Initial Title V Air Operation Permit
Permit No. 0810215-004-AV

APPLICANT

The applicant for this project is Gulfstream Natural Gas System, L.L.C. The applicant's responsible official and mailing address are: Mr. Albert R. Taylor, Vice President, Operations, Gulfstream Natural Gas System, L.L.C., 1905 Intermodal Circle, Suite 310, Palmetto, FL 34221.

FACILITY DESCRIPTION

The applicant operates Compressor Station 420, which is located at 4610 Buckeye Road, in Palmetto, Manatee County. The facility is a natural gas pipeline compressor station on the Gulfstream natural gas pipeline transmission system. The compressor station consists of three natural gas fired combustion gas turbines that power axial gas compressors to maintain natural gas pipeline pressure. The combustion gas turbines are equipped with lean premix dry low-NOx combustion systems to reduce emissions of nitrogen oxides. The facility also includes three natural gas fired backup emergency generators powered by reciprocating internal combustion engines.

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

PROJECT DESCRIPTION

The purpose of this permitting project is for an initial Title V operation permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Initial Facility Minor Source Air Construction Permit (0810215-001-AC) issued November 7, 2007

Initial Facility Minor Source Air Operation Permit (0810215-002-AO) issued August 14, 2009

Minor Source Air Construction Permit (0810215-003-AC) issued March 18, 2010 for third compressor combustion gas turbine (making the facility a Title V major source)

Application for an Initial Title V Air Operation Permit received September 26, 2011

Notice of Intent to Issue Air Permit issued November 28, 2011

Public Notice published January 6, 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 emissions units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60. (The three combustion gas turbines are all subject to Subpart KKKK.)

NESHAP: The facility does operate an emissions unit subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63. (EU 004 (SI RICE) is subject to NESHAP 40 CFR 63 Subpart ZZZZ)

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 emissions units at the facility since they do not include any applicable emission control devices. *(Note - NOx from the gas turbines, the only pollutant with emission limitations, is controlled by the design of turbine combustion systems.)*

PROJECT REVIEW

This project is for the initial Title V air operation permit for this facility**.**

CONCLUSION

This initial Title V air operation permit is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.