



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL
GREENE COUNTY
Application No: 08-4062**

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: December 1, 1999

Wright Patterson Air Force Base
Connie Strobbe
88 ABW/EMP 5490 Pearson Road
Wright Patterson AFB, OH 45433-5332

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging 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 Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA
REGIONAL AIR POLLUTION CONTROL AGENCY



**Permit To Install
Terms and Conditions**

Issue Date: December 1, 1999
Effective Date: December 1, 1999

FINAL PERMIT TO INSTALL 08-4062

Application Number: 08-4062

APS Premise Number: 0829700441

Permit Fee: **\$ 400**

Name of Facility: Wright Patterson Air Force Base

Person to Contact: Connie Strobbe

Address: 88 ABW/EMP 5490 Pearson Road
Wright Patterson AFB, OH 45433-5332

Location of proposed air contaminant source(s) [emissions unit(s)]:

**Building 18C, C Street
Wright Patterson AFB, Ohio**

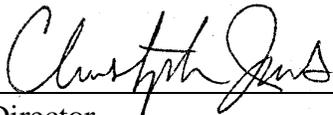
Description of proposed emissions unit(s):

**66.2 MMBTU HIGH-PRESSURE COMBUSTION RESEARCH FACILITY, BUILDING 20018C
(MODIFICATION).**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.11 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"); and, pursuant to 40 CFR 68.215(a), the permittee shall submit either of the following:

- a. a compliance plan for meeting the requirements of 40 CFR Part 68 by the date specified in 40 CFR 68.10(a) and OAC 3745-104-05(A); or
- b. as part of the compliance certification submitted under 40 CFR 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 CFR Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

4. Title IV Provisions

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

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State,

and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit

modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35 , the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Air Pollution Nuisance

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

5. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may

be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

6. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

7. Public Disclosure

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

8. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

9. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

10. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

11. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
Organic Compounds	1.75
Carbon Monoxide	10.5
Nitrogen Oxides	5.78

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
66.2 mmBtu high-pressure combustion research facility, Building 20018C (2424)	OAC rule 3745-17-11(B)(4)	0.040 pound of particulate emissions per mmBtu actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20%, as a six-minute average, except as provided by rule
	OAC rule 3745-18-06(F)	0.5 pound of sulfur dioxide emissions per mmBtu actual heat input

2. **Additional Terms and Conditions**

- 2.a None.

II. Operational Restrictions

1. The quality of fuel burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I. above.

III. Monitoring and/or Recordkeeping Requirements

1. For each shipment of jet aviation fuel or diesel fuel oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated SO2 emission rate in lb/mmBtu.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of jet aviation or diesel fuel oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content.

Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify any exceedances of the sulfur dioxide emission rate (pounds/mmBtu). These reports shall be submitted in accordance with the General Terms and Conditions, Section (A)(1).

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation -

0.040 pound particulate emissions per mmBtu actual heat input

Applicable Compliance Method -

Compliance shall be based upon an emission factor of 0.038 lb/mmBtu specified in USEPA reference document, AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.1 (10/96). If required, the permittee shall demonstrate compliance in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

- b. Emission Limitation -

20% opacity, as a six-minute average

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

- c. Emission Limitation -

0.5 pound sulfur dioxide emissions per mmBtu actual heat input

Applicable Compliance Method -

Compliance shall be based upon the record keeping and analysis requirements specified in A.III.1. and A.III.2., and the use of the equation contained in OAC rule 3745-18-04(F)(2). Compliance can also be based upon the emission factor of 157(S) lbs SO₂/1000 gallons as specified in AP-42 Chapter 1.3-1 (9/98), multiplied by the sulfur content as a weight percent of the fuel.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
66.2 mmBtu high-pressure combustion research facility, Building 20018C (2424)	OAC rule 3745-31-05(A)(3)	0.040 pound of particulate emissions per mmBtu actual heat input Opacity shall not exceed 20%, as a six-minute average, except as provided by rule 0.5 pound of sulfur dioxide emissions per mmBtu actual heat input 350 lbs/week and 1.75 TPY organic compounds (OC); 2100 lbs/week and 10.5 TPY carbon monoxide (CO); 1155 lbs/week and 5.78 TPY nitrogen oxides (NOx)

2. **Additional Terms and Conditions**

- 2.a This PTI is a modification of PTI 08-3657 to increase the allowable emission rates. This modification represents an increase in emissions of 0.67 TPY OC, 3.08 TPY CO, and 2.44 TPY NOx.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain weekly records of the following information:
 - a. The name and identification of each fuel burned in this emissions unit.
 - b. The volume, in gallons, of each fuel burned in this emissions unit.
 - c. The OC, CO, and NOx emission rates, in lbs/week (see calculation methodology in B.V.1.).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify any exceedances of the weekly emission rates. These reports shall be submitted in accordance with Section B.2. of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation
0.040 pound of particulate emissions per mmBtu actual heat input
Applicable Compliance Method
See A.V.1.a.
 - b. Emission Limitation
20% opacity, as a six-minute average
Applicable Compliance Method
See A.V.1.b.
 - c. Emission Limitation
0.5 pound sulfur dioxide emissions per mmBtu actual heat input
Applicable Compliance Method
See A.V.1.c.
 - d. Emission Limitation
350 lbs/week OC

Applicable Compliance Method

Compliance shall be based upon record keeping as specified in B.III.1. and shall be determined by summing the organic compound emissions from the burning of jet aviation fuel and diesel/hydrocarbon fuels:

- i. The organic compound emissions from jet aviation fuels shall be determined by multiplying the weekly jet fuel usage by the tested emission factor of 16.66 lbs OC/1000 gallons).
- ii. The organic compound emissions from the combustion of diesel and other hydrocarbon fuels shall be determined by multiplying the weekly diesel/hydrocarbon fuel usage by the AP-42 Table 3.1-1 (10-96) emission factor of 0.017 lb OC/mmBtu and by the heat content of the fuel.
- iii. The weekly organic compound emissions shall be the sum of (i) and (ii) above.

e. Emission Limitation

1.75 TPY OC

Applicable Compliance Method

Compliance shall be based upon record keeping as specified in B.III.1. and shall be the sum of the weekly organic compound emission rates for the calendar year, divided by 2,000 pounds per ton.

f. Emission Limitation

2100 lbs/week CO

Applicable Compliance Method

Compliance shall be based upon record keeping as specified in B.III.1. and shall be determined by summing the carbon monoxide emissions from the burning of jet aviation fuel and diesel/hydrocarbon fuels:

- i. The carbon monoxide emissions from jet aviation fuels shall be determined by multiplying the weekly jet fuel usage by the tested emission factor of 100 lbs CO/1000 gallons).
- ii. The carbon monoxide emissions from the combustion of diesel and other hydrocarbon fuels shall be determined by multiplying the weekly diesel/hydrocarbon fuel usage by the AP-42 Table 3.1-1 (10-96) emission factor of 0.048 lb CO/mmBtu and by the heat content of the fuel.
- iii. The weekly carbon monoxide emissions shall be the sum of (i) and (ii) above.

g. Emission Limitation

10.5 TPY CO

Applicable Compliance Method

Compliance shall be based upon record keeping as specified in B.III.1. and shall be the sum of the weekly carbon monoxide emission rates for the calendar year, divided by 2,000 pounds per ton.

h. Emission Limitation

1155 lbs/week NO_x

Applicable Compliance Method

Compliance shall be based upon record keeping as specified in B.III.1. and shall be determined by summing the nitrogen oxide emissions from the burning of jet aviation fuel and diesel/hydrocarbon fuels:

- i. The nitrogen oxide emissions from jet aviation fuels shall be determined by multiplying the weekly jet fuel usage by the tested emission factor of 55 lbs NO_x/1000 gallons).
- ii. The nitrogen oxide emissions from the combustion of diesel and other hydrocarbon fuels shall be determined by multiplying the weekly diesel/hydrocarbon fuel usage by the AP-42 Table 3.1-1 (10-96) emission factor of 0.698 lb NO_x/mmBtu and by the heat content of the fuel.
- iii. The weekly nitrogen oxide emissions shall be the sum of (i) and (ii) above.

i. Emission Limitation

5.78 TPY NO_x

Applicable Compliance Method

Compliance shall be based upon record keeping as specified in B.III.1. and shall be the sum of the weekly nitrogen oxide emission rates for the calendar year, divided by 2,000 pounds per ton.

2. When possible, the permittee shall operate and maintain the existing equipment to monitor and record OC, CO, and NO_x emissions from this emissions unit in order to develop site-specific emissions factors for diesel and hydrocarbon fuels burned in this emissions unit. Upon determination of site-specific emission factors for the diesel and hydrocarbon fuels, the site-specific factors shall be used in the calculation of emissions.

VI. Miscellaneous Requirements

None.