



State of Ohio Environmental Protection Agency

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RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**
GREENE COUNTY
Application No: 08-03436

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

DATE: 3/8/2001

Wright Patterson Air Force Base
Connie Strobbe
5490 Pearson Rd
WPAFB, OH 454335332

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

RAPCA

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 08-03436

Application Number: **08-03436**APS Premise Number: **0829700441**Permit Fee: **\$0**Name of Facility: **Wright Patterson Air Force Base**Person to Contact: **Connie Strobbe**Address: **5490 Pearson Rd****WPAFB, OH 454335332**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**5490 Pearson Rd
WPAFB, OHIO**

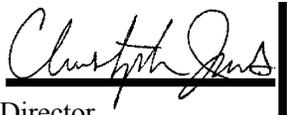
Description of modification:

Modification to PTI#08-03436 issued 5/30/96, located SE corner St Rte 444 & Oak St, to comply w/applicable rule change & unite all buildings under one facility identification number.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 source(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 Ohio Administrative Code (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 cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION

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).

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.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

Wright Patterson Air Force Base

PTI Application: 08-03436

Modification Issued: 3/8/2001

Facility ID: 0829700441

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Wright Patterson Air Force Base** located in **GREENE** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
B609	99.8 MMBTU/hr Natural gas-fired boiler, Building 31240 (Modification)*	Compliance with the applicable OAC rules, the allowable emission rates through the use of natural gas and limited operating schedule; record keeping and reporting requirements	3745-31-05 3745-17-10(B)(1) 40 CFR 60 Subpart Dc	0.020 lb/MMBTU, 2.0 lbs/hr, 5.54 TPY Particulates; 0.056 lb/hr, 0.15 TPY SO ₂ ; 0.12 lb/MMBTU, 11.98 lbs/hr, 33.20 TPY NO _x ; 7.81 lbs/hr, 21.66 TPY CO; 0.54 lb/hr, 1.50 TPY OC

*This permit is being written to modify the earlier PTI 08-3202, issued 2/23/95.

SUMMARY**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate Matter	5.54
Sulfur Dioxide	0.15
Nitrogen Oxides	33.20
Carbon Monoxide	21.66
Organic Compounds	1.50

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
B609	99.8 MMBTU/hr - Natural gas-fired boiler	Dc

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and Regional Air Pollution Control Agency
451 West Third Street
Dayton, Ohio 45422

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Regional Air Pollution Control Agency, 451 West Third Street, Dayton, Ohio 45422.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the Regional Air Pollution Control Agency, 451 West Third Street, Dayton, Ohio 45422.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Existing Coal Boiler Operations - Existing coal-fired boilers in operation at this building No. 31240 are identified by Ohio EPA source nos. 0829700441 B606, B607 and B608.**

Wright-Patterson has agreed to the complete shutdown of two of these existing boilers during the time periods of March 15 - May 15 and October 15 - November 15. Therefore two of the three coal-fired boilers identified above shall be completely shutdown during the periods from March 15 - May 15 and October 15 - November 15.

**These sources were previously identified by Ohio EPA source nos. 0829700199 B004, B005 and B006.

2. Fuels - Only natural gas shall be burned in B609 with a maximum hourly usage rate of 93,000 cubic feet. No other fuel shall be used for this boiler.
3. Usage Limitation - Usage of natural gas shall have an annual limit of 515.6 million cubic feet for B609.

Compliance with the annual natural gas fuel limitation for source B609 shall be determined based on rolling twelve month periods, i.e., April 1, 1996 through March 31, 1997, May 1, 1996 through April 30, 1997, etc.

For the first year of operation, and until such time as the rolling twelve-month demonstration periods can begin, B609 shall be limited to specific monthly allowable natural gas fuel usage rates in accordance with the following:

<u>Month</u>	<u>Maximum, Cumulative Total Natural Gas Usage Allowed (Million Cu. Ft.)</u>
1	43
1-2	86
1-3	129
1-4	172
1-5	215
1-6	258
1-7	301
1-8	344
1-9	387
1-10	430
1-11	473
1-12	515.6

4. Record Keeping and Reporting - This facility shall maintain daily and monthly records of the natural gas fuel usage (million cubic feet) in source B609. The facility shall notify the Regional Air Pollution Control Agency (RAPCA) of any monthly record that shows an exceedance of the rolling twelve-month usage limitation specified in term and condition No. 3. A copy of such record(s) shall be sent to the RAPCA within 45 days when the exceedance occurs.

The facility shall also submit annual reports to RAPCA of the natural gas usage in source B609. This report shall be due by February 15 of each year and shall include the total natural gas usage for each month of the previous calendar year.

Additionally, this facility shall keep monthly records of the boilers that are shutdown during the specified time periods in term and condition No. 1.

5. Contemporaneous Emission Increases and Decreases - With the installation and operation of source B609, the emission increases from the boiler identified in this permit are as follows:

	<u>Tons/Yr</u>
Particulate Matter	5.54
Sulfur Dioxide	0.15
Nitrogen Oxides	33.20
Carbon Monoxide	21.66
Organic Compounds	1.50

With the installation and operation of boiler B609, two of the three existing coal-fired boilers identified by OEPA source nos. 0829700441 B606, B607 and B608 shall be completely shutdown during the periods of March 15 - May 15 and October 15 - November 15, every year.

With the installation and operation of source B609 and the concurrent shutdown of two of the three existing boilers identified above, the resulting net change in emissions is as follows:

	<u>Tons/Yr</u>
Particulate	-182.73
Sulfur Dioxide	-145.24
Nitrogen Oxides	-5.06
Carbon Monoxide	+7.70
Organic Compounds	+1.19