



Department of Environmental Protection

FILE COPY

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

REC
JAN 29 1997

Virginia B. Wetherell
Secretary

PERMITTEE:

Hurlburt Field, USAF

AIRS I.D. Number: 0910064
Air Permit Number: 0910064-004-AF
Emission Units: 002-008
Date of Issue: December 23, 1996
Expiration Date: December 23, 2001
County: Okaloosa
Project: Operations, Hurlburt Field

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-296, 62-297 and 62-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Activities of the USAF Special Operations Command at Hurlburt Field resulting in air emissions including the operation of fuel storage tanks and fuel transfer facilities, multi fuel (natural gas/No. 2 fuel oil) and natural gas fired boilers, spray paint booths, an aircraft engine test stand, and various auxiliary power generators.

Annual fuel throughput is limited to 50,000,000 gallons per year of jet fuel; 5,000,000 gallons per year of unleaded gasoline; and, 1,000,000 gallons of diesel. The number of aircraft engine tests is limited to 250 per year; the quantity of surface coating applied at the paint booths is limited to 4,600 gallons per year; and, auxiliary generator power production is limited to 1,880,000 kW hours per year.

Emissions from Hurlburt are synthetically limited to 78.9 TPY NOx and 65.9 TPY SO₂ and, are less than 25 TPY for all hazardous air pollutants (HAPs) combined and less than 10 TPY for any individual HAP. As a result, Hurlburt Field is a "synthetic minor" facility not required to obtain a Title V permit under the provisions of Chapter 62-213, FAC.

Operation of this facility shall be consistent with the operation permit application submitted June 17, 1996 and modified by the resubmitted application signed September 29, 1996.

Located: US Hwy 98, west of Mary Esther

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SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]

Operation

2. Emission units and points are described in Table 1, attached to and made a part of this permit. Operation shall be consistent with the description and operating rates in Table 1. [FAC Rule 62-4.070]

Emission points exempted from the permit requirements of FAC Rule 62-210 are identified in Table 2, attached to and made a part of this permit.

3. Emission units 002 (fuel storage tanks), 003 (multi fuel boilers), 004 (NG boilers), 005 (spray paint booths) and 008 (fuel transfer facilities) may operate continuously, i.e., 8760 hrs/yr, based on 24 hours/day, 7 days/week and 52 weeks per year. [FAC Rule 62-4.070 and operation permit application]

The maximum hours of operation of emission unit 006 (aircraft engine test stand) are 2000 hours based on 250 engines @ eight hours/engine; and for emission unit 007 (auxiliary powered generators), 1344 hours based on four training operation per year, 2 weeks/operation, 7 days/week, and 24 hours/day. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually for emission units 006 and 007. [FAC Rule 62-4.070 and operation permit application]

4. The maximum sulfur content of the No. 2 fuel oil is limited to 0.55% sulfur by weight. Backup fuel oil may only be used for operational testing, and in the event of natural gas unavailability. The Permittee shall maintain a log available for Department inspection of the fuel oil use and sulfur content. (Operation permit application)

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Emissions

5. The maximum allowable emission limit for each pollutant is as follows:

Pollutant	FAC Rule	Allowable Emissions
Facility:		
VOC	62-296.320	65.9 TPY
NOx	62-4.070	78.9 TPY
Emission unit 002 - fuel storage tanks		
VOC	62-296.320	17.8 TPY
Emission unit 003 - natural gas/No. 2 fuel oil fired boilers		
VE	62-296.406	20% opacity, except up to 27% for one six minute period per hour.
SO2	62-4.070	40.8 TPY
NOx	62-4.070	10.4 TPY
Emission unit 004 - natural gas fired boilers		
VE	62-296.406	20% opacity, except up to 27% for one six minute period per hour.
NOx	62-4.070	21.8 TPY
Emission unit 005 - spray paint booths		
VOC	62-296.320	12.5 TPY
Emission unit 006 - aircraft engine test stand		
NOx	62-4.070	7.7 TPY
VOC	62-296.320	11.4 TPY
Emission unit 007 - auxiliary power generators		
NOx	62-4.070	38.9 TPY
Emission unit 008 - fuel transfer facilities		
VOC	62-296.320	19.9 TPY
General		
VE	62-296.320	less than 20% opacity

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6. All fugitive dust generated at this site shall be adequately controlled in accordance with Rule 62-296.320(4)(c).

Testing

7. Visible emissions tests are required for the multi fuel boilers (EMU 003) to show compliance with the standards of the Department if during any year during the term of this permit either boiler burns liquid fuel in excess of 400 hours. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate while burning liquid fuel. [FAC Rule 62-297.310(2)] Tests shall be conducted in accordance with the DEP method 9 for a duration of sixty minutes, and shall be scheduled between January 1 and February 28, 2000. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing.

Test reports shall comply with F.A.C. Rule 62-297.310(8), Test Reports. Additionally, the compliance test report shall provide the general condition of equipment, noting any deficiencies of problems with the equipment which occur during testing.

The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.310(7)(b).

Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. If it is impractical to test at capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department. [FAC Rule 62-297.310(2)]

8. The following records shall be maintained and made available for Department inspection.

EMU	Record keeping requirements
002	Throughput for MUR Calculated VOC/HAP emissions
003	Hours of operation while using No. 2 fuel oil Calculated NOX/SO2 emissions while using No. 2 fuel oil

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[8. (cont.'d)]

005	Total gallons surface coating used Calculated VOC/HAP emissions
006	Engines tested Calculated NOX/VOC/CO emissions
007	Hours of operation Calculated NOX emissions
008	Throughput for MUR Calculated VOC/HAP emissions

Administrative

9. An annual operating report for air pollutant emitting facility, DEP Form 62-210.990(5), shall be submitted by March 1 of each year. A copy of the form and instructions may be obtained from the Department of Environmental Protection, Northwest District Air Resources Management Program, (904) 444-8364. [FAC Rule 62-210.370(3)]

10. Sixty days prior to the expiration date of this operation permit, the Permittee shall submit four permit renewal applications using the current version of the renewal form along with the processing fee established in FAC Rule 62-4.050(4) to the Northwest District Office of the Department. (FAC Rule 62-4.090)

11. The emission units covered by this permit are:

- 0910064 002: Fuel storage tanks
- 003: Multi fuel boilers
- 004: Natural gas fired boilers
- 005: Spray paint booths
- 006: Aircraft engine test stand
- 007: Auxiliary power generators
- 008: Fuel transfer facilities

Please cite the appropriate number on all test reports and other correspondence specific to a permitted emission unit. [FAC Rule 62-297.310(8)]

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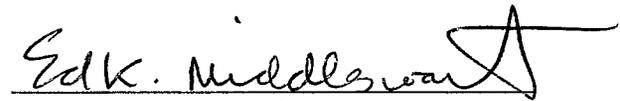
SPECIFIC CONDITIONS:

12. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 413-9911. For routine business, telephone (904) 444-8364 during normal working hours. [FAC Rule 62-4.130]

Expiration Date:

Issued this 23rd day of DEC,
1996.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


ED K. MIDDLESWART, P.E.
Air Program Administrator

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

GENERAL CONDITIONS:

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

GENERAL CONDITIONS:

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.