

# Part 70 Operating Permit Amendment

Permit Amendment No.: **3721-067-0027-V-06-2**      Effective Date: **February 3, 2005**

**Facility Name:**                    **Lockheed Martin Aeronautics Company - Marietta**

**Facility Address**                86 South Cobb Drive  
Marietta, Georgia 30063 (Cobb County)

**Mailing Address:**            86 South Cobb Drive  
Marietta, Georgia 30063

**Parent/Holding Company:**    Lockheed Martin Aeronautics Company

**Facility AIRS Number:**      04-13-067-00027

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 an amendment to the Part 70 Operating Permit for:

Increasing the jet fuel usage limit for uninstalled jet engine testing in the F-22 Hush House from 40,000 gallons to 55,000 gallons per 12-month period.

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. 3721-067-0027-V-06-0. Unless modified or revoked, this Permit Amendment expires simultaneously with Part 70 Permit No. 3721-067-0027-V-06-0.

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-15467 dated June 29, 2004; any other applications upon which this Permit Amendment or Permit No. 3721-067-0027-V-06-0 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 4 pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 3721-067-0027-V-06-0.

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Director  
Environmental Protection Division

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## Title V Permit Amendment

### **PART 1.0 FACILITY DESCRIPTION**

#### **1.3 Process Description of Modification**

Lockheed Martin Aeronautics Company – Marietta facility (LM Aero) tests jet engines at the Hush House which is part of the F/A-22 production line (Emission Unit Group HH01). The jet fuel usage limit for the Hush House in Condition 3.2.1 is being increased from 40,000 gallons per year to 55,000 gallons per year to reflect recent update to the emission factors for the jet engines. The fuel usage increase will cause insignificant increases in PM/PM<sub>10</sub> and SO<sub>2</sub> emissions from the source. There will be no increases in NO<sub>x</sub> VOC and CO emissions.

To allow the fuel usage limit increase to be processed as expeditiously as possible, LM Aero requested that the other modifications and/or changes included with the Application No. 15467 to be processed separately from the fuel limit increase for the Hush House. Therefore, this permit amendment will only establish the new fuel limit. LM Aero will submit a separate application for other modifications and/or changes.

**PART 3.0 REQUIREMENTS FOR EMISSION UNITS**

**3.2 Equipment Emission Caps and Operating Limits**

**Modified Condition**

3.2.1 The Permittee shall not consume more than 55,000 gallons of jet fuel for the purpose of uninstalled jet engine testing in the F-22 Hush House (Emission Unit Group HH01) during any twelve consecutive month period.

[391-3-1-.03(8)(c)(13)(ii) – Non-attainment NSR Avoidance]

**PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**

**6.1 General Record Keeping and Reporting Requirements**

**Modified Conditions**

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)]

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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)

i. Any use of jet fuel for the purpose of uninstalled jet engine testing in the F-22 hush house (Emission Unit Group HH01) exceeding 55,000 gallons per any twelve consecutive month period.

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**6.2 Specific Record Keeping and Reporting Requirements**

**Modified Condition**

- 6.2.25 The Permittee shall use the calculations required by Condition No. 6.2.24 to determine the twelve month rolling total fuel usage for each month and notify the Division in writing if the consumption of fuel used for the purpose of uninstalled jet engine testing in the F-22 Hush House (Emission Unit Group HH01) exceeds 55,000 gallons during any twelve consecutive month period. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain future compliance with the emission limit in Condition No. 3.2.1. All calculations used to determine emissions should be kept as part of the monthly record.  
[391-3-1-.02(6)(b)(1) and 40 CFR 70.6(a)(3)(i)]