Title V Air Operation Permit Revision
Permit No. 0090051-022-AV

APPLICANT

The applicant for this project is National Aeronautics and Space Administration. The applicant's responsible official and mailing address are:

Mr. Kelvin Manning, Associate Director for Business Operations-KSC
NASA-KSC
Mail Code: AA-B
Kennedy Space Center, FL 32899

FACILITY DESCRIPTION

The applicant operates Kennedy Space Center, which is located at NASA-KSC, Mail Code: AA-B, Kennedy Space Center, FL 32899.

This is a spacecraft launch facility that contains the following air emission units:

a) Hot Water Generators/Boilers with an individual heat input of at least 10 MMBtu/hr (listed in Attachment 1-A)

b) Surface Coating Operations (listed in Attachment 2-A)

c) Internal Combustion Engines (listed in Attachments 3-A and Attachment 5-A)

d) Hypergol Fueling and Servicing Activities (listed in Attachment 6-A)

e) Portable Aggregate Material Crushing Operations

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to revise the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Initial Title V Air Operation Permit issued **March 29, 1999**
Renewed Title V Air Operation Permit issued **August 26, 2003**
Renewed Title V Air Operation Permit issued **November 21, 2008**
Air Construction Permit issued **November 21, 2008**
Air Construction Permit issued **October 9, 2009**
Administrative Correction issued **November 23, 2010**
Application for a Title V Air Operation Permit Revision received **December 6, 2011**
Additional Information Request dated **February 3, 2012**
Additional Information Response received **April 24, 2012**
Application complete **April 24, 2012**

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is not a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

- 40 CFR 60, Subpart A, NSPS General Provisions
- 40 CFR 60, Subpart IIII, Stationary Compression Ignition (CI) Internal Combustion Engines
- 40 CFR 60, Subpart JJJJ, Stationary Spark Ignition (SI) Internal Combustion Engines

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

- 40 CFR 63, Subpart A, NESHAP General Provisions
- 40 CFR 63, Subpart JJJJJJ, Industrial, Commercial, and Institutional Boilers

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility.

PROJECT REVIEW

Changes made as a result of this revision are as follows:

(1) Reformatting to reflect new Title V permit template;

(2) Remove two scrubbers and reflect the addition of two compression ignition generators (Construction Permit 0090051-019-AC);

(3) Clarification of RICE NESHAP regulatory applicability regarding 40 CFR 63, Subpart ZZZZ;

(4) Updated List of Insignificant Emission Units and/or Activities; and

(5) Provides for the operation of a portable material crushing operation (EU 092).

CONCLUSION

This project revises Title V Air Operation Permit No. 0090051-018-AV, which was issued on November 21, 2008. This Title V air operation permit renewal and revision is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.