human or animal crematory.

(7) Any malfunction of this emissions unit, or changes to equipment, materials incinerated, or method of operation of this emissions unit, that causes the release of smoke and/or odors in excess of emissions released during normal operations and/or applicable visible emission standards and/or violates the public nuisance prohibition of OAC rule 3745-15-07 must be accompanied by a complete shutdown of this emissions unit until the problem is identified and corrected. Any malfunction shall be reported in accordance with the requirements of OAC rule 3745-15-06. Deviations from normal operations due to changes in equipment, materials incinerated, or method of operation of this emissions unitshall be reported in accordance with the requirements of the annual Permit Evaluation Report (PER) form specified in e)(1).

(8) Maintenance of the secondary combustion chamber (afterburner), that requires the shutdown or bypassing of the secondary chamber, must be accompanied by the complete shutdown of the primary combustion chamber of this incinerator.

(9) Thepermitteeshallnotallowtheoperationofthisemissionsunittocauseapublicnuisance in violation of OAC rule 3745-15-07.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the secondary combustion chamber when the emissions unit is in operation. Units shall be in

degrees Fahrenheit (degrees F). The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The acceptable temperature for the secondary combustion chamber of this incinerator shall be no less than 1400 degrees Fahrenheit until the materials are completely combusted and the batch cycle is complete.

(2) Wheneverthemonitoredafterburner/secondarycombustionchambercombustiontemperaturedeviatesfromthe limitestablishedinaccordancewiththispermit,thepermitteeshallpromptlyinvestigatethecauseofthedeviation.Thepermitteeshallmaintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitudeof the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

Inresponsetoeachrequiredinvestigationtodeterminethecauseofadeviation,thepermitteeshalltakepromptcorrectiveactiontobringtheoperationoftheafterburner/secondary combustion chamber within the acceptable range/limit specified in thispermit,unlessthepermitteedeterminesthatcorrectiveactionisnotnecessaryanddocumentsthereasonsforthatdeterminationandthedateandtimethedeviationended.Thepermitteeshallmaintainrecordsofthefollowinginformationforeachcorrective action taken:

f. a description of the corrective action;

g. the date corrective action was completed;

h. the date and time the deviation ended;

i. the total period of time (in minutes) during which there was a deviation;

j. the temperature readings immediately after the corrective action wasimplemented; and

k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to complywiththerequirementsofOACrule3745-15-06ifitisdeterminedthatamalfunctionhasoccurred.

Thetemperaturelimitiseffectivefortheduration ofthispermit,unlessrevisionsarerequestedbythepermitteeandapprovedinwritingbytheappropriateOhioEPADistrict Officeorlocalairagency.Thepermitteemayrequestrevisionstothepermittedtemperaturelimitbaseduponinformationobtainedduringfutureperformancetestsstatdemonstrate compliance with the allowable emissions rate for the controlled pollutant(s). Inaddition,approvedrevisionstothetemperaturelimitwillnotconstitutearelaxationofthemonitoringrequirementsofthispermitandmaybeincorporatedintothispermitbymeans of an administrative modification.

(3) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

(4) Foreachdayduringwhichthepermitteeburnsafuelotherthannaturalgas,thepermittee shall maintain a record of the type and quantity of fuel burned in this emissionsunit.

(5) For all materials incinerated in this emissions unit, the permittee shall maintain a written log that contains the following information, on a per batch basis:

a. identification of each batch, including date received and origin of the materials;

b. date of incineration for each batch;

c. complete identification and chemical composition of all materials in each batch, based on MSD sheets or product data sheets;

d. duration of incineration, in hours, including start/finish times, for each batch;

e. amount of material charged, in pounds, for each batch;

f. calculated charging rate, in pounds per hour, for each batch, i.e., (e)/(d); and

g. identification of any materials under item (c) and/or calculated charging rate under item (f) of this section that did not comply with the applicable requirements of “c) Operational Restrictions“ above.

(6) All records and logs required in this permit shall be maintained for at least 5 years, and shall be available for inspection, upon request.

e) Reporting Requirements

(1) Thepermitteeshallidentifyintheannualpermitevaluationreportthefollowinginformation concerning the operations of the afterburner/secondary combustion chamber during the12-month reporting period for this emissions unit:

a. eachperiodoftime(starttimeanddate,andendtimeanddate)whentheafterburner/secondary combustion chamber combustion temperature was outsideof the acceptable range;

b. eachincidentofdeviationdescribedine)(1)a.whereapromptinvestigationwasnot conducted;

c. eachincidentofdeviationdescribedine)(1)a.whereprompt correctiveaction,thatwould bringtheemissionsunitintocomplianceand/ortheafterburner/secondarycombustionchambercombustiontemperatureintocompliancewiththeacceptablerange,wasdetermineddtobenecessaryandwas not taken; and

d. eachincidentofdeviationdescribedine)(1)a.whereproperrecordswerenotmaintained for the investigation and/or the corrective action(s), as identified in themonitoring and record keeping requirements of this permit.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

(3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.

(4) The permittee shall identify the following information in the annual PER in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and

b. any corrective actions taken to eliminate the visible particulate emissions.

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. <u>Emission Limitation</u>:

0.09 lb NOx/hr

Applicable Compliance Method:

If required, compliance with this emission limitation shall be based on stack testing per USEPA Method 1-4, 7 or 7E of 40 CFR 60, Appendix A.

b. Emission Limitation:

0.08 lb CO/hr

Applicable Compliance Method:

If required, compliance with this emission limitation shall be based on stack testing per USEPA Method 1-4, and 10 of 40 CFR 60, Appendix A.

c. Emission Limitation:

Visible PE from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

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

d. Emission Limitation:

PE shall not exceed 0.10 pound perone hundred pounds of liquid, semi-solid or solid refuse and salvageable materialcharged to the incinerator.

Applicable Compliance Method:

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(8), (USEPA Method 1-5, 40 CFR 60, Appendix A).

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b) was not necessary because, based on the application, 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 and operate (PTIO) 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 PTIO.