04/18/97

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

FINAL ORDER
MODIFYING CONDITIONS OF CERTIFICATION

The Department of Environmental Protection has received a request to modify the Conditions of Certification for the Florida Crushed Stone (FCS) power plant in Brooksville, Florida 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.

On September 11, 1996, a request for amending PSD Permit PSD-FL-227, and on January 13, 1997, a request for modification of the conditions of certification was filed to allow construction and operation of a revised, second cement plant and related facilities on the existing site. The Department has reviewed the proposed request. On November 12, 1996, the Bureau of Air Regulation prepared a Public Notice of Intent to Issue Air Construction Permit for publishing. Upon review of all submitted material, the Department issued Permit No. AC27-274892(A) and PSD-FL-227(A) on February 10, 1997. On February 21, 1997, the Department published Notice of Proposed Modification in the Florida Administrative Weekly and served notice on all parties to the original proceeding. No written objections to the proposed modifications have been received.

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 the applicable provisions of the Department of Environmental Protection's (DEP) regulations as found in Chapters 62-296, 62-297, 62-301, 62-302, 62-522, 62-701, and 62-702, Florida Administrative Code, (F.A.C.).

A. Emission Limitations

16. If the preheater kiln technology is selected, Sstack 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. AC9527-274892:

(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

If the precalciner kiln technology is selected, stack emissions from Cement Plant II shall not exceed the following site specific limitations for the cement kiln, clinker cooler, raw mill, shaft dryer heater, and precalciner as given in Permit No. AC27-274892(A):

(dry basis)	Emission Limits	MAX ALLOWABLE EMISSIONS	
POLLUTANT	LBS./TON KILN FEED	LBS./HR.	TONS/YR.
Particulate (Cooler)	0.1	15.9	70
Particulate (Kiln)	0.2	31.9	140

SO_2	0.15	24.0	105
NO_x	1.83	291.7	1278

The measured emission rates will be the combined rates from the Cement Plant II cement kin stack. Visible emissions shall not be equal to or greater than 10% opacity, also determined at the Unit II cement plant stack. Permits No. AC9527-274892 and AC27-274892(A) also ~~specifies~~ specify:

a. No change

b. No change

c. No change

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/~~acf~~dscf. A visible emission reading of 5% opacity or less may be used to establish compliance with the ~~lb/hour~~ gr/dscf 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 Chapter 62-297, F.A.C.

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 I exhaust for sulfur dioxide and opacity to demonstrate compliance with the pound per hour SO_2 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 Chapter ~~Section~~ 62-297, F.A.C. and 40 CFR 60.45---.

H. Cement Plant 2, and its associated equipment, shall be constructed and operated in accordance with PSD FL ~~22~~ 227 or 227(A).

II.C. Water Monitoring Programs

The permittee shall monitor and report to the Department's Southwest District Office or Water Management District the listed parameters ---.

XXV. Modification of Conditions

The conditions of this certification may be modified in the following manner:

A. The Board pursuant to 403.516(1), F.S., hereby delegates to the Secretary the authority to modify, after notice and opportunity for hearing, any conditions pertaining to consumptive use of water, monitoring of air or water, sampling, groundwater, mixing zones, zones of discharge, leachate control programs, effluent or emission limitations, and transmission line construction.

B. This certification shall be automatically modified to conform to any subsequent amendments, modifications, or renewals made by DEP under a federally delegated or approved program to any separately issued Prevention of Significant Deterioration (PSD) permit, Title V Air Permit, or National Pollutant Discharge Elimination System (NPDES) permit for the certified facility. Florida Crushed Stone shall send each party to the original certification proceedings (at the party's last known address as shown in the record of such proceeding) notice of requests for modifications or renewals of the above listed permits if the request involves a relief mechanism (e.g., mixing zone, variance, etc.) from standards, a relaxation of conditions included in the permit due to state permitting requirements, or the inclusion of less restrictive air emission limitations in the air permits. DEP shall notify all parties to the certification proceeding of any intent to modify conditions under this section prior to taking final agency action.

C. All other modifications shall be made in accordance with Sections 403.516, F.S.

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 filing 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 Notice of Appeal accompanied by the appropriate 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 15 day of April, 1997, in Tallahassee, Florida.

STATE OF FLORIDA, DEPARTMENT
OF ENVIRONMENTAL PROTECTION

VIRGINIA B. WETHERELL
Secretary
Marjorie Stoneman Douglas Building
3900 Commonwealth Building
Tallahassee, Florida 32399-3000
(904) 488-4805

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

4/18/97
Date

82-17

Certificate of Service

I hereby certify that a copy of the Proposed 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 April, 1997.

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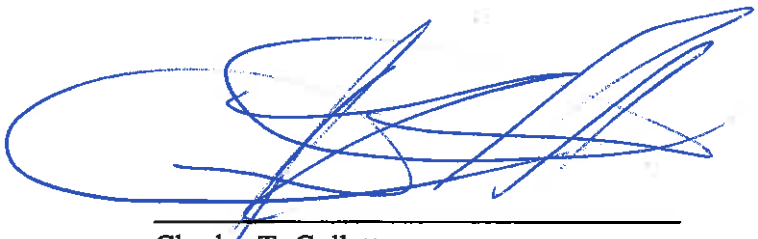

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