



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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

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

MAILING ADDRESS:

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

6/2/2009

EARL HAMLIN
PROCEX LTD
P.O. BOX 628
KENT, OH 44240

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1667040030
Permit Number: P0104880
Permit Type: Initial Installation
County: Portage

Certified Mail

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

Dear Permit Holder:

Enclosed please find a final 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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

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

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

If you have any questions regarding this permit, please contact the Akron Regional Air Quality Management District. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

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

Cc: ARAQMD

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



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

FINAL

**Air Pollution Permit-to-Install and Operate
for
PROCEX LTD**

Facility ID: 1667040030
Permit Number: P0104880
Permit Type: Initial Installation
Issued: 6/2/2009
Effective: 6/2/2009
Expiration: 6/2/2019



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
PROCEX LTD

Table of Contents

Authorization 1

A. Standard Terms and Conditions 3

 1. What does this permit-to-install and operate ("PTIO") allow me to do?..... 4

 2. Who is responsible for complying with this permit? 4

 3. What records must I keep under this permit? 4

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

 5. When does my PTIO expire, and when do I need to submit my renewal application? 4

 6. What happens to this permit if my project is delayed or I do not install or modify my source? 5

 7. What reports must I submit under this permit? 5

 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? 5

 9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?... 5

 10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 5

 11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6

 12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6

 13. Can I transfer this permit to a new owner or operator? 6

 14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 7

 15. What happens if a portion of this permit is determined to be invalid? 7

B. Facility-Wide Terms and Conditions 8

C. Emissions Unit Terms and Conditions 10

 1. N001, Burnoff Oven. 11



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0104880
Facility ID: 1667040030
Effective Date: 6/2/2009

Authorization

Facility ID: 1667040030
Application Number(s): A0037518
Permit Number: P0104880
Permit Description: New burnoff oven installation.
Permit Type: Initial Installation
Permit Fee: \$1,500.00
Issue Date: 6/2/2009
Effective Date: 6/2/2009
Expiration Date: 6/2/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15
This document constitutes issuance to:

PROCEX LTD
880 CHERRY STREET
KENT, OH 44240

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

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

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(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

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0104880
Facility ID: 1667040030
Effective Date: 6/2/2009

Authorization (continued)

Permit Number: P0104880
Permit Description: New burnoff oven installation.

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:	Burnoff oven.
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104880

Facility ID: 1667040030

Effective Date: 6/2/2009

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 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 Akron Regional Air Quality Management District 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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104880

Facility ID: 1667040030

Effective Date: 6/2/2009

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104880

Facility ID: 1667040030

Effective Date: 6/2/2009

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104880

Facility ID: 1667040030

Effective Date: 6/2/2009

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104880

Facility ID: 1667040030

Effective Date: 6/2/2009

C. Emissions Unit Terms and Conditions



1. N001, Burnoff Oven.

Operations, Property and/or Equipment Description (as reported by permittee and application):

Natural gas-fired incinerator (burnoff oven with afterburner) used to remove paint coatings from salvageable metal parts. Primary burner rated capacity 400,000 Btu per hour, and afterburner rated capacity 520,000 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 operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a) ORC 3704.03(T)(4)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions (PE) from this air contaminant source since the calculated annual emission rate for PE is less than 10 tons per year, taking into account the federally enforceable state implementation plan (SIP) rule limit of 0.10 pound per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged, for incinerators having incineration capacities equal to or greater than one hundred pounds per hour under OAC rule 3745-17-09(B).
b.	OAC rule 3745-31-05(A)(3)(a)(ii) ORC 3704.03(T)(4)	The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC),



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		nitrogen oxide (NOx), sulfur dioxide (SO2), and carbon monoxide (CO) emissions from this air contaminant source since the uncontrolled potential to emit for VOC, NOx, SO2, and CO is each less than 10 tons per year.
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 per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged, for incinerators having incineration capacities equal to or greater than one hundred 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 3745-15-07	The emission or escape into the ambient air from any source or sources whatsoever, of smoke, ashes, dust, dirt, acids, fumes, gases, vapors, odors, or any other substances or combinations of substances, in such manner or in such amounts as to endanger the health, safety or welfare of the public, or cause unreasonable injury or damage to property, is hereby found and declared to be a public nuisance. It shall be unlawful for any person to cause, permit or maintain any such public nuisance.
g.	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.
h.	ORC 3704.03(F)(3)(c) and F(4) OAC rule 3745-114-01	See g)(1).

(2) Additional Terms and Conditions

- a. The permittee shall apply for and, if required, obtain a modification to this permit or obtain a new final permit-to-install and operate (PTIO) prior to making any



change to equipment, change in materials incinerated, or change in the method of operation of N001 that results in an increase in the allowable emissions or results in an increase in emissions of greater than the de minimis levels in OAC rule 3745-15-05 of any type of air contaminant not previously emitted.

- b. 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.
- c. The permittee shall adjust, operate, and maintain the emissions unit covered under this permit in accordance with the manufacturer's recommendations, instructions, and operating manual(s). 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.
- 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) Emissions from N001 may exacerbate current smoke and odor problems at the facility. In order to avoid worsening smoke and odor problems, and to improve existing conditions, this permit and future air permits issued for Procex shall, within the statutes of the Clean Air Act, appropriately restrict operations and materials processed at the facility.

The remaining terms and conditions of this section suitably restrict the operation and materials processed of N001.

- (2) Except for additional restrictions and prohibitions noted in this section, N001 shall perform work and incinerate materials in accordance with the manufacturer's recommendations, instructions, and operating manual(s). N001 shall not perform work and/or incinerate materials it is not recommended or designed for.
- (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) The secondary combustion chamber of this incinerator shall be maintained at a minimum exhaust gas temperature of 1400 degrees Fahrenheit until the materials are completely combusted and the batch cycle is complete.
- (5) N001 shall not operate at a rate that exceeds the manufacturer's designed charging capacity of 2220 pounds per hour (per application data) for the unit.
- (6) N001 shall burn no fuel other than natural gas.



- (7) N001 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.
- (8) 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.
- (9) N001 shall not incinerate materials containing rubber, plastic, adhesives, Teflon, PVC, nor any material listed under 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants.
- (10) N001 shall not incinerate materials typically processed by the inductors and/or salt bath.
- (11) N001 shall not incinerate 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.
- (12) N001 shall not incinerate materials containing halogens such as chlorine, fluorine, or bromine.
- (13) N001 shall not incinerate materials containing sulfur or sulfur compounds.
- (14) N001 shall not incinerate parts that contain materials likely to cause smoke, odors, or poor incineration performance.
- (15) N001 shall not incinerate wood or wood products, paper or paper products, or cardboard.
- (16) N001 shall not incinerate liquids of any kind.
- (17) N001 shall not incinerate refuse or garbage.
- (18) N001 shall not incinerate materials regulated by OAC Chapter 3745-75 "Infectious Waste Incinerator Limitations" or OAC Chapter 3745-105 "Pathological Waste Incinerators."
- (19) N001 shall not be used as a human or animal crematory.
- (20) Any malfunction of N001, or changes to equipment, materials incinerated, or method of operation of N001, that causes the release of smoke and/or odors in excess of (1) emissions released during normal operations and/or (2) 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 N001 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 N001 shall be reported in accordance with the requirements of the annual Permit Evaluation Report (PER) form specified in e)(1).

- (21) 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.

d) Monitoring and/or Recordkeeping Requirements

- (1) 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (2) 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.
- (3) The permittee shall collect and record the following information for each day for the emissions unit:



- (a) A log of the downtime for the temperature monitoring and/or recording equipment, when the associated emissions unit was in operation; and
 - (b) All periods of time during which the temperature of the exhaust gases from the incinerator, when the emissions unit was in operation, was below the minimum secondary combustion chamber exhaust gas temperature of 1400 degrees Fahrenheit as specified above.
- (4) 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 N001.
- (5) For all materials incinerated in N001, 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the Director 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.
 - (2) 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 emission limitations in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions (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 and the procedures specified in OAC rule 3745-17-03(B)(1).

b. Emission Limitation:

PE shall not exceed 0.10 pound per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged 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.