

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

IN RE: SITE CERTIFICATION)	
CEDAR BAY COGENERATION PROJECT)	OGC NO. 88-1089
CEDAR BAY COGENERATION, INC.)	CERTIFICATION NO. PA 88-24B
U.S. GENERATING COMPANY)	
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CORRECTED FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

On February 18, 1991, the Governor and Cabinet, acting as the Siting Board, issued a final order approving certification of the Cedar Bay Cogeneration Project. That certification order approved the construction and operation of a fluidized bed, coal fired cogeneration power plant and associated facilities to be located in Duval County, Florida. The facility is owned by Cedar Bay Generating Co. L.P. of which Cedar Bay Cogeneration, Inc. is a general partner.

On October 31, 1994, CBC filed a request to modify the conditions of certification pursuant to section 403.516(1)(b), Florida Statutes (F.S.). CBC requested relief from conditions controlling emissions from the material handling system and the storage, handling, shipping disposal and reuse of solid wastes produced by the combustion of coal.

Copies of CBC's request were distributed to all parties to the certification proceeding and made available for public review. On March 24, 1995, the Department published a Notice of Intent to Issue the Proposed Modification in the Florida Administrative Weekly. Copies of the intent to issue were sent to all parties to the original proceeding. As of March 23, 1995, all of the parties to the original proceeding had received copies of the intent to issue. The notice specified that a hearing would be held if a party to the original certification hearing objects within 45 days from receipt of the proposed modification or if a person whose substantial interests will be affected by the proposed modification objects in writing within 30 days after issuance of the public notice. No timely objection to the proposed modifications that are set forth below was received by the Department. The other matters that were addressed in the original modification request and in the Department's proposed order of modification, but that are not further addressed herein, will be addressed in separate orders at a later date.

Accordingly, in the absence of any timely objection, IT IS ORDERED :

The proposed modifications to the Conditions of Certification relating to material handling emissions sources and solid waste disposal at the Cedar Bay Cogeneration Facility are hereby APPROVED. Pursuant to section 403.516(1)(b), F.S., the Department hereby modifies the conditions of certification for the Cedar Bay Cogeneration Project as follows:

II. B. 4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building

Coal Silo Conveyor

Limestone Pulverizers(2)/Conveyors

Limestone Storage Bins (2)

Bed Ash Hopper

Bed Ash Separator

Bed Ash Silo Vent

Fly Ash Silo Vent

Fly Ash Separators (2)

Bed Ash Receiver Bin

Fly Ash Receiver Bin

Pellet Vibratory Screen System

~~Pelletizing Ash Recycle Tank~~

~~Pelletizing Recycle Hopper~~

Cured Pellet Screening Recycle Conveyor System

Pellet Recycle Conveyor

Pelletizing Rail Loadout

The emissions from the above listed sources are subject to the particulate emission

limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62 17-296.711, F.A.C.). Since these sources are RACT standard type then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Rule 62 17-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992+ version).

b. The PM emissions from the following process, equipment, and/or facility in the material handling and treatment area sources shall be controlled ~~using wet suppression/removal techniques as follows:~~

~~Coal Car Unloading~~
Ash Pellet Hydrator: Scrubber
Ash Pellet Curing Silos: Scrubber
Ash Pelletizing Pan: Scrubber

The above listed sources are subject to a visible emission (VE) and a particulate matter (PM) emission limitation requirement of 5 percent opacity and 0.01 gr/dscf (applicant-requested limitation, which is more stringent than what is allowed by rule), respectively, in accordance with Rule 62 17-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE and PM using EPA Methods 9 and 5, respectively, in accordance with Rule 62 17-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992+ version).

c. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading: Wet Suppression using continuous watersprays during unloading.

Dry Ash Rail Car Loadout:

Using closed or covered containers under negative air pressure during ash loadout; and using water sprays prior to removal of rail car loadout cap when loading open rail cars.

The above listed sources are subject to a visible emissions (VE) limitation requirement of five percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Rule 62-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version). Initial visible emission testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will either be pelletized or be sprayed with water to create a crust on the top layer of non-pelletized ash. Removal of bottom and fly ash from the Project site by any means other than by rail shall require the prior approval of DEP and RESD of the method(s) of fugitive emissions control.

7. The maximum emissions from each of the Limestone Pulverizers/Conveyors (including limestone dryer) limestone dryers shall not exceed the following: while using oil shall not exceed the following (based on AP-42 factor, Table 1, 3-1, Industrial Distillate, 10/86)

Estimated Limitations

<u>Pollutant</u>	<u>lbs/hr.</u>	<u>TPY</u>	<u>TPY for 2 pulverizers/conveyors dryers</u>
PM/PM10	<u>1.26*</u> 0.24	<u>1.68</u> 0.32	<u>3.36</u> 0.64
SO2	0.85	1.15	2.3
CO	0.60	0.81	1.62
NOx	2.40	3.25	6.5
VOC	0.05	0.06	0.12

The emissions for SO2, CO, NOx, and VOC are based on AP-42 factors, Table 1, 3-1, Industrial Distillate, 10/86).

* This reflects the emission limitation for the limestone pulverizers/conveyors in Condition II.B.4.a. and limits the emission for the Limestone Pulverizers/Conveyors and the dryer.

Visible emissions from the limestone pulverizers/conveyors dryers shall not exceed 5% opacity.

IX. SOLID WASTE STORAGE AND DISPOSAL

CBCP shall be responsible for arranging for the proper storage, handling, disposal, or reuse of any solid waste generated by the CBCP facility. Solid waste produced by the operation of the CBCP facility shall be removed from the site and disposed of in a permitted disposal facility, with the exception of bottom ash and fly ash. Bottom ash and fly ash ~~may will~~ be pelletized, or made into aggregate form, and ~~shall be either shipped by rail back to the mine, or to a permitted disposal area outside Duval County. utilizing the trains to deliver the coal, or sold as an additive to concrete, or utilized by~~ Ash may be shipped offsite to companies specializing in the marketing and utilization of combustion by-products. Fugitive emissions from storage and handling of ash materials will be controlled in accordance with these conditions and Department

rules. Open rail cars used to ship dry ash will be sealed to prevent leaks of ash during transport. There shall be no outside storage of CFB ash prior to pelletization or loadout of ash to sealed rail cars for removal from the site. The bottom ash and fly ash shall not be disposed of in a landfill within Duval County. If the CBCP decides to dispose of the bottom ash or fly ash by other than returning it to the mine site or a permitted disposal site outside Duval county, they shall notify RESD and DEP. Subsequent changes to the ash pelletization system which result in new or modified emissions sources or discharges shall require submittal of a request for modification of this certification, in accordance with section 403.516,F.S.

The remainder of Condition IX remains the same.

Any party to this Order has the right to seek judicial review of the Order pursuant to section 120.68, Florida Statutes, by the filing of Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Blvd., 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 of Appeal must be filed within 30 days from the date that the Final Order is filed with the Department of Environmental Protection.

DONE AND ENTERED this 29th day of Sept., 1995 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52
Florida Statutes, with the designated
Department Clerk, receipt of which
is hereby acknowledged.

Robanna Brown 10-9-95
Clerk Date

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for VIRGINIA B. WETHERELL
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CERTIFICATE OF SERVICE

I DO HEREBY CERTIFY that a true and correct copy of the foregoing document has been sent by U.S. Mail to the following listed persons:

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this 9th day of October, 1995.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


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