

Part 70 Operating Permit Amendment

Permit Amendment No.: 9711-051-0149-V-02-1 Effective Date: October 20, 2009

Facility Name: **Hunter Army Airfield**

Facility Address: Savannah, Georgia 31409-5000, Chatham County

Mailing Address: 1550 Frank Cochran Drive
Fort Stewart, Georgia 31314-4927

Parent/Holding Company: U.S. Department of Defense, U.S. Army

Facility AIRS Number: 04-13-051-00149

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

The construction and operation of a new spray painting booth with ID No. P003. This new spray painting booth will replace the existing spray painting booths with ID Nos. P001 and P002.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit Amendment and Permit No. 9711-051-0149-V-02-0. Unless modified or revoked, this Permit Amendment expires upon issuance of the next Part 70 Permit for this source.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. TV-18906 dated May 13, 2009; any other applications upon which this Permit Amendment or Permit No. 9711-051-0149-V-02-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 6 pages.

[Signed]

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

Hunter Army Airfield (hereinafter “facility”) submitted Title V Application No. TV-18906 dated May 13, 2009 for the construction and operation of a new spray painting booth with ID No. P003. This new spray painting booth will replace the existing spray painting booths with ID Nos. P001 and P002. According to Title V Application No. TV-18906, the facility requested that, in anticipation of possible increases in workload, P003 be approved for ten times the typical annual material usage (in P001 and P002, combined) of 2007.

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PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Additional Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
P001	Spray Painting Booth, AMCOM	GA Rule 391-3-1-.02(2)(a)10 GA Rule 391-3-1-.02(2)(b)1, GA Rule 391-3-1-.02(2)(e)	3.4.5, 3.4.6, 3.5.1, 3.5.2, 5.2.1, 6.1.7 (e), 6.2.2, 6.2.5	PC01	Dry Filtration System (Stack ID = PS01)
P002	Spray Painting Booth, AMCOM	GA Rule 391-3-1-.02(2)(a)10 GA Rule 391-3-1-.02(2)(b)1, GA Rule 391-3-1-.02(2)(e)	3.4.5, 3.4.6, 3.5.1, 3.5.2, 5.2.1, 6.1.7 (e), 6.2.2, 6.2.5	PC02	Dry Filtration System (Stack ID = PS02)
P003	Spray Painting Booth AMCOM	GA Rule 391-3-1-.02(2)(a)10. GA Rule 391-3-1-.02(2)(b)1. GA Rule 391-3-1-.02(2)(e)1.(i)	3.4.5, 3.4.6, 3.5.1, 3.5.2, 5.2.1, 6.1.7, 6.2.2	PC03	Dry Filtration System (Stack ID = PS03)

* Generally applicable requirements contained in this permit may also apply to emission units listed above.

3.4 Equipment SIP Rule Standards

3.4.5 The Permittee shall not cause, let, permit, suffer, or allow the rate of emissions from the spray painting booth with ID No. P003, particulate matter emissions in excess of the rate derived from:
[391-3-1-.02(2)(e)1.(i)]

- a. $E = 4.1 * P^{0.67}$; for process input weight rate up to and including 30 tons per hour.
- b. $E = 55 * P^{0.11} - 40$; for process input weight rate above 30 tons per hour.

where P equals process input weight rate in tons per hour and E equals the allowable emission rate in pounds per hour.

3.4.6 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the spray painting booth with ID No. P003, and from the aircraft engine test cells with ID Nos. E001 and E002, any gases which exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1.]

3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

3.5.1 The Permittee shall operate the dry filtration system with ID No. PC03 at all times that the spray painting booth with ID No. P003 is in operation.
[391-3-1-.02(2)(a)10.]

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- 3.5.2 The Permittee shall perform dry filter changes, for the dry filtration system with ID No. PC03, any time the light turns from green to red on the airflow monitor installed on the spray painting booth with ID No. P003. Documentation of such filter changes shall be recorded in a log.
[391-3-1-.02(2)(a)10.]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

5.2.1 The Permittee shall, for each day or portion of a day that the spray painting booth with ID No. P003 is operated, perform an inspection of the dry filtration system with ID No. PC03. The condition of the light indicator (green or red) on the airflow monitor installed on the system shall be recorded. Any indication of improper operation of the dry filtration system and/or the need for any maintenance on the system shall be recorded in a maintenance log, along with a description of any corrective action taken and when it was completed. Regardless of the maintenance, the filters must be changed on the first working day of each calendar quarter, unless they were changed in the previous 30 days. Filters need not be changed if P003 was not used at all in the preceding quarter. The maintenance log, including all records of filter replacement, shall be kept in a form suitable for inspection or submittal to the Division.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

[391-3-1-.02(2)(a)3]

- i. Consumption of greater than 6,500,000 gallons of fuel onsite, including No. 2 fuel oil and JP8, during any 12 consecutive month period.
- ii. Consumption of any fuel that does not meet the specification of No. 1 or No. 2 fuel oils, or JP-8. Specifications for Nos. 1 and 2 fuel oils are contained in ASTM D396 "Standard Specifications for Fuel Oils". Specifications for JP-8 fuel are contained in Military Specification MIL-DTL-83133E, Turbine Fuels, Kerosene Types, NATO F-34, (JP-8), NATO F-35 and JP-8+100, Dated 1 April 1999.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
- i. Any indication of improper operation or adverse condition of the dry filtration system with ID No. PC03, discovered during an inspection required by Condition 5.2.1.
- ii. Any failure to operate the dry filtration system with ID No. PC03 at any time that the spray painting booth with ID No. P003 is in operation.
- iii. Any failure to change the filters of the dry filtration system with ID No. PC03 as required by Condition 5.2.1.

6.2 Specific Record Keeping and Reporting Requirements

- 6.2.2 The Permittee shall maintain a log for the dry filtration system with ID No. PC03 at any time that the spray painting booth with ID No. P003 is in operation. Failure to operate the air pollution control equipment as prescribed in Condition 3.5.1 shall be reported in accordance with Condition 6.1.7 and shall be indicated in the log.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]