

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In Re:)
Florida Crushed Stone Company)
Power Plant Certification)
Modification Request)
No. PA 82-17E)
Hernando County, Florida)
_____ /

OGC NO. 94-1980

DEP 94-0095

FINAL ORDER
MODIFYING CONDITIONS OF CERTIFICATION

The Department of Environmental Protection, after notice and opportunity for hearing, modifies the Conditions of Certification for the Florida Crushed Stone (FCS) power plant in Brooksville pursuant to the Florida Electrical Power Plant Siting Act, Section 403.516(1), Florida Statutes, and Condition XXV, Modification of Conditions, which delegates authority to modify conditions to the Department.

In March 1995, a request for modification was filed to allow construction and operation of a second cement kiln and related facilities on the site. Upon review of all submitted material, the Department recommends that the requests be approved.

Copies of the department's proposed action were distributed to all parties to the certification proceeding and made available for public review. On June 9, 1995, a Notice of Proposed Modification of Power Plant Certification was published in the Florida Administrative Weekly. As of June 7, 1995, all of the parties to the original proceeding had received copies, sent by certified mail, of the intent to modify. 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 notice of 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 was received by the Department.

Accordingly, in the absence of any timely objection,

IT IS ORDERED:

The proposed changes to the conditions of certification for the Florida Crushed Stone power plant are approved. The Department hereby approves the modification, and, pursuant to section 403.516(1)(b), F.S., the Department hereby modifies the conditions of certification for the Florida Crushed Stone facility

as follows:

I. Air

The construction and operation of the Florida Crushed Stone Company (FCS) steam electric power plant site shall be in accordance with all applicable provisions of Chapters ~~17-2, 17-4, and 17-17~~ 62-296, 62-297, and 62-4, Florida Administrative Code (FAC). In addition to the foregoing, the permittee shall comply with the following specific conditions of certification:

A. Emission Limitations

1. a. No change
 - b. NO_x - 0.7 lb. per million BTU heat input, averaging time per Rule ~~62-297~~, FAC, not to exceed 846 lb/hr.
 - c. Particulates (PM/PM₁₀) - 0.0135 lb. per million BTU heat input, average time per ~~40~~ CFR 60.46.
 - d. Visible emissions - ~~10%~~ opacity, 6-minute average, except for one 6-minute period per hour of not more than ~~17%~~ opacity.
2. Stack emissions from the combined cement plant I, lime plant and power plant boiler shall not exceed the following site specific limitations:
- a. No change
 - b. NO_x - 0.7 lb. per million BTU heat input plus 2.9 lb. per ton of kiln feed (dry basis), averaging time per Rule ~~62-297~~, FAC, not to exceed 1205 lb/hr.
 - c. PM/PM₁₀ - 0.0135 lb. per MMBTU (25.0 lbs per hour at 1,850 MMBTU/hr) plus 0.3 lb from cement kiln I and 0.1 lb from clinker cooler I per ton of kiln feed (dry basis), averaging time per ~~40~~ CFR 60.46.
3. When the power plant boiler is operating alone and cement plant I is not in operation, the maximum heat input rate of the boiler shall not exceed the site specific limit of 1,000 million BTU per hour, maximum three-hour average.

4-12. No change

13. In accordance with Rules ~~62-210.700~~ (1) and (6), excess emissions resulting from startup,

shutdown or malfunction of any source shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration. In case of excess emissions resulting from malfunctions, the permittee shall notify the Department in accordance with Rule 62-4.130, Florida Administrative Code. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

14-15. No change

16. Stack emissions from cement plant II shall not exceed the following site specific limitations for the cement kiln, clinker cooler, raw mill and preheater as given in Permit No. AC95-?????:

(dry basis)	Emission Limits	MAX. ALLOWABLE EMISSIONS	
POLLUTANT	LBS/TON KILN FEED	LBS./HR.	TONS/YR.
Particulate (Cooler)	0.1	12.7	55.6
Particulate (Kiln)	0.2	25.4	111.3
SO ₂	0.18	22.4	98.2
NO _x	1.83	232.4	1018

The measured emission rates will be the combined rates from the Unit II cement kiln stack. Visible emissions shall not be equal to or greater than 10% opacity, also determined at the Unit II cement plant stack. Permit No. AC95-274892 also specifies:

- a. The raw and finished material feed rates and fuel types for cement plant II;
- b. The operating conditions required for proper operation and startup/shutdown periods; and
- c. The testing, monitoring, recordkeeping, and reporting requirements for cement plant II.

17. Minor source cement plant II particulate emissions due to the storage and/or use of raw materials, intermediate (cement kiln dust) and final (clinker) products will be controlled through the use of silos and/or covered conveyors equipped with fabric filter baghouses designed for outlet grain loading of 0.01 gr/dscf. A visible emission reading of 5% opacity or less may be used to establish compliance with the lb/hour emission limits for each source given in the permits. A visible emission reading greater than

~~5% opacity will require the permittee to perform a stack test using EPA Methods contained in 40 CFR 60, Appendix A with minimum requirements for stack sampling facilities, source sampling and reporting in accordance with 62.297, FAC.~~

B. Air Monitoring Program

1. A flue gas oxygen meter shall be installed for the unit to continuously monitor a representative sample of the flue gas. The oxygen monitor shall be used with automatic feedback or manual controls to continuously maintain air/fuel ratio parameters at an optimum. Performance tests shall be conducted and operating procedures established. The document "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls" may be used as a guide. The permittee shall install and operate continuous monitoring devices for the boiler/cement plant exhaust for sulfur dioxide and opacity to demonstrate compliance with the pound-per-hour SO₂ emission limits and visible emission limits, respectively, in Conditions I.A.1.a and I.A.2.a. The monitoring devices shall meet the applicable requirements of Section ~~62-297.500~~, FAC. and 40 CFR 60.45, and 40 CFR 60.13. including certification of each device. The permittee will provide the department with 30 days notice on each certification.

C. Stack Testing

6. Instruments shall be installed, calibrated, and maintained to continuously measure the amounts of coal and limestone used in the boiler, material fed to cement kiln I, and clinker produced by cement kiln I. The records of coal and limestone used in the boiler, fuel analysis, daily cement kiln I feed and clinker produced shall be reported quarterly to the Department's Southwest District Office.

D. Reporting

1. Stack monitoring, fuel usage and fuel analysis data shall be reported to the Department's Southwest District Office and to the Hernando County Health Department on a quarterly basis commencing with the start of commercial operation in accordance with 40 CFR 60.7 and Rule ~~62-297.500~~, FAC.

G. ~~The heat input rate of the boiler, with or without cement kiln I operating shall not exceed the maximum necessary to produce 150 MW of power and shall in no case exceed 1,850 MMBTU/hr, maximum three-hour average.~~

H. Cement Kiln #2 shall be constructed and operated in accordance with PSD FL 22.

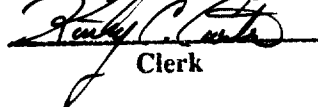
NOTICE OF RIGHTS

Any party to this Order has a right to seek judicial review of this Order pursuant to Section 120.68, Florida Statutes, by the Filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 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 of Appeal must be filed within 30 days from the date this Order is filed with the clerk of the Department.

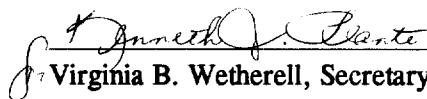
DONE AND ORDERED this 18th day of December, 1995, in Tallahassee, Florida.

FILING AND ACKNOWLEDGEMENT

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


Clerk 12-19-95
Date

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION


Virginia B. Wetherell, Secretary

Certificate of Service

I hereby certify that a copy of the Final Order Modifying Conditions of Certification of the Florida Crushed Stone company was sent to the following parties by United State mail on the 18th day of December, 1995.

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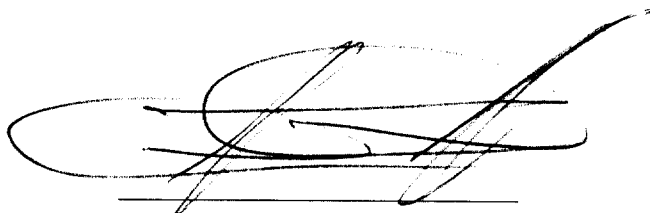
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A large, stylized handwritten signature in black ink, appearing to read 'Charles T. Collette', is written over a horizontal line.

Charles T. Collette
Assistant General Counsel

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