



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

October 13, 2005

Mr. James M. Chansler, P.E., D.P.A.
Vice President, Operations and Maintenance
JEA
21 West Church Street
Jacksonville, Florida 32202

Re: DEP File No. 0310485-015-AC; Modification of Permit No. PSD-FL-310 (PA 00-43)
Brandy Branch Generating Station / Duval County

The applicant, JEA, applied on August 29, 2005, to the Department for a modification to PSD permit number PSD-FL-310 at its Brandy Branch Generating Station located in Duval County. The modification is to allow for Units 2 and 3 to operate on natural gas down to loads of at least 65 gross megawatts. In support of the request, JEA has provided test results for its simple cycle Unit 1 (an identical, co-located combustion turbine), under tests which were authorized by the Department during October of 2004, which indicate that CO levels can be consistently maintained under 11 ppmvd @ 15% O₂ while operating at 65 gross megawatts. Currently, the permit limits CO emissions to 15 ppmvd @ 15% O₂ while firing natural gas and minimizes operation below 50% output as a result of expected increases in CO while operating at lower loads.

The Department has reviewed the modification request. The referenced permit is hereby modified as follows:

III. Emissions Unit(s) Specific Conditions

- 14 A. Allowable fuels: The facility is authorized to burn any combination of natural gas (2.0 grains sulfur / 100 scf), low sulfur fuel oil (0.05% sulfur) and lower sulfur fuel oil (0.0065% sulfur). The combinations of these fuels are subject to the hour limitations and record-keeping requirements set forth in 14.B. and 14.C. below. Unless otherwise authorized by this permit, CT operation below ~~50% output~~ 65 gross MW shall be limited to 2 hours during each calendar day.
25. Excess emissions resulting from startup, shutdown, or malfunction shall be permitted provided that best operational practices are adhered to and the duration of excess emissions shall be minimized. Excess emissions occurrences shall in no case exceed two hours in any 24-hour period except during "warm" or "cold" start-up to combined cycle plant operation. During cold start-up to combined cycle operation, up to four hours of excess emissions are allowed in any 24-hour period. During warm startup from combined cycle operation, up to three hours of excess emissions are allowed in any 24-hour period. Cold start-up is defined as a startup to combined cycle operation following a shutdown lasting at least 72 hours. Warm startup is defined as a startup to combined cycle operation following a shutdown lasting at least 24 hours. A startup of any type is defined as being complete upon the first 3-hour block NO_x average of 3.5 ppmvd or less (15 ppmvd or less for oil firing). Operation below ~~50% output~~ 65 gross MW per turbine shall otherwise be limited to 2 hours in any 24-hour period. [Rule 62-210.700, F.A.C.].

All other terms and conditions of this permit remain unchanged. A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

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Executed in Tallahassee, Florida.

Michael G. Cooke

Michael G. Cooke, Director
Division of Air Resource
Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this permit modification was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 10/14/05 to the person(s) listed:

James M. Chansler, JEA *
N. Bert Gianazza, P.E., JEA
Gregg Worley, EPA
John Bunyak, NPS
Chris Kirts, NED
Robert S. Pace, P.E. EQD
Hamilton S. Oven, DEP-Siting

Clerk Stamp

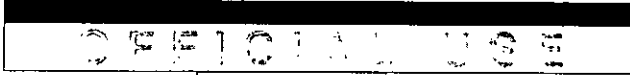
FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Mary J. Army
(Clerk)

10/14/05
(Date)

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Mr. James M. Chansler
V.P. Operations and Maintenance
JEA
St. Johns River Power Park
21 West Church Street
Jacksonville, Florida 32202