JEA
JEA's Northside Generating Station and St. Johns River Power Park (NGS/SJRPP)
Separation Technologies LLC's Separation Technologies, Inc. (STI)

Title V Air Operation Permit Renewal
Draft Permit No. 0310045-020-AV

Air Construction Permit Revision
Draft Permit No. 0310045-021-AC

APPLICANT

The applicant for this project is JEA. The applicant's responsible official and mailing address are: Mr. James M. Chansler, P.E., D.P.A., Chief Operating Officer, JEA, NGS/SJRPP/STI, 21 West Church Street Jacksonville, Florida 32202.

FACILITY DESCRIPTION

The applicant operates the NGS/SJRPP/STI, which is located at 4377 Heckshire Drive, Jacksonville.

The existing facility consists of JEA's Northside Generating Station (NGS) and St. Johns River Power Park (SJRPP) facilities and the Separation Technologies LLC's Separation Technologies, Inc. (STI) fly ash processing system.

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

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility and for the concurrent processing of an air construction (AC) permit revision. The AC permit revises a specific condition of air construction permit 0310045-003-AC/PSD-FL-265, clarifying that tests may be conducted on the current blend of coal and/or petroleum coke and not require that the fuel be switched to 100% coal for the test. The previously issued Permit No. 0310045-003-AC/PSD-FL-265 allowed the use of petroleum coke in CFB Boiler Nos. 1 & 2 and the materials handling operation.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal/Air Construction Permit Revision received July 3, 2008. The Responsible Official has certified that the Risk Management Plan was submitted to the RMP Reporting Center.
Additional Information Response received on September 16, 2008.
Additional Information Response received on September 30, 2008.
Public Notice published on [Month day, year].
Proposed Permit posted on web site on [Month day, year].

PRIMARY REGULATORY REQUIREMENTS

Title III: This facility is a major source of hazardous air pollutants (HAP), based on the Title V permit renewal application received July 3, 2008.

Title IV: This facility operates units subject to the acid rain provisions of the Clean Air Act.

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

PSD: This facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: This facility operates units subject to the Standards of Performance for New Stationary Sources (NSPS) of 40 Code of Federal Regulations (CFR) 60.

CAIR: This facility operates units subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

Siting: Several of the emissions units were originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does apply to units at this facility. CAM applies to particulate matter emissions from the NGS Circulating Fluidized Bed Boiler Nos. 2 & 1 (Emission Unit ID Nos. -026 & -027) and SJRPP Boiler Nos. 1 & 2 (Emission Unit ID Nos. -016 & -017).

PROJECT REVIEW

Changes were made in the format of this renewed Title V permit.

Draft Permit

- Conditions were removed from the previous permit and new conditions were added into this permit. For these reasons, the conditions in this new permit were renumbered.
- Removed all references to state air operation permits within the regulatory citations of permit specific conditions.
- The previously included requirements from NSPS 40 CFR Subpart A within the emissions unit section of the permit for the CFB Boiler Nos. 1 & 2 (Emission Unit ID Nos. -027 & -026) were removed and are now specifically attached to the permit as Appendix 40 CFR 60 Subpart A.
- Included standardized permit conditions for the emissions units regulated under the NSPS Subpart Da: CFB Boiler Nos. 1 & 2 (Emission Unit ID Nos. -026 & -027) and SJRPP Boiler Nos. 1 & 2 (Emission Unit ID Nos. -016 & -017), specifically attached to the permit as Appendix 40 CFR 60 Subpart Da.
- Included standardized permit conditions for the affected emissions units regulated under the NSPS Subparts Y and OOO, specifically attached to the permit as Appendix 40 CFR 60 Subpart Y and Appendix 40 CFR 60 Subpart OOO.
- An AC permit revision, Permit No. 0310045-021-AC, is reflected in this renewal which was a minor change to the previously issued AC permit.

CONCLUSION

This project renews Title V air operation permit No. 0310045-011-AV, which was effective January 1, 2004 and revises Permit No. 0310045-003-AC/PSD-FL-265. This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, 62-213 and 214, Florida Administrative Code (F.A.C.). In accordance with the terms and conditions of this permit, the above named permittee is hereby authorized to operate the facility as shown on the application and approved drawings, plans, and other documents, on file with the permitting authority.