Title V Air Operation Permit Revision
Permit No. 1330037-014-AV

APPLICANT

The applicant for this project is Florida Gas Transmission Company. The applicant's responsible official and mailing address are: Mr. David W. Shellhouse, Vice President Southeast Operations, Florida Gas Transmission Company, 2405 Lucien Way, Suite 200, Maitland, Florida 32751-7047.

FACILITY DESCRIPTION

The applicant operates the Compressor No. 12, which is located at13100 Munson Highway, Milton. This facility is part of a natural gas transmission pipeline system and consists of six natural gas fired internal combustion compressor engines and three natural gas-fired turbine compressor engines, and miscellaneous support equipment, including , including two natural gas fired Generac SG 300 emergency generator engines (454 hp).

Emissions Unit (EU) 001 through EU003 are natural gas fired RICE that are naturally aspirated and operate at near stoichiometric air-to-fuel ratio. NOx and carbon monoxide (CO) are emitted uncontrolled through raised stacks. EU004 and EU005 are also natural gas fired RICE that have improved turbochargers providing more air at higher pressures to reduce NOx emissions and have jet cell pre-combustion technology and catalytic converters to reduce CO emissions. EU006 incorporates "lean burn" technology to minimize NOx emissions and is subject to a Best Available Control Technology (BACT) determination of 2 g/bhp-hr NOx established in accordance with Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD). EU008 is a natural gas fired turbine compressor that incorporates dry, low NOx combustion technology and was modified to include jet cell technology. EU0010 is a natural gas fired turbine compressor that also incorporates dry, low NOx combustion technology. The natural gas fired 454 bhp emergency generators (previously part of EU009, but are now EU012) will utilize a non-selective catalytic reduction or 3-way catalyst as its primary control technology. EU011 uses lean premix combustion technology will minimize the formation of nitrogen oxides. The 454 natural gas fired emergency generator engines will comply by manufacturer's certification.

Compliance is assured by annual testing using EPA methodology for NOx, CO and opacity, by submission of annual operation reports, and by submission of an annual certification of compliance. Compliance with the SO_2 standard is demonstrated by fuel monitoring. Compliance with the VOC standards is demonstrated by compliance with the CO standards.

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. This construction permit revises construction permit no. 1130037-011-AC by increasing the heat input (from 158 to 165 MMBtu/hr) and maximum emissions of the Solar Titan 130-20502SA gas turbine No. 1209 (EU011). This revision also updates specific conditions for the two natural gas fired emergency generator engines (454 hp) that were part of EU009, (now EU012), specifically noting that the engines were manufactured after January 1, 2009 and are subject to the emission limits in Table 1 of 40 CFR 60 subpart JJJJ. If the certified emergency generator engines and control devices are operated and maintained according the manufacturer's emission related written instructions and records are kept of conducted maintenance, performance testing is not required for the owner or operator.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Renewed Title V Air Operation Permit issued June 25, 2008
Title V Air Operation Permit Administrative Correction issued February 5, 2010
Application for a Title V Air Operation Permit Revision received June 2, 2011
Notice of Intent to Issue Air Permit issued August 31, 2011
Public Notice Published September 3, 2011

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is 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 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.

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

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 that were made as part of this revision include the information in the above project description and reformatting and replacement of TV-6 with new Appendix TV.

CONCLUSION

This project revises Title V air operation permit No. 1130037-010-AV, which was issued on June 25, 2008. This Title V air operation permit 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.