KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES
4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 • FAX/377-7158

Project No. 307-01-06

Fax

To: Bruce Mitchell FDEP - Tallahassee	
Fax No.:	
From: Pradeep Raval	Fax No.: 352-377-7158
Date: 7/16/02	Time: 11 am
Sent By: R	

This message consists of 1 page(s) PLUS this cover sheet.
If you experience difficulties with this transmission, please call 352-377-5822.

Remarks: This was something I was not aware of, but as soon as Dr. Koogler brought it to our attention, I thought I would send this letter to you right away so you could tie up one more loose end. R

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ENVIRONMENTAL SERVICES
4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 • FAX/377-7158

KA 307-01-06

July 16, 2002

Mr. Clair Fancy, P.E.
Florida Department of
Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Subject: AC/AV Revision Request
Florida Crushed Stone
Draft DEP File No. 0530021-006-AC, 0530021-007-AV

Dear Mr. Fancy:

This is a follow up to John Koogler's telephone conversation with Mr. Al Linero regarding the removal of reference to the Beryllium emission limit for the above source.

A reference to a Beryllium emission limit appears in PSD-FL-90/91, issued in 1984. Given the changes in the PSD regulations, Beryllium is no longer regulated for the source. We request that the reference to Beryllium be removed from the permit as part of the current permitting action. It is anticipated that Mr. Bruce Mitchell will be able to include this request as an addendum to the revision request submitted last week.

If you have any questions, please call me.

Very truly yours,

KOOGLER & ASSOCIATES

Steven C. Cullen, P.E.

SCC:par.
Encl.

C: P. Veneble, FCS
B. Mitchell, FDEP

BEST AVAILABLE COPY

TRANSMISSION VERIFICATION REPORT

TIME : 05/14/2003 21:32
NAME : FDEP DIVISION OF AIR
FAX : 8509226979
TEL : 8504880114
SER.# : BROG2J568046

DATE,TIME	05/14 21:29
FAX NO./NAME	6181374464 58
DURATION	00:03:34
PAGE(S)	07
RESULT	OK
MODE	STANDARD ECM

Florida Department of Environmental Protection

Jeb Bush
Governor

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

David Struhs
Secretary

FAX TRANSMITTAL SHEET

DATE: 5-15-03

TO: Sheila Schneider

PHONE: _____ **FAX:** 813/744-6458

FROM: Bruce Mitchell **PHONE:** 850/413-9198

Division of Air Resources Management **FAX:** **850.922.6979**

RE: Florida Crushed Stone Co.

CC: _____

Total number of pages including cover sheet: 7

Message

Please call me if anything is unreadable or you want

4/11/03

Thanks for the correspondence. However, I see where FCSC has been trial testing this material.....who authorized the trial tests? We have not, to my knowledge. If your section did authorized the trial testing, please provide me with the authorization documents. Thanks.

Bruce

-----Original Message-----
From: Kissel, Gerald
Sent: Friday, April 11, 2003 10:32 AM
To: Mitchell, Bruce
Subject: FW: Teco Big Bend IW sludge/FCS

-----Original Message-----
From: Kissel, Gerald
Sent: Thursday, February 13, 2003 8:36 AM
To: Linero, Alvaro; Sheplak, Scott
Cc: Peterson, Eric; Proses, Bill
Subject: FW: Teco Big Bend IW sludge/FCS

Apparently, some misc. sludge from TECO is to be burned in a cement kiln. Our waste people are addressing this from the waste side, but there are air implications. Since they have PSD and T5 permits from Tall'e, I'm passing this to you both to lead on this, but if you want us (SWD Air) to have a role, let Eric or Bill P know.

-----Original Message-----
From: Pelz, Susan
Sent: Tuesday, February 04, 2003 3:42 PM
To: Kissel, Gerald
Cc: Kutash, William
Subject: Teco Big Bend IW sludge/FCS

email from Bob Stafford & our response letter

<< Message: FW: TEC Big Bend - Beneficial Use Material >> << File: IW Pond Sludge reuse.02-04-03.doc >>

Mitchell, Bruce

From: Kissel, Gerald
Sent: Friday, April 11, 2003 1:35 PM
To: Mitchell, Bruce
Cc: Sheplak, Scott; Vielhauer, Trina
Subject: RE: Teco Big Bend IW sludge/FCS

Our involvement ended with my 2/13/03 e-mail below.

-----Original Message-----
From: Mitchell, Bruce
Sent: Friday, April 11, 2003 11:40 AM
To: Kissel, Gerald
Cc: Vielhauer, Trina; Sheplak, Scott
Subject: RE: Teco Big Bend IW sludge/FCS

4/11/03

Thanks for the correspondence. However, I see where FCSC has been trial testing this material.....who authorized the trial tests? We have not, to my knowledge. If your section did authorized the trial testing, please provide me with the authorization documents. Thanks.

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Florida Department of Environmental Protection

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

Jeb Bush
Governor

David Struhs
Secretary

FAX TRANSMITTAL SHEET

DATE: 4-17-03

TO: Steve Cullen

PHONE: 352/377-5822 **FAX:** 352/377-7158

FROM: Bruce Mitchell **PHONE:** 850/413-9198

Division of Air Resources Management **FAX:** 850.922.6979

RE: FCSC - TECO ash

CC:

Total number of pages including cover sheet: 7

Message

Steve,

Got your phone message - thanks. I am sending all of the correspondence that was given to me from the SWD. Give me a call when you can discuss the revision package that you will be preparing. Take care.

Bruce Mitchell

If there are any problems with this fax transmittal, please call the above phone number.

Mitchell, Bruce

From: Mitchell, Bruce
Sent: Friday, April 11, 2003 1:46 PM
To: Kissel, Gerald
Cc: Sheplak, Scott; Vielhauer, Trina
Subject: RE: Teco Big Bend IW sludge/FCS

Thanks for the reply.....it appears that solid waste is doing air permitting! Take care.

Bruce

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From: Kissel, Gerald
Sent: Friday, April 11, 2003 1:35 PM
To: Mitchell, Bruce
Cc: Sheplak, Scott; Vielhauer, Trina
Subject: RE: Teco Big Bend IW sludge/FCS

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<< Message: FW: TEC Big Bend - Beneficial Use Material >> << File: IW Pond Sludge reuse.02-04-03.doc >>

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2600 Blair Stone Road
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Jeb Bush
Governor

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FAX TRANSMITTAL SHEET

DATE: 5-15-03

TO: Sheila Schneider

PHONE: _____ **FAX:** 813/744-6458

FROM: Bruce Mitchell **PHONE:** 850/413-9198

Division of Air Resources Management **FAX:** **850.922.6979**

RE: Florida Crushed Stone Co.

CC: _____

Total number of pages including cover sheet: 7

Message

Please call me if anything is unreadable or you want to discuss. Take care.

Bruce Mitchell

If there are any problems with this fax transmittal, please call the above phone number.

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Bob Stafford
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601-0111

February 4, 2003

Re: Reuse of non-specification gypsum, filter press material and IWW Settling Pond Sludge, TECO Big Bend Station Consent Order, OGC Case #00-1275, Hillsborough County

Dear Mr. Stafford:

The Department has received your email request dated February 3, 2003 to provide 21 truck loads (approximately 24.4 tons) of non-specification gypsum, FGD filter press material and IWW Settling Pond Sludge to Florida Crushed Stone in Brooksville, Fl., for beneficial reuse in its cement production. Your proposal indicates that the material will be stored at Florida Crushed Stone under a covered area, and then discharged directly into hoppers that feed onsite silos.

Based on the information provided in your email, the Department **does not object** to the reuse of the specified materials at the Florida Crushed Stone Cement Manufacturing facility in Brooksville, Fl., for the purposes indicated. This concurrence is based on the Department's understanding that the material will be stored and managed at the Florida Crushed Stone facility such that pollutants potentially present in the material will not be discharged to the environment.

If you have any questions you may call me at (813) 744-6100, extension 353.

Sincerely,

William Kutash
Waste Program Administrator
Southwest District

sjp/WK
cc: Pat Venable, Florida Crushed Stone, PO Box 1508, Brooksville, Fl. 34605-1508
Timothy Parker, P.E., FDEP Tampa, IW
Susan Pelz, P.E., FDEP Tampa

Pelz, Susan

To: Kutash, William
Subject: RE: TEC Big Bend - Beneficial Use Material

-----Original Message-----
From: Bob Stafford [mailto:restafford@tecoenergy.com]
Sent: Monday, February 03, 2003 5:06 PM
To: Kutash, William
Cc: David Lukcic; Greg Nelson
Subject: TEC Big Bend - Beneficial Use Material

Bill, as a followup to our telephone conversation this afternoon regarding the Big Bend gypsum material and the beneficial use opportunity, the following information is provided.

A combination of non-spec gypsum, filter press material and the IWW settling pond material is destined for benefical use at Florida Crushed Stone's facility beginning Tuesday 2/4. The estimated quantity of material is 21 truck loads at 24.4 tons of material per truck or 512.4 tons. The test burn of this material is expected to last through the end of February.

Florida Crushed Stone has a covered area for temporary storage of this kind of material. Material that is temporarily stored under the covered area will be loaded into hoppers that feed into silos. From the silos, the material is then feed into the process where Portland cement is manufactured.

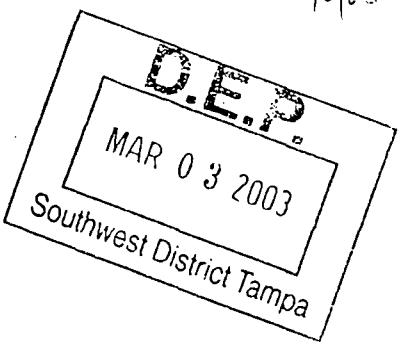
TEC is pleased to have an opportunity to work with Florida Crushed Stone in this beneficial use project in lieu of disposal of the material. Hopefully, the communication of this information provides the Department with a better understanding of the quantities expected to be used in this test project, and how this material will be managed.

If you have any questions regarding this beneficial use project, please let me know.

Thank-you,

Robert E. Stafford
Tampa Electric Company
Administrator
Environmental Affairs
Phone (813) 641-5040
email: restafford@tecoenergy.com

TAMPA ELECTRIC



February 20, 2003

Mr. William Kutash
Program Administrator
Florida Department of
Environmental Protection
Waste Management Division
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Via Facsimile and
Certified Mail No. 7002 0460 0003 1610 0741
Return Receipt Requested

Re: Tampa Electric Company (TEC)
Big Bend Station
Recycle/Settling Pond Dredge
Material and Non-Spec Gypsum Beneficial Use

Dear Mr. Kutash:

This letter is provided as a follow-up to our telephone conversation on February 13, 2003 and an email provided to the Department on February 3, 2003 regarding the beneficial use of the subject material.

Please be advised that Florida Crushed Stone is interested in accepting on a permanent basis material that is collected in the Big Bend Station's settling pond. The quantity of settling pond material coupled with non-spec gypsum (typically gypsum that does not meet specification by National Gypsum for wallboard production) will be provided to Florida Crushed Stone's plant at an approximate quantity of 15 trucks per day. The capacity of each truck is 24.4 tons. Although the test burn of this material was expected to last through the end of February 2003, Florida Crushed Stone informed TEC that it is interested in continuing to accept this material on a permanent basis.

Florida Crushed Stone has a covered area for temporarily storing this kind of material. Material that is temporarily stored under the covered area will be loaded into hoppers that feed into silos. From the silos, the material is then feed into the process where Portland cement is manufactured.

If you have any questions regarding this beneficial use project, please let me know.

Sincerely,

Robert E. Stafford
Administrator
Environmental Affairs

EA/bmr/RES1605

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

April 7, 2003

RECEIVED
APR 09 2003
BUREAU OF AIR REGULATION

B.J. Lower, Technical Director
Save Our Bays, Air and Canals (SOBAC)
485 Flamingo Drive
Apollo Beach, Fl. 33572

RE: Tampa Electric Company, Big Bend Power Station
"Fill from Big Bend perc pond", your e-mail dated March 26, 2003

Dear Mr. Lower:

The Department has received your email correspondence referenced above and would like to offer the following information to address your concerns. Please find enclosed copies of analytical data on the Teco Big Bend Recycle Pond and Settling Pond sediments for your review. Also please find our letter dated February 4, 2003 which approved Teco's request to send this material to Florida Crushed Stone in Brooksville, Fl., for beneficial reuse in their cement manufacturing process.

We hope that you will find this additional information helpful and that it will relieve your concerns about the movement and use of the industrial wastewater recycle pond and settling pond sediments at the Big Bend facility. If you have any further questions about the industrial wastewater recycle or settling pond sediments, please contact Ms. Susan Pelz, P.E., at (813) 744-6100 x 386 in our Southwest District Office. She is the Program Manager for our Solid Waste Program and can continue to provide updates on the ongoing corrective actions at the Big Bend facility.

Sincerely,

Deborah A. Getzoff
Director of District Management
Southwest District

sjp/wk/DAG
Enclosures
cc: Dominick Gebbia, 6322 Balboa Lane, Apollo Beach, Fl. 33572-2300
James Little, USEPA Region 4, 61 Forsyth St. S.W., Atlanta, Ga. 30303-8960
Richard D. Garrity, Ph.D., Director, EPC, Hillsborough County
Al Linero, Administrator, FDEP Tallahassee, DARM, New Source Review Section, MS#5500
Benjamin Brumberg, FDEP Tallahassee, Ombudsman
William Kutash, FDEP Tampa, Waste Program Administrator
Gerald Kissel, P.E., FDEP Tampa, Air Program Administrator
Tim Parker, P.E., FDEP Tampa, Water Facilities Program Administrator
Cece McKiernan, FDEP Tampa, Watershed Management Program Administrator
Robert Stetler, FDEP Tampa, Environmental Resources Program Administrator

Table 2. Settling Pond (IWW Recycling System) Sediment Characterization Sampling Program
Analytical Data Summary
TEC: Big Bend Station
Tampa, Florida

Parameter		Units	Drinking Water Standards	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Mean	Variance	Number of Samples	Standard Error	Upper 95% Confidence Level
Aluminum (SPLP)	S	mg/L	*0.2*	0.4	1	1.3	1.5	1.6	1.2	0.23	1	0.22	1.6
Antimony (SPLP)	P	mg/L	*0.006*	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA			
Arsenic (SPLP)	P	mg/L	*0.05*	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	NA	NA			
Barium (SPLP)	P	mg/L	*2*	< 1	< 1	< 1	< 1	< 1	NA	NA			
Beryllium (SPLP)	P	mg/L	*0.004*	< 0.005	0.0055	0.006	0.007	0.0075	0.0065	0.00	1	0.00	0.0074
Boron (SPLP)	GC	mg/L	*0.63*	3.2	2.4	2.4	3.7	2.1	2.8	0.44	1	0.30	**3.4**
Cadmium (SPLP)	P	mg/L	*0.005*	< 0.05	< 0.05	< 0.05	< 0.05	0.05	0.05	NA			
Chloride	S	mg/L	*250*	120	74	74	130	63	92	929.20	1	13.63	120
Chromium (SPLP)	P	mg/L	*0.1*	< 0.1	0.12	0.15	0.18	0.19	0.16	0.00	1	0.02	0.19
Copper (SPLP)	S	mg/L	*1*	0.07	0.15	0.2	0.22	0.24	0.18	0.00	1	0.03	0.24
Fluoride	P/S	mg/L	*2*	3.7	3.7	4.4	4.3	4.9	4.2	0.26	1	0.23	**4.7**
Iron (SPLP)	S	mg/L	*0.3*	0.7	0.3	0.2	0.3	< 0.2	0.4	0.05	20	0.11	0.6
Lead (SPLP)	P	mg/L	*0.015*	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA			
Manganese (SPLP)	S	mg/L	*0.05*	0.32	0.3	0.21	0.21	0.18	0.24	0.00	1	0.03	0.30
Mercury (SPLP)	P	mg/L	*0.002*	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	NA	NA			
Molybdenum (SPLP)	GC	mg/L	*0.035*	0.22	0.28	0.31	0.3	0.33	0.29	0.00	1	0.02	0.33
Nickel (SPLP)	P	mg/L	*0.1*	0.06	0.14	0.16	0.18	0.19	0.15	0.00	3	0.02	0.19
Selenium (SPLP)	P	mg/L	*0.05*	0.05	< 0.05	< 0.05	< 0.05	0.05	0.05	0.00	NA	0.00	0.05
Silver (SPLP)	S	mg/L	*0.1*	< 0.1	0.19	0.24	0.28	0.3	0.25	0.00	1	0.02	0.30
Sodium (SPLP)	P	mg/L	*160*	30	20	18	27	18	23	30.80	1	2.48	28
Strontium (SPLP)	GC	mg/L	*4.2*	0.84	0.7	0.64	0.63	0.63	0.69	0.01	1	0.04	0.77
Sulfate	S	mg/L	*250*	1600	1600	1600	1600	1500	1580	2000	1	20.00	1620
Thallium (SPLP)	P	mg/L	*0.002*	0.071	< 0.002	< 0.002	< 0.002	< 0.002	0.071	NA			
Vanadium (SPLP)	GC	mg/L	*0.049*	< 0.002	0.14	0.18	0.21	0.22	0.19	0.00	1	0.02	0.22
Zinc (SPLP)	S	mg/L	*5*	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA			

Notes: All parameters measured in milligrams per liter (mg/L).
P - Primary Drinking Water Standard
S - Secondary Drinking Water Standard
GC - Guidance Concentration (not regulatory standard)
Bold = Upper 95% Confidence Level exceeds water quality standard.

Sources: ENCO, 2002; and ECT, 2002.

Table 3. Recycle Pond (IWW Recycling System) Sediment Characterization Sampling Program
Analytical Data Summary
TEC: Big Bend Station
Tampa, Florida

Parameter		Units	Drinking Water Standards	Sample #6	Sample #7	Sample #8	Sample #9	Sample #10	Mean	Variance	Number of Samples	Standard Error	Upper 95% Confidence Level
Aluminum (SPLP)	S	mg/L	*0.2*	< 0.2	0.6	0.6	0.6	0.8	0.7	0.01	1	0.05	0.8
Antimony (SPLP)	P	mg/L	*0.006*	< 0.005	< 0.005	< 0.005	< 0.005	0.0096	0.01	NA			
Arsenic (SPLP)	P	mg/L	*0.05*	0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.04	NA			
Barium (SPLP)	P	mg/L	*2*	< 1	< 1	< 1	< 1	< 1	NA	NA			
Beryllium (SPLP)	P	mg/L	*0.004*	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA			
Boron (SPLP)	GC	mg/L	*0.63*	1.4	2	2.3	2.9	2.8	2.3	0.38	1	0.27	2.8
Cadmium (SPLP)	P	mg/L	*0.005*	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA			
Chloride	S	mg/L	*250*	49	72	71	96	90	76	341.30	1	8.26	92
Chromium (SPLP)	P	mg/L	*0.1*	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA			
Copper (SPLP)	S	mg/L	*1*	0.02	0.09	0.08	0.09	0.11	0.08	0.00	1	0.02	0.11
Fluoride	P/S	mg/L	*2*	3.4	3.8	2.7	3.4	5.7	3.8	1.29	1	0.51	4.8
Iron (SPLP)	S	mg/L	*0.3*	0.6	0.4	0.2	0.2	0.3	0.3	0.03	39	0.07	0.5
Lead (SPLP)	P	mg/L	*0.015*	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA			
Manganese (SPLP)	S	mg/L	*0.05*	0.096	0.074	< 0.05	< 0.05	< 0.05	0.09	0.00	1	0.01	0.11
Mercury (SPLP)	P	mg/L	*0.002*	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	NA	NA			
Molybdenum (SPLP)	GC	mg/L	*0.035*	0.13	0.83	0.58	1.5	0.71	0.75	0.25	2	0.22	1.20
Nickel (SPLP)	P	mg/L	*0.1*	< 0.05	0.09	0.06	0.08	0.09	0.08	0.00	2	0.01	0.09
Selenium (SPLP)	P	mg/L	*0.05*	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA			
Silver (SPLP)	S	mg/L	*0.1*	< 0.1	0.11	0.1	0.11	0.14	0.12	0.00	3	0.01	0.13
Sodium (SPLP)	P	mg/L	*160*	17	28	30	31	38	29	57.70	1	3.40	36
Strontium (SPLP)	GC	mg/L	*4.2*	0.66	0.72	< 0.5	< 0.5	< 0.5	0.69	0.00	1	0.03	0.75
Sulfate	S	mg/L	*250*	1500	1600	68	81	130	676	638639.20	8	357.39	1396
Thallium (SPLP)	P	mg/L	*0.002*	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	NA	NA			
Vanadium (SPLP)	GC	mg/L	*0.049*	< 0.05	0.086	0.078	0.086	0.11	0.09	0.00	1	0.01	0.10
Zinc (SPLP)	S	mg/L	*5*	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA			

Notes: All parameters measured in milligrams per liter (mg/L).
P - Primary Drinking Water Standard
S - Secondary Drinking Water Standard
GC - Guidance Concentration (not regulatory standard)
Bold = Upper 95% Confidence Level exceeds water quality standard.

Sources: ENCO, 2002; and ECT, 2002.

3/4/03

Steve,

Thanks for the submittal...I'll await the hard copy before altering the permit text for incorporation. Take care.

Bruce

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Friday, February 28, 2003 2:37 PM
To: Mitchell, Bruce
Cc: Pat Venable; Michael Vardeman
Subject: Florida Crushed Stone: O&M Plan

Dear Bruce:

Please find attached the O&M Plan for the Florida Crushed Stone Cement Plant in Brooksville.

I will be sending a hard copy along as well.

Thank you again for your kind patience.

Regards,

Steve Cullen

Mitchell, Bruce

To: Peterson, Eric; Waters, Jason

Cc: Sheplak, Scott

Subject: FW: FCS O&M Plan

2/5/03

Dear Eric and Jason,

An update on FSCS and the O & M Plan. Take care.

Bruce
SC/293-9198

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Wednesday, February 05, 2003 12:58 PM
To: Mitchell, Bruce
Cc: Pat Venable; Michael Vardeman
Subject: FCS O&M Plan

Dear Bruce:

I have received comments from FCS on the draft O&M Plan I prepared. I will review their comments, incorporate them into the draft plan, and ship it back to FCS for approval. Then, on to you!

I plan to do this work this week and next week. I will strive to have something in your hands by February 21, 2003.

Regards,

Steve Cullen
Koogler & Associates

Mitchell, Bruce

To: Peterson, Eric; Waters, Jason

Cc: Sheplak, Scott

Subject: FW: FCS O&M Plan

2/5/03

Correction to the first message...make that FCSC, not FSCS. Take care.

Bruce

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Wednesday, February 05, 2003 12:58 PM
To: Mitchell, Bruce
Cc: Pat Venable; Michael Vardeman
Subject: FCS O&M Plan

Dear Bruce:

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I plan to do this work this week and next week. I will strive to have something in your hands by February 21, 2003.

Regards,

Steve Cullen
Koogler & Associates

Mitchell, Bruce

To: Steve Cullen

Cc: Sheplak, Scott

Subject: RE: FCS O&M Plan

2/5/03

Dear Steve,

Thanks for the update on FCSC. Take care.

Bruce
850/413-9198

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Wednesday, February 05, 2003 12:58 PM
To: Mitchell, Bruce
Cc: Pat Venable; Michael Vardeman
Subject: FCS O&M Plan

Dear Bruce:

I have received comments from FCS on the draft O&M Plan I prepared. I will review their comments, incorporate them into the draft plan, and ship it back to FCS for approval. Then, on to you!

I plan to do this work this week and next week. I will strive to have something in your hands by February 21, 2003.

Regards,

Steve Cullen
Koogler & Associates

Mitchell, Bruce

To: Steve Cullen
Cc: Sheplak, Scott
Subject: RE: FSCS: O & M Plan.

1/15/03

Dear Steve,

As always, many thanks for the update. Take care.

Bruce

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Wednesday, January 15, 2003 9:14 AM
To: Mitchell, Bruce
Subject: Re: FSCS: O & M Plan.

Dear Bruce:

No new news - I'm pushing as hard as I can. I'll keep pushing, and let you know when I get something from them.

Steve
----- Original Message -----
From: Mitchell, Bruce <Bruce.Mitchell@dep.state.fl.us>
To: <scullen@kooglerassociates.com>
Cc: Sheplak, Scott <Scott.Sheplak@dep.state.fl.us>
Sent: Monday, January 13, 2003 2:56 PM
Subject: FSCS: O & M Plan.

1/13/03

Dear Steve,

Hope you had a great holiday season! It was fun while it lasted, but I didn't get a lot of rest and relaxation!! Now, it's back to the grind. Is there any new news regarding the O & M Plan for FCSC? Please advise and take
care.

Bruce

Mitchell, Bruce

To: Peterson, Eric; Waters, Jason; Quillian, Ann
Cc: Sheplak, Scott
Subject: FW: FSCS: O & M Plan.

1/15/03

Good morning,

Just an update on FCSC and the O & M Plan. Take care.

Bruce

-----Original Message-----
From: Mitchell, Bruce
Sent: Wednesday, January 15, 2003 9:14 AM
To: 'Steve Cullen'
Cc: Sheplak, Scott
Subject: RE: FSCS: O & M Plan.

1/15/03

Dear Steve,

As always, many thanks for the update. Take care.

Bruce

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Wednesday, January 15, 2003 9:14 AM
To: Mitchell, Bruce
Subject: Re: FSCS: O & M Plan.

Dear Bruce:

No new news - I'm pushing as hard as I can. I'll keep pushing, and let you know when I get something from them.

Steve
----- Original Message -----
From: Mitchell, Bruce <Bruce.Mitchell@dep.state.fl.us>
To: <scullen@kooglerassociates.com>
Cc: Sheplak, Scott <Scott.Sheplak@dep.state.fl.us>
Sent: Monday, January 13, 2003 2:56 PM
Subject: FSCS: O & M Plan.

1/13/03

Dear Steve,

Hope you had a great holiday season! It was fun while it lasted, but I didn't get a lot of rest and relaxation!! Now, it's back to the grind. Is there any new news regarding the O & M Plan for FCSC? Please advise and take
care.

Bruce

Mitchell, Bruce

To: scullen@kooglerassociates.com
Cc: Sheplak, Scott
Subject: FSCS: O & M Plan.

1/13/03

Dear Steve,

Hope you had a great holiday season! It was fun while it lasted, but I didn't get a lot of rest and relaxation!! Now, it's back to the grind. Is there any new news regarding the O & M Plan for FCSC? Please advise and take care.

Bruce

Mitchell, Bruce

To: jkoogler@kooglerassociates.com
Cc: Sheplak, Scott
Subject: Drafts of the AC and Intent to Issue: FCSC: 0530021-006-AC.

2/11/2002

Dear Dr. Koogler,

I have attached the two (2) above referenced documents for your use. Please advise me if you need clarification or more documentation. Take care.

Bruce Mitchell
850/413-9198

0530021i.006AC.007AV.doc

0530021.006AC.letterAC.Draft.d...

Florida Department of Environmental Protection

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

Jeb Bush
Governor

David Struhs
Secretary

FAX TRANSMITTAL SHEET

DATE: 4-18-02

TO: Pradeep Raval

PHONE: 352/377-5822 FAX: 352-377-7158

FROM: Bruce Mitchell PHONE: 850/413-9198

Division of Air Resources Management FAX: **850.922.6979**

RE: PA 82-17

CC:

Total number of pages including cover sheet: 2

Message

See #14

If there are any problems with this fax transmittal, please call the above phone number.

"Protect, Conserve, and Manage Florida's Environmental and Natural Resources"

Printed on recycled paper

Mitchell, Bruce

From: Steve Cullen [scullen@kooglerassociates.com]
Sent: Thursday, January 24, 2002 4:18 PM
To: Mitchell, Bruce
Cc: Pat Venable
Subject: Re: Florida Crushed Stone: Application for Construction Permit/Title V Revision

Bruce:

Sounds good. Thanks for the update. Call if you need any information to complete your work.

Steve Cullen

----- Original Message -----
From: Mitchell, Bruce
To: Steve Cullen
Cc: Sheplak, Scott
Sent: Thursday, January 24, 2002 1:15 PM
Subject: RE: Florida Crushed Stone: Application for Construction Permit/Title V Revision

1/23/2002

Dear Steve,

I am in the process of drafting the TE&PD and Draft AC/DRAFT T-5 Revision permits for the project, while looking for any clarification needs. Take care.

Bruce Mitchell
850/413-9198

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Monday, January 21, 2002 4:36 PM
To: Mitchell, Bruce
Cc: Pat Venable
Subject: Florida Crushed Stone: Application for Construction Permit/Title V Revision

Dear Bruce:

I am writing to check on the status of the requested permitting for process rates at Florida Crushed Stone in Brooksville.

Please email or telephone with an update.

Steve Cullen

Mitchell, Bruce

To: Steve Cullen

Cc: Sheplak, Scott

Subject: RE: Florida Crushed Stone: Application for Construction Permit/Title V Revision

1/23/2002

Dear Steve,

I am in the process of drafting the TE&PD and Draft AC/DRAFT T-5 Revision permits for the project, while looking for any clarification needs. Take care.

Bruce Mitchell
850/413-9198

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Monday, January 21, 2002 4:36 PM
To: Mitchell, Bruce
Cc: Pat Venable
Subject: Florida Crushed Stone: Application for Construction Permit/Title V Revision

Dear Bruce:

I am writing to check on the status of the requested permitting for process rates at Florida Crushed Stone in Brooksville.

Please email or telephone with an update.

Steve Cullen

Mitchell, Bruce

To: Steve Cullen

Cc: Vielhauer, Trina; Sheplak, Scott

Subject: RE: FCS O&M

12/11/02

Dear Steve,

Have you heard anything to date that you can share with me as to the status of the O&M Plan? Take care.

Bruce

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Friday, November 22, 2002 2:40 PM
To: Mitchell, Bruce
Subject: FCS O&M

Dear Bruce:

I have asked the folks at Florida Crushed Stone to let me know if the drfat O&M plan is acceptable. Their maintenance guy has not yet finished his review...they are pushing him to do so.

I will let you know when I know something new.

Regards,

Steve Cullen

Mitchell, Bruce

To: Steve Cullen

Cc: Sheplak, Scott; Peterson, Eric; Waters, Jason

Subject: RE: FCS O&M

11/22/02

Steve,

Thanks for the status update, for my work is delaying permitting actions in the Southwest District office regarding Florida Crushed Stone and Chemical Lime. Take care and have a safe and Happy Turkey Day.

Bruce

> -----Original Message-----
> **From:** Steve Cullen [mailto:scullen@kooglerassociates.com]
> **Sent:** Friday, November 22, 2002 2:40 PM
> **To:** Mitchell, Bruce
> **Subject:** FCS O&M
>
> Dear Bruce:
>
> I have asked the folks at Florida Crushed Stone to let me know if the drfat O&M plan is acceptable. Their maintenance guy has not yet finished his review...they are pushing him to do so.
>
> I will let you know when I know something new.
>
> Regards,
>
> Steve Cullen

Mitchell, Bruce

To: Waters, Jason

Subject: RE: FCS O&M

Jason,

You too, and thanks. I'll continue to keep you informed, when I hear from FCSC's consultant...more to come, I'm sure. Take care and Happy Turkey Day!

Bruce

> -----Original Message-----
> **From:** Waters, Jason
> **Sent:** Friday, November 22, 2002 3:17 PM
> **To:** Mitchell, Bruce
> **Subject:** RE: FCS O&M
>
> Thanks Bruce
>
> have a good weekend.
>
> Jason
>
> > -----Original Message-----
> > **From:** Mitchell, Bruce
> > **Sent:** Friday, November 22, 2002 3:16 PM
> > **To:** 'Steve Cullen'
> > **Cc:** Sheplak, Scott; Peterson, Eric; Waters, Jason
> > **Subject:** RE: FCS O&M
> >
> > 11/22/02
> >
> > Steve,
> >
> > Thanks for the status update, for my work is delaying permitting actions in the Southwest District office regarding Florida Crushed Stone and Chemical Lime. Take care and have a safe and Happy Turkey Day.
> >
> > Bruce
> >
> > > -----Original Message-----
> > > **From:** Steve Cullen [mailto:scullen@kooglerassociates.com]
> > > **Sent:** Friday, November 22, 2002 2:40 PM
> > > **To:** Mitchell, Bruce
> > > **Subject:** FCS O&M
> > >
> > > Dear Bruce:
> > >
> > > I have asked the folks at Florida Crushed Stone to let me know if the drfat O&M plan is acceptable. Their maintenance guy has not yet finished his review...they are pushing him to do so.
> > >
> > > I will let you know when I know something new.
> > >
> > > Regards,

Steve Cullen

Mitchell, Bruce

To: Quillian, Ann
Cc: Fancy, Clair; Sheplak, Scott
Subject: RE: Florida Crushed Stone, 0530021

11/20/2001

Dear Ann,

Thanks for responding. Take care and have a safe and enjoyable Thanksgiving holiday.

Bruce

-----Original Message-----
From: Quillian, Ann
Sent: Tuesday, November 20, 2001 12:58 PM
To: Mitchell, Bruce
Cc: Kissel, Gerald
Subject: FW: Florida Crushed Stone, 0530021

Bruce:

I have already responded to Steve's voice mail message. After discussion with Jerry, we suggested that they send the application to Tallahassee first, since Tallahassee did the Title V and PSD permitting.

Thanks.
Ann Quillian, P.E.

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Tuesday, November 20, 2001 10:41 AM
To: Mitchell, Bruce; Quillian, Ann
Cc: Pat Venable
Subject: Florida Crushed Stone, 0530021

Dear Bruce & Ann:

Which of you wants a permit application to resolve internal inconsistencies between emissions units 004, 006, 007, and 020?

Seriously, does minor permitting go north to Tallhassee or south to Tampa, for this facility?

Thanks,

Steve Cullen

Mitchell, Bruce

To: scullen@kooglerassociates.com
Cc: Fancy, Clair; Sheplak, Scott; Thomas, Bill; Kissel, Gerald; Oven, Hamilton
Subject: RE: Florida Crushed Stone Company: Title V Permit No. 0530021-002-AV

-----Original Message-----
From: Sheplak, Scott
Sent: Friday, April 20, 2001 1:56 PM
To: Mitchell, Bruce
Subject: FW: Florida Crushed Stone Company: Title V Permit No. 0530021-002-AV

4/26/2001

Dear Steve,

I was asked to respond to your inquiry, and will do so by each item cited. For #1, FCSC will be required to submit a request for a Title V Operating Permit Revision to remove the Brooksville Chemical Lime Plant from their Title V Operating Permit; in addition, the plant will need to be removed from the PSD and Power Plant Siting permits. For #2, a "transfer of permit" is not available in this instance, because you cannot transfer a part of a Title V permit. For #3, the new owner of the Brooksville Chemical Lime Plant should submit an application for an Air Operation (AO) Permit, along with the appropriate processing fee, to the Department's Southwest District office while the Title V Operating Permit Revision, PSD amendment, and PPS permit changes are taking place so that the AO permit can be issued at COB on "day 55" of the PROPOSED Title V Operating Permit's tracking clock (assuming no EPA objections were issued)...the Title V permit goes final by law if EPA has not issued any objections by and including "day 55". The reason that the AO permit needs to be issued on that day (day 55) is to prevent the plant from operating without a valid AO permit.

If there are any questions, please give me a call at 850/921-9506. Take care.

Bruce Mitchell

please handle

-----Original Message-----
From: Steve Cullen [mailto:scullen@kooglerassociates.com]
Sent: Friday, April 20, 2001 1:53 PM
To: Sheplak, Scott
Cc: Michael Vardeman; Pat Venable
Subject: Florida Crushed Stone Company: Title V Permit No. 0530021-002-AV

Dear Scott:

Florida Crushed Stone has sold the Brooksville Chemical Lime Plant (Emissions Units 032, 033, 034, and 043) to Chemical Lime, Inc.

The new owner of the emissions units has no overlap in corporate structure or operational management with Florida Crushed Stone or Central Power and Lime, and there is not significant dependence on material flow. There are no shared control devices, but the lime plant is located within the land area owned by Florida Crushed Stone. I presume Chemical Lime will lease the land where the plant is located.

The referenced emissions units are sources of only particulate, and combined PTE is approximately 83 TPY.

Please advise on procedures and forms (with internet addresses) in order to:

1. Separate the emissions units from Title V Permit No. 0530021-002-AV,

2. Properly transfer ownership of the emissions units, and

3. Obtain a non-Title V permit for the new corporate entity operating the existing emissions units.

Thank you for your attention to this request. If I can provide you with additional information for your determination, please ask.

Regards,

Steve Cullen
Koogler & Associates

Mitchell, Bruce

To: scullen@kooglerassociates.com
Cc: Fancy, Clair; Sheplak, Scott; Thomas, Bill; Kissel, Gerald
Subject: RE: Florida Crushed Stone Company: Title V Permit No. 0530021-002-AV

-----Original Message-----
From: Sheplak, Scott
Sent: Friday, April 20, 2001 1:56 PM
To: Mitchell, Bruce
Subject: FW: Florida Crushed Stone Company: Title V Permit No. 0530021-002-AV

4-26-01 @ 4:40 Spoke w Steve. To finalize the BSD/PPS status before sending.

4/26/2001

Dear Steve,

I was asked to respond to your inquiry, and will do so by each item cited. For #1, FCSC will be required to submit a request for a Title V Operating Permit Revision to remove the Brooksville Chemical Lime Plant from their Title V Operating Permit; in addition, the plant will need to be removed from the PSD and Power Plant Siting permits. For #2, a "transfer of permit" is not available in this instance, because you cannot transfer a part of a Title V permit. For #3, the new owner of the Brooksville Chemical Lime Plant should submit an application for an Air Operation (AO) Permit, along with the appropriate processing fee, to the Department's Southwest District office while the "Revision" is taking place so that the AO permit can be issued on "day 56" of the PROPOSED Title V Operating Permit's tracking clock...the Title V permit goes final by law if EPA has not issued any objections by and including "day 55". The reason that the AO permit needs to be issued on that day (day 56) is to prevent the plant from operating without a valid AO permit.

If there are any questions, please give me a call at 850/921-9506. Take care.

Bruce Mitchell

please handle

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The referenced emissions units are sources of only particulate, and combined PTE is approximately 83 TPY.

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3. Obtain a non-Title V permit for the new corporate entity operating the existing emissions units.

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Regards,

Steve Cullen
Koogler & Associates

Mitchell, Bruce

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The referenced emissions units are sources of only particulate, and combined PTE is approximately 83 TPY.

Please advise on procedures and forms (with internet addresses) in order to:

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2. Properly transfer ownership of the emissions units, and

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Regards,

Steve Cullen
Koogler & Associates

Mitchell, Bruce

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please handle

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The referenced emissions units are sources of only particulate, and combined PTE is approximately 83 TPY.

Please advise on procedures and forms (with internet addresses) in order to:

1. Separate the emissions units from Title V Permit No. 0530021-002-AV,

2. Properly transfer ownership of the emissions units, and

3. Obtain a non-Title V permit for the new corporate entity operating the existing emissions units.

Thank you for your attention to this request. If I can provide you with additional information for your determination, please ask.

Regards,

Steve Cullen
Koogler & Associates

8-21-01
09:20 left a v-m-m for Steve to call me. BM

8-21-01
09:40-1:45
Spoke w Steve - he said that my previous directions to separate the facilities had been conveyed to the owners. He will do a follow-up. BM

AC 27-09426, 27, 29, 30, 32, 33

State of Florida Department of Environmental Regulation
Florida Crushed Stone Company
PA 82-17 (Revised 2/20/85)
CONDITIONS OF CERTIFICATION

Appendix I

State of Florida Department of Environmental Regulation
Florida Crushed Stone Company
Case No. PA 82-17
CONDITIONS OF CERTIFICATION

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, 17-5 and 17-7, Florida Administrative Code (FAC). In addition to the foregoing, the permittee shall comply with the following specific conditions of certification:

A. Emission Limitations

1. Stack emissions from the power plant boiler only or power boiler and lime plant shall not exceed the following site specific limitations when burning coal:

a. SO_2 - 1.2 lb. per million Btu heat input, maximum two-hour average, and 770 lb. per hour, maximum three-hour average.

b. NO_x - 0.7 lb. per million Btu heat input, averaging time per Rule 17-2.700, FAC, not to exceed 846 lb/hr.

c. Particulates - 0.03 lb. per million BTU heat input, averaging time per Rule 17-2.700, FAC.

d. Visible emissions - 20% opacity, 6-minute average, except for one 6-minute period per hour of not more than 27% opacity.

2. Stack emissions from the combined cement plant, lime plant and power plant boiler shall not exceed the following site specific limitations:

a. SO_2 - 1.2 lb. per million Btu heat input, maximum two-hour average, and 781 lb. per hour, maximum three-hour average.

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 17-2.700, FAC, not to exceed 1205 lb/hr.

c. Particulates - 0.03 lb. per million Btu heat input plus 0.3 lb. from the cement kiln and 0.1 lb. from the clinker cooler per ton of kiln feed (dry basis), averaging time per Rule 17-2.700, FAC.

d. Visible emissions - 10 percent opacity, 6-minute average, except for one 6-minute period per hour of not more than 27% opacity.

3. When the power plant boiler is operating alone and the cement plant 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. Particulate and SO_2 emissions from the boiler, coal and fly ash handling facilities.

a. All conveyors and conveyor transfer points will be enclosed to preclude particulate emissions (except those directly associated with the coal stacker/reclaimer or emergency stockout stacker/reclaimer or emergency stockout).

b. Inactive coal storage piles will be shaped, compacted and oriented to minimize wind erosion.

c. Water sprays or chemical wetting agents and stabilizers will be applied to storage piles, handling equipment, etc. during dry periods and as necessary to all facilities to maintain an opacity of less than or equal to 5 percent, except when adding, moving or removing coal from the coal pile, during which the opacity shall be no more than 20%.

d. The fly ash handling system (including transfer and silo storage) will be totally enclosed and vented (including pneumatic system exhaust) through fabric filters; and

e. The permittee must submit to the Department within thirty (30) days after it becomes available a copy of the technical data pertaining to the selected particulate and SO_2 emissions control

for the boiler, coal, and coal ash handling facilities. These data should include, but not be limited to, projected or guaranteed efficiency and emission rates, and major design parameters such as injection rates, injection points, and flow rate. The Department may, upon review of these data, disapprove the use of any such device if the Department determines the selected control device to be inadequate to meet the emission limits specified in Condition I.A. Such disapproval shall be issued within 30 days of receipt of the technical data.

5. Particulate emissions from bag filter exhausts from the coal and fly ash handling systems (excluding those facilities covered by Condition I.A.4.c. above) shall be limited to 0.02 gr/acf. Emissions from lime and limestone handling and storage facilities shall not exceed 0.015 gr/acf. A visible emission reading of 5% opacity or less may be used to establish compliance with this emission limit. A visible emission reading greater than 5% opacity will not create a presumption that the 0.02 gr/acf emission limit is being violated. However, a visible emission reading greater than 5% opacity will require the permittee to perform a stack test, as set forth in Condition I.C.

6. Compliance with opacity limits of the facilities listed in Condition I.A.5. will be determined by EPA reference method 9 (Appendix A, 40 CFR 60).

7. Construction shall reasonably conform to the plans and schedule given in the application.

8. The permittee shall report any delays in construction and completion of the project which would delay commercial operation by more than 90 days to the Department's Southwest District Office in Tampa.

9. Reasonable precautions to prevent fugitive particulate emissions during construction and operation, such as coating or paving of roads and construction sites, wetting roads, and regrassing or watering areas of disturbed soils and storage

areas will be taken by the permittee.

10. Any fuel oil to be fired in the unit shall be "new oil", which means an oil which has been refined from crude oil and has not been used. The quality of the fuel oil used by the boiler shall not cause the allowable emission limits listed in the table below to be exceeded. Such emissions may be calculated in accordance with AP-42, third edition.

Allowable Emission Limits

Pollutant	lb/MMBtu
PM	0.015
SO_2	0.31
NO_x	0.16
Visible emissions	Maximum 20% Opacity

11. Samples of all fuel oil and coal fired in the boilers shall be taken and an ultimate analysis obtained including the heating value on a moisture free basis. Accordingly, samples shall be taken of each fuel shipment received. Coal sulfur content shall be determined and recorded on a daily basis to demonstrate compliance with SO_2 emission limits in Conditions I.A.1.a. and I.A.2.a. Records of all the analyses shall be kept for public inspection for a minimum of two years after the data are recorded.

12. The height of the boiler exhaust stack for the plant shall not be less than 320 ft. above grade.

13. In accordance with Rules 17-2.250(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 17-4.13, Florida Administrative Code. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

14. Particulate emissions from the following sources of Chemical Lime Company shall not exceed the following limits:

SOURCE	PERMIT NO.	EMISSIONS (lb/hr)
Kiln	A027-55581	16.0
Hydrator	A027-25269	12.5
Dryer	A027-50400	14.5
Bagging	A027-17352	5.0

15. Particulate emissions from the following sources shall not exceed the following limits:

SOURCE	PERMIT NO.	EMISSIONS (TPY)	EMISSIONS (lb/hr)
Limestone Screening Baghouse	AC27-091426	3.0	0.77
Limestone Storage Bin	AC27-091427	3.0	0.77
Limestone Storage Bin	AC27-091429	4.6	1.16
Limestone Storage Silo - B	AC27-091430	2.4	0.64
Limestone Silo Discharge & Baghouse	AC27-091432	2.4	0.64
Limestone Storage Silo - A	AC27-091433	2.4	0.64

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 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 Section

17-2.710, 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.

2. The permittee shall operate two ambient monitoring devices for suspended particulates in accordance with DER quality assurance procedures and EPA reference methods in 40 CFR 53. The monitoring devices shall be operated at a location approved by the Department. The frequency of operation of the particulate monitors shall be every six days commencing as specified by the Department. In addition, the permittee shall operate a meteorological station, which includes wind measuring equipment, at a location approved by the Department. These data will be reported with the ambient data.

3. The permittee shall maintain a daily log of the amounts and types of fuel used and copies of the ultimate fuel analyses containing the heating value on a moisture free basis. These logs shall be kept for at least two years.

4. The permittee shall provide stack sampling facilities as required by Rule 17-2.700(4), FAC.

5. The ambient monitoring program shall begin at least one year prior to initial start up of the boiler and shall continue for at least one year of commercial operation. The Department and the permittee shall review the results of the monitoring program annually and determine the necessity for the continuation of or modifications to the monitoring program.

6. Prior to operation of the source, the permittee shall submit to the Department a plan or procedure that will allow the permittee to monitor emission control equipment efficiency and enable the permittee to return malfunctioning equipment to proper operation as expeditiously as possible.

C. Stack Testing

1. Within 60 calendar days after achieving the maximum capacity at which each unit will be operated (but no later than 180 operating days after initial startup) and annually thereafter, the permittee shall conduct performance tests for particulates SO_2, NO_x, and visible emissions during normal

operations near (±3%) 1,234 million Btu per hour heat input when the power plant and cement plant are operating in combination, and 1,000 million Btu per hour when the power plant is operating alone, and visible emission tests on all coal handling and flyash baghouses. The Department shall be furnished a written report of the results of such performance tests within 45 days of completion of the tests. The performance tests will be conducted in accordance with the provisions of 40 CFR 60.46.

2. Performance tests shall be conducted and data reduced in accordance with methods and procedures outlined in Rule 17-2.700, FAC.

3. Performance tests shall be conducted under such conditions as the Department shall specify based on representative performance of the facility. The permittee shall make available to the Department such records as may be necessary to determine the conditions of the performance tests.

4. The permittee shall provide 30 days notice of the performance tests or 10 working days for stack tests in order to afford the Department the opportunity to have an observer present.

5. Stack tests for particulates, NO_x, and SO_2 and visible emissions tests shall be performed annually from the date of the first performance test(s) in accordance with Conditions C.2, 3, and 4 above.

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 17-2.710, FAC.

2. Utilizing the SAROAD or other format approved in writing by the Department, ambient air monitoring data shall be reported the Bureau of Air Quality Management of the Department quarterly. Commencing on the date of certification, such reports shall be due within 45 days following the quarterly reporting

period. Reports shall be in conformance with 40 CFR, Parts 53 and 58.

3. Beginning one month after certification, the permittee shall submit to the Department a monthly status report briefly outlining progress made on engineering design and purchase of major pieces of air pollution control equipment. All reports and information required to be submitted under this condition shall be submitted to the Administrator of Power Plant Siting, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida, 32301.

E. Coal Characteristics and Contracts

Before approval can be granted by the Department for use of control devices, characteristics of the coal to be fired must be known. Therefore, before these approvals are granted, the permittee must submit to the Department copies of coal contracts which should include the expected sulfur content, ash content, and heat content of the coal to be fired. These data will be used by the Department in its evaluation of the adequacy of the control devices. Also, the permittee must demonstrate the ability to aquire a low sulfur coal supply of sufficient length to enable the installation of sulfur removal equipment if the supplies of low sulfur coal should not become available or be discontinued. Therefore, the coal contracts must be for a period of at least five (5) years from the date of start-up of the boiler.

F. Coal Information

As an alternative to the submittal of contracts for purchase of coal under Condition E above, the permittee may submit the following information:

1. The name of the coal supplier;

2. The sulfur content, ash content, and heat content of the coal as specified in the purchase contracts;

3. The location of the coal deposits covered by the contract (including mine name and seam);

4. The date by which the first delivery of coal will be made;

5. The duration of the contract; and

6. An opinion of counsel for the permittee that the contracts are legally binding.

II. Water

A. Cooling System

The amount of groundwater used as makeup to the cooling system shall not exceed the following site specific standard of 30.3 MGD on a daily maximum or 14.83 MGD on an annual average.

B. Coal Pile Runoff and Leachate

Coal pile runoff and leachate from less than the 10-year 24-hour rainfall event shall be collected in lined ditches and treated in a lined treatment facility prior to discharge to the tailings pond.

C. Water Monitoring Programs

The permittee shall monitor and report to the Department or Water Management District the listed parameters on the basis specified herein. The methods and procedures utilized shall receive written approval by the Department. The monitoring program may be reviewed annually by the Department, and a determination may be made as to the necessity and extent of continuation and may be modified in accordance with condition No. XXV.

1. Groundwater Monitoring

a. The groundwater levels shall be monitored continuously in wells as approved by Southwest Florida Water Management District. Chemical analyses shall be made on samples from all monitored wells identified in Conditions II.C.3. below. The location, frequency and selected chemical analyses shall be as given in Condition II.C.3.

b. The groundwater monitoring program shall be implemented at least one year prior to operation of the power plant. The chemical analyses shall be in accord with the latest edition of Standard Methods for the Analysis of Water and Wastewater. The data shall be submitted within 30 days of collection/analysis to the Southwest Florida Water Management District and to the DER Southwest District Office.

c. Conductivity and heavy metals shall be monitored in wells around the coal pile, coal pile runoff sump, landfill and cooling pond.

2. Leachate

a. Compliance

Leachate from the coal storage pile, coal pile runoff collection sump, ash disposal, and ditches shall not contaminate waters of the State (including both surface and groundwaters) in excess of the limitations of Chapter 17-3,FAC.

b. Monitoring

A monitoring well system shall be used, commencing one year prior to operation to determine whether or not leachate from the coal pile runoff collection sump, canals, ditches, ash disposal and coal pile is contaminating the groundwater in violation of Chapter 17-3. The permittee shall keep a monthly record of the monitoring results and shall notify the Southwest District Office of the Department and the Southwest Florida Water Management District when said measurements exceed water quality standards. A quarterly summary of the results of monitoring shall be provided to the Department and SWFWMD using Form 17-1.216(2). The proposed monitoring well system shall be submitted to the

Department for approval prior to installation.

c. Corrective Action

When the leachate monitoring system indicates to the Department violation of the groundwater quality standards of Chapter 17-3, FAC, the appropriate ditches, treatment system sump, landfill or coal pile shall be sealed, relocated or closed or the operation of the affected facility shall be altered in such a manner as to assure the Department that no significant contamination of the groundwater will occur.

d. Zone of Discharge

Leachate from the coal storage pile, wastewater ponds, landfill or coal pile runoff collection sump shall not contaminate waters of the State (including both surface and groundwaters) in excess of the limitations of Chapter 17-3, FAC, beyond the boundary of separate and individual zones of discharge extending 50 feet below the ground surface and 100 feet from the edge of each individual pile or pond.

3. Shallow Aquifer Monitoring Wells

After consultation with the DER and SWFWMD, FCS shall install a monitoring well network to adequately monitor groundwater quality horizontally and vertically in the surficial and Floridan aquifers. Groundwater levels and flow directions will be determined twice a year (May and September) at the site through the preparation of seasonal piezometric contour maps. From these maps, the water quality monitoring well network will be located. Monitoring well locations and designs shall be submitted to the Department and SWFWMD for review and approval. Approval or disapproval of the locations and design shall be granted within 60 days. Monitoring wells of adequate design and number shall be installed upgradient and downgradient from each liquid waste sump and each coal pile storage area. Two additional monitoring wells will be placed immediately

downgradient of the cooling pond. The water samples collected from each of the monitor wells shall be collected immediately after removal by pumping of a quantity of water equal to two casing volumes. The water quality analyses shall be performed monthly during the year prior to commercial operation and quarterly thereafter. Results shall be submitted to the Department and the SWFWMD by the tenth (10th) day of the month following the month during which such analyses were performed. The analysis shall follow the methods set forth in the current edition of Standard Methods for the Examination of Water and Wastewater by APHA-AWWA-WPCF or Methods for Chemical Analysis of Water and Wastes by the U.S. Environmental Protection Agency, with the methods used being specified. Results shall be submitted on the tenth day of the following month. Background water quality data shall be provided with data collected and submitted a minimum of twelve months prior to start-up of the power plant. The District may require further water quality testing if the pH levels decline significantly from ambient (baseline) as established during the pre-operational study period. Testing for the following constituents is required:

TDS	Zinc
Conductance	Copper
pH	Nickel
Sulfate	Selenium
Chloride	Chromium
Iron	Arsenic
Aluminum	Beryllium
Cadmium	Mercury
Silver	Lead
Manganese	Gross Alpha, Ra^{226}
	Ra^{226}
Barium	(when Gross Alpha
Sodium	activity exceeds
Fluorine	15 pCi/l)

4. Flow Monitoring

An automated flow measurement device shall be installed on the Emergency Relief Spillway for the cooling pond, with data collected and measured in gallons per day and submitted monthly. Automated flow measurement devices shall be installed at all points of inflow to the impoundments, with data collected and measurement in gallons per day and submitted monthly.

5. Pond Level

A staff gauge shall be installed at or in the cooling pond, surveyed and referenced to NGVD, with water levels collected weeksly and submitted monthly.

6. Pond Quality

As a measure to protect groundwater quality: water quality sampling for pH and suspended solids to be collected on a monthly basis from a single site in the cooling pond near the emergency spillway within three (3) feet from the bottom of the pond. Background water quality data shall be provided, with data collected and submitted a minimum of 12 months prior to start-up of the power plant. The analysis shall follow the methods set forth in the current edition of Standard Methods for the Examination of Water and Wastewater by APHA-AWWA-WPCF or Methods for Chemical Analysis of Water and Wastes by the U.S. Environmental Protection Agency, with the methods used being specified. Results shall be submitted on the tenth day of the following month. The District may require further water quality testing if the pH within the cooling pond falls below pH 6.3 for two consecutive months. Any additional water quality analyses required by the Department of Environmental Regulation shall be submitted to the District.

7. Coal Pile Runoff Sump Liner

The proposed liner for the coal pile sump will be verified to be resistant to the periodic inflows of low pH water that contact it. The chemical and physical characteristics of the proposed liner shall be submitted to the department for approval at least 60 days prior to installation of the liner.

8. Impoundment Dam Construction

Any modifications to existing impoundments or construction of new impoundments must, as a minimum, be designed, constructed, and operated to Chapter 17-9, Florida Administrative Code. Before any construction is initiated on impoundments, SWFWMD must review and approve all design plans and parameters relating to embankment construction and water control structures.

9. Dam Inspection

Employees of SWFWMD shall have the right to inspect dam embankments and structures at any reasonable time.

10. Cooling Pond System

The SWFWMD will be supplied with an operation and maintenance schedule, which will outline how the water enters, is routed within, and leaves the cooling pond system, under normal and emergency situations. Also an inspection and monitoring program shall be included.

11. Dam Inspection Report

An annual inspection report, pertaining to the condition of the impoundments will be submitted by an engineer registered in the State of Florida, who is experienced in the field of construction and maintenance of dams.

D. Emergency Shortages

In the event an emergency water shortage should be declared pursuant to Section 373.175 or 373.246, F.S., by Southwest Florida Water Management District for an area including the location of the FCS withdrawal points, the Department pursuant to Section 403.516, F.S., may alter, modify, or declare to be inactive, all or parts of Condition II.A. An authorized Water Management District representative, at any reasonable time, may enter the property to inspect the facilities.

E. Minimum Water Level Restrictions

The Department and SWFWMD may, at a future date pursuant to Section 403.516, F.S., establish a minimum water level in the

aquifer or aquifers hydrologically associated with these withdrawals, which may require FCS to reduce or cease withdrawal from these groundwater sources at times when water levels fall below these minimums.

F. Water Withdrawal Limits

Florida Crushed Stone is authorized to make a combined average annual withdrawal of 14,902,000 gallons of water per day with a maximum combined withdrawal rate not to exceed 33,500,000 during a single day. Withdrawals are authorized as shown in the table below.

WELL I.D.	WITHDRAWAL POINT LATITUDE	LONGITUDE	GALLONS PER DAY AVERAGE	GALLONS PER DAY MAXIMUM
1	28 35 29	82 26 01	630,000	1,080,000
4	28 35 25	82 26 15	1,260,000	2,160,000
5	28 35 25	82 26 15	2,310,000	4,320,000
6	28 35 25	82 26 15	2,730,000	5,040,000
7	28 35 25	82 26 15	840,000	1,728,000
8	28 35 51	82 26 29	4,620,000	8,352,000
9	28 35 51	82 26 29	3,990,000	7,200,000
10	28 35 51	82 26 29	840,000	1,728,000
11	28 35 14	82 26 37	1,890,000	2,952,000
	Combined Totals		14,902,000	33,500,000

G. Flow Measurement

Florida Crushed Stone shall maintain and operate flow measuring devices as approved in writing by the Director of the SWFWMD Resource Regulation Department on all groundwater withdrawal points listed in condition II.T. Such devices shall have and maintain an accuracy within five percent of the actual flow under installed conditions. Total flow from each designated withdrawal point shall be recorded on a monthly basis and reported, on forms furnished, to the SWFWMD by the tenth day of the following month.

Reports shall be addressed to:

Processing and Records Section
Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 33512

H. Runoff

There shall be no runoff from Florida Crushed Stone's property as a result of the withdrawals permitted.

I. Water Sampling

The District reserves the right, at all reasonable times, to collect water samples for analysis. The District may, upon prior notice, collect water samples from any or all withdrawal points listed, or may, at the option of the District, provide mailable containers to Florida Crushed Stone, and require Florida Crushed Stone to forward samples from any or all withdraw points within a reasonable period of time prescribed.

J. Water Conservation

Water conservation shall be practiced by Florida Crushed Stone to increase the efficiency of transport, application, and use, to decrease waste and to minimize runoff from the site. At such time as the SWFWMD adopts specific conservation criteria, Florida Crushed Stone will be subject to such criteria upon notice and after a reasonable period for compliance.

K. Groundwater Use

The use of groundwater herein authorized for power plant use is a modification of use of currently authorized quantities in conjunction with existing mining operations at the Florida Crushed Stone Brooksville Mine permitted under Consumptive Use Permit No. 200215, and is not to be construed as the grant of new or increased use of groundwater. Florida Crushed Stone shall modify Consumptive Use Permit No. 200215

prior to power plant start-up to reduce the total withdrawal of groundwater in connection with all other activities on its properties at this mine by the amount herein authorized for power plant use. Jurisdiction to regulate groundwater and surface water withdrawals for use for all purposes except power plant use at Florida Crushed Stone Brooksville Mine is specifically reserved to the SWFWMD.

L. Monitoring Devices

All measuring or monitoring devices required by any condition herein shall be installed, and all required data collection, and reporting shall commence no later than power plant start-up, unless otherwise provided.

M. Water Use Plan

Florida Crushed Stone shall make maximum utilization of recirculated water from its cooling pond/impoundment up to the combined total of 216 mgd of cooling pond water and groundwater as shown in its Water Use Plan (Figure 3.3-1) as shown on page 7 of Exhibit 1 attached. Water withdrawals at the site shall be used in accordance with such Water Use Plan, including recirculation and reuse of cooling pond water.

III. Control Measures During Construction

A. Stormwater Runoff

During construction and plant operation, necessary measures shall be used to settle, filter, treat or absorb silt containing or pollutant laden stormwater runoff to limit the suspended solids to 50 mg/l or less at the POD during rainfall periods less than the 10-year, 24-hour rainfall, and to prevent an increase in turbidity to more than 50 Jackson Turbidity Units above background in waters of the State.

Control measures shall consist at the minimum of filters, sediment traps, barriers, berms or vegetative planting.

Exposed or disturbed soil shall be protected as soon as possible to minimize silt and sediment laden runoff. The pH shall be kept within the range of 6.0 to 8.5.

B. Sanitary Wastes

Disposal of sanitary wastes from construction toilet facilities shall be in accordance with applicable regulations of the Department and appropriate local health agency.

C. Environmental Control Programs

An environmental control program shall be established under the supervision of a qualified person to assure that all construction activities conform to good environmental practices and the applicable conditions of certification.

The permittee shall notify the Department if unexpected harmful effects or evidence of irreversible environmental damage are detected during construction, shall immediately cease work and shall provide an analysis of the problem and a plan to eliminate or significantly reduce the harmful effects or damage and to prevent recurrence.

IV. Solid Wastes

Solid wastes resulting from construction or operation shall be disposed of in accordance with the applicable regulations of Chapter 17-7, FAC. Chemical Wastes collected from the coal pile runoff sump and water treatment facility shall be disposed of in a landfill with an impervious liner. The plans and specifications for the chemical wastes landfill shall be submitted to the Southwest Florida District Office for review and approval 90 days prior to construction of that landfill.

Open burning in connection with land clearing shall be in accordance with Chapter 17-5, FAC. No additional permits shall be required, but the Division of Forestry shall be notified prior to burning. Open burning shall not occur if the Division of Forestry has issued a ban on burning due to fire hazard conditions.

Power plant ash shall be contained or stored in facilities designed to prevent infiltration and exfiltration of water. No landfilling of ash may occur without prior approval of the department.

V. Operation Safeguards

The overall design, layout, and operation of the facilities shall be such as to minimize hazards to humans and the environment. Security control measures shall be utilized to prevent exposure of the public to hazardous conditions.

VI. Screening

The permittee shall provide screening of the site through the use of aesthetically acceptable structures, vegetated earthen walls and/or existing or planted vegetation.

VII. Transformer and Electric Switching Gear

The foundations for transformers, capacitors, and switching gear necessary for connecting the FCS facility to the existing distribution system shall be constructed of an impervious material and shall be constructed in such a manner to allow complete collection and recovery of any spills or leakage of oily, toxic, or hazardous substances.

VIII. Toxic, Deleterious, or Hazardous Materials

The spill of any toxic, deleterious, or hazardous materials shall be reported in the manner specified by Condition XIII.

IX. Construction on Sovereignty Lands

No construction on sovereignty lands shall commence without obtaining lease or title from the Department of Natural Resources.

X. Coal Pile

An acid resistant, impermeable liner shall be placed underneath the coal pile and collection ditches. An impermeable liner shall not have a permeability greater than $1x10^{-7}$ cm/sec.

XI. Floodproofing

The power generation equipment and other facilities vital to the operation of the plant shall be constructed in such a manner that water elevations at the 100 year flood will not cause damage to the equipment or necessitate plant shutdown.

XII. Cooling Pond Perimeter Berms

Construction of cooling pond perimeter berms shall be in conformance with the provisions of Chapter 17-9, FAC, regarding earthen dams and shall be inspected regularly as required by Chapter 17-9, FAC, and annually by a licensed engineer.

XIII. Transmission Lines, Access Road and Rail Spur

A. General

1. Filling and construction in waters of the State shall be minimized to the extent practicable. No such activities shall take place without obtaining lease or title from the Department of Natural Resources and/or TIITF where required. Construction and access roads should avoid wetlands and be located in surrounding uplands.

2. Placement of fill in wetland areas shall be minimized by spanning such areas with the maximum span practicable. Borrow pits shall not be located in waters of the State.

3. The Department may determine that any fill required in wetlands for construction but not required for maintenance purposes shall be removed and the ground restored to its original contours after transmission line, roadway or rail spur placement. Placement and removal of any such temporary fill shall be coordinated with the DER District Office.

4. Where fill in wetlands is necessary for access, keyhole fills from upland areas should be oriented as nearly parallel to surface water flow lines as possible.

5. Sufficient size and number of culverts or other structures shall be placed through fill causeways to maintain substantially unimpaired sheet flow.

6. Turbidity control measures, including but not limited to hay bales, turbidity curtains, sodding, mulching, and seeding, shall be employed to prevent violation of water quality standards.

7. The Rights-of-Way shall be located so as to minimize impacts, such as the removal of vegetation, in or on stream beds, to the extent practicable. For transmission lines, within 25 feet of the banks of any streams, rivers or lakes, vegetation shall be left undisturbed, except for selective topping of trees or removal of trees which topping would kill. For transmission lines, if it is necessary to remove such trees within 25 feet of the banks of streams, rivers or lakes, the root mat shall be left undisturbed.

8. Any necessary water quality certifications which must be made to the Corps of Engineers shall be made at the time of a finding of compliance for specific work at specific locations.

9. Construction activities should proceed as much as practicable during the dry season.

B. Other Construction Activities

1. Maintenance roads under control of the permittee shall be planted with native species to prevent erosion and subsequent water quality degradation where drainage from such roads would impact water of the State significantly.

2. Good environmental practices such as described in Environmental Criteria for Electric Transmission Systems as published by the U.S. Department of Interior and the U.S. Department of Agriculture shall be followed to the extent practicable.

3. Compliance with the most recent version of the National Electric Safety Code adopted by the Public Service Commission is required.

4. Fences that run parallel to the transmission line and may become conductive shall be grounded at appropriate intervals; fences running perpendicular to the line shall be grounded at the edge of the right-of-way.

5. Field reconnaissance of rare and endangered species shall be performed in order to minimize impacts on these species.

6. Open burning in connection with land clearing shall be in accordance with the applicable rules of the Department of Agriculture and Consumer Services. No additional permits shall be required, but the Division of Forestry shall be notified prior to burning. Open burning shall not occur if the Division of Forestry has issued a ban on burning due to fire hazard conditions.

C. Maintenance

1. Vegetative clearing operations for maintenance purposes to be carried out within the corridor shall follow the general standards for clearing a right-of-way for overhead transmission lines as referenced in Sections XIII.A.7. and XIII. B.2. Selective clearing of vegetation is preferred over clearing and grubbing or clear cutting.

2. If chemicals or herbicides are to be used for vegetation control, the name, type, proposed use, locations, and manner of application shall be provided to the Department prior to their application for assessment of compliance with applicable regulations.

D. Archaeological Sites

Any archaeological sites discovered during construction of the transmission lines, access roads or rail spurs shall be disturbed as little as possible and such discovery shall be communicated to the Department of State, Division of

Archives, History and Records Management (DAHRM). Potentially affected areas will be surveyed, and if a significant site is located, the site shall be avoided, protected, or excavated as directed by DAHRM.

E. Road Crossing

For all locations where the transmission line or the rail spur will cross state highways, the applicant will submit materials pursuant to the Department of Transportation's (DOT) "Utility Accomodation Guide" to DOT's district office for review and approval. All applicable regulations pertaining to roadway crossings by rail or transmission lines shall be complied with. Crossing of county roads shall be coordinated with the County Engineer.

F. Emergency Reporting

Emergency replacement of a previously constructed right-of-way or transmission lines shall not be considered a modification pursuant to Section 403.516, F.S. A verbal report of the emergency shall be made to the Department as soon as possible. Within fourteen (14) calendar days after correction of the emergency, a report to the Department shall be made outlining the details of the emergency and the steps taken for its temporary relief. The report shall be a written description of all work performed and shall set forth any pollution control measures or mitigative measures which were utilized or are being utilized to prevent pollution of waters, harm to sensitive areas or alteration of archaeological or historical resources.

G. Final Right-of-Way Location

A map of 1:24,000 scale showing final location of the right-of-way shall be submitted to the Department upon completion of acquisition.

H. Compliance

Construction and maintenance shall comply with the

applicable rules and regulations of the Department and those agencies specified in 17-17.54(2)(a) and (b), FAC.

I. Construction Plans

All proposed transmission line ROW areas, plant access roads and railroad lines which are designed to traverse a stream, lake, pond, canal, swamp, marsh or other natural or artificial system which functions to store or convey water and would reguire a permit under Chapter 40C-4 or 40C-6, FAC, shall have said design plans and specifications reviewed by the SWFWMD or SFWMD staff. The staff shall determine if such plans are consistent with the Site Certification Application, the Recommended Conditions of Certification and applicable District rules. To determine such consistency, information to include but not be limited to the following items shall be submitted to the District 60 days prior to construction:

1. A centerline profile of existing topographic features along proposed access road(s).
2. Preliminary design of proposed access road(s) with elevations marked.
3. Typical cross-section of access road(s).
4. Cross-section of each stream or creek at those points to be crossed by access road(s) or other facilities.
5. Specifications showing size and type of water control structure (pipe, culvert, etc.) to be placed within or on waters of the District, with proposed flowline elevations marked.
6. Specifications showing design capacity of all water control structures to be employed.
7. Specifications showing location and type of each transmission tower and access road(s) to be constructed within or on the waters of the District.
8. Computer rates of flow for streams or water courses before and after construction during a one hundred (100) year flood.

9. Any other information needed by FCS to show compliance with standards in Rule 40C-4 and 40C-6, FAC.

XIV. Change in Discharge

All discharges or emissions authorized herein shall be consistent with the terms and conditions of this certification. The discharge of any pollutant identified in the application more frequently than, or at a level in excess of, that authorized herein shall constitute a violation of the certification. Any anticipated facility expansions, production increases, or process modification which will result in new, different or increased discharges or expansion in steam generating capacity will require a submission of a new or supplemental application pursuant to Chapter 403, F.S.

XV. Non-Compliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any limitation specified in this certification, the permittee shall notify the manager of DER's SWFWMD office by telephone during the working day in which the permittee becomes aware of said non-compliance and shall confirm this situation in writing within seventy-two hours supplying the following information:

A. A description and cause of non-compliance; and

B. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue and steps being taken to reduce, eliminate and prevent recurrence of the non-complying event.

XVI. Facilities Operation

The permittee shall at all times maintain in good working order and operate at the efficiencies set forth in the design

criteria and as necessary to meet emission limitations all treatment or control facilities or systems installed or used by the applicant to achieve compliance with the terms and conditions of this certification. Such systems are not to be bypassed without prior Department approval.

XVII. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impacts resulting from non-compliance with any limitation specified in this certification, including, but not limited to, such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying event.

XVIII. Right of Entry

The permittee shall allow the Secretary of the Florida Department of Environmental Regulation and/or authorized representatives, upon the presentation of credentials:

A. To enter upon the permittee's premises where an effluent source is located or in which records are required to be kept under the terms and conditions of this permit; and

B. To have access to and to make copies of all records required to be kept under the conditions of this certification; and

C. To inspect and test any monitoring equipment or monitoring method required in this certification and to sample any discharge or pollutants; and

D. To assess any damage to the environment or violation of ambient standards.

XIX. Revocation or Suspension

This certification may be suspended or revoked pursuant to Section 403.512, F.S., or for violations of any Condition of Certification.

XX. Civil and Criminal Liability

This certification does not relieve the permittee from civil or criminal responsibility or liability for non-compliance with any conditions of this certification, applicable rules or regulations of the Department, or Chapter 403, F.S., or regulations thereunder.

Subject to Section 403.511, F.S., this certification shall not preclude the institution of any legal action or relieve the permittee from any responsibilities or penalties established pursuant to any other applicable state statutes or regulations.

XXI. Property Rights

The issuance of this certification does not convey any property rights in either real or personal property, tangible or intanglible, nor any exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. The applicant will obtain title, lease or right of use to any sovereign submerged lands occupied by the plant, transmission line structures, or appurtenant facilities from the State of Florida.

XXII. Severability

The provisions of this certification are severable, and, if any provision of this certification or the application of any provision of this certification to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the certification shall not be affected thereby.

XXIII. Definitions

The meaning of terms used herein shall be governed by the definitions contained in Chapter 403., F.S., and any regulation

adopted pursuant thereto. In the event of any dispute over the meaning of a term used in these general or special conditions which is not defined in such statutes or regulations, such dispute shall be resolved by reference to the most relevant definitions contained in any other state or federal statute or regulation or, in the alternative, by the use of the commonly accepted meaning as determined by the Department.

XXIV. Review of Site Certification

The certification shall be final unless revised, revoked or suspended pursuant to law. At least every five years from the date of issuance of this certification, the Department shall review all monitoring data that has been submitted to it during the preceeding five-year period for the purpose of determining the extent of the permittee's compliance with the conditions of this certification of the environmental impact of this facility. The Department shall submit results of its review and recommendations to the permittee. Such review will be repeated at least every five years thereafter.

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

XXVI. Effects of Certification

Certification and conditions of certification are predicated upon design and performance criteria indicated in the application. Thus, conformance to those criteria, unless specifically amended, modified, or as the Department and parties are otherwise notified, is binding upon the applicant in the preparation, construction, and maintenance of the certified project. In those instances where a conflict occurs between the application's design criteria and the conditions of certification, the conditions shall prevail.

XXVII. Noise

To mitigate the effects of noise produced by the steam blowout of steam boiler tubes, FCS shall conduct public awareness campaigns prior to such activities to forewarn the public of the estimated time and duration of the noise.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

MAR 27 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

REF: 4AW-AM

Mr. Richard C. Entorf
Senior Vice-President
Florida Crushed Stone Company
P. O. Box 317
Leesburg, Florida 32748

RE: PSD-FL-90 and 91

Dear Mr. Entorf:

Review of your March 30, 1983, application to construct a 600,000 ton per year cement plant and cogeneration facility near Brooksville, Hernando County, Florida, has been completed. The construction is subject to rules for the Prevention of Significant Deterioration (PSD) of air quality contained in 40 CFR §52.21. The Florida Department of Environmental Regulation (FDER) performed the preliminary determination concerning the proposed construction and published a request for public comment on May 27, 1983. In response to a request from Florida Mining and Materials, a hearing was held on November 30, 1983. On January 25, 1984, FDER performed a final determination recommending issuance of the PSD permit by EPA. The final determination contains responses to issues raised during the hearing and the public comment period.

The Environmental Protection Agency (EPA) has determined that the construction as described in the application meets all the applicable requirements of 40 CFR §52.21. Accordingly, pursuant to 40 CFR §124.15, the Regional Administrator has made a final decision to issue the enclosed Permit to Construct-Part I Specific Conditions and Part II General Conditions. This authority to construct, granted as of the effective date of the permit, is based solely on the requirements of 40 CFR §52.21, the federal regulations governing significant deterioration of air quality. It does not apply to other permits issued by this Agency or by other agencies. Please be advised that a violation of any permit condition, as well as any construction which proceeds in material variance with information submitted in your application, will be subject to enforcement action.

This final permit decision is subject to appeal under 40 CFR §124.19 by petitioning the Administrator of the EPA within thirty (30) days after receipt thereof. The petitioner must submit a statement of reasons for the appeal and the Administrator must decide on the petition within a reasonable time period. If the petition is denied, the permit shall become effective upon notice of such action to the parties to the appeal. If the petition is granted, any applicable effective date shall be determined by the results of the appeal proceedings. If no appeal is filed with the Administrator, the permit shall become effective thirty (30) days after receipt of this letter. Upon the expiration of the thirty (30) day period, EPA will notify you of the status of the permit's effective date.

Receipt of this letter does not constitute authority to construct. Approval to construct this facility shall be granted as of the effective date of the permit. The complete analysis which justifies this approval has been fully documented for future reference, if necessary. Any questions concerning this approval may be directed to Mr. Jesse Baskerville, Acting Chief, Air Engineering Section, Air and Waste Management Division at 404/881-4253.

Sincerely yours,

George L. Harlow

for Thomas W. Devine, Director
Air and Waste Management Division

Enclosure

cc: Mr. Steve Smallwood, P.E., Chief
Bureau of Air Quality Management
Florida Department of Environmental Regulation

PERMIT TO CONSTRUCT UNDER THE RULES FOR THE
PREVENTION OF SIGNIFICANT DETERIORATION OF AIR QUALITY

Pursuant to and in accordance with the provisions of Part C, Subpart I of the Clean Air Act, as amended, 42 U.S.C. §7470 et seq., and the regulations promulgated thereunder at 40 CFR §52.21 (1983),

Florida Crushed Stone Company
Leesburg, Florida

is, as of the effective date of this permit (PSD-FL-90 and 91) authorized to modify a stationary source at the following location:

Intersection of Cobb Road and Yontz Rd.
3.5 Miles Northwest of Brooksville, Florida

UTM Coordinates: 360.0-360.1 km East, 3162.1-3162.5 km North

Upon completion of authorized construction and commencement of operation/production, this stationary source shall be operated in accordance with the emission limitations, sampling requirements, monitoring requirements and other conditions set forth in the attached Specific Conditions (Part I) and General Conditions (Part II).

This permit is hereby issued on MAR 27 1984 and shall become effective thirty (30) days after receipt thereof unless a petition for administrative review is filed with the Administrator during that time. If a petition is filed any applicable effective date shall be determined in accordance with 40 CFR §124.19(f)(1).

If construction does not commence within 18 months after the effective date of this permit, or if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time, this permit shall expire and authorization to construct shall become invalid.

This authorization to construct/modify shall not relieve the owner or operator of the responsibility to comply fully with all applicable provisions of Federal, State, and local law.

March 27, 1984
Date Signed

Regional Administrator

PART I

Specific Conditions

The construction and operation of the Florida Crushed Stone Company (FCS) steam electric power plant and cement plant shall be in accordance with the attached general conditions and all applicable provisions of 40 CFR 52.21. In addition to the foregoing, the permittee shall comply with the following specific conditions of approval:

A. Emission Limitations

1. Stack emissions from the power plant boiler only shall not exceed the following site specific limitations when burning coal:

   a. SO_2 - 0.9 lb. per million Btu heat input, maximum three-hour average (not to exceed 915 lb. per hour, maximum three-hour average). 750 ← Gov't & Cabinet Decision PA 82-17 ~~775~~ NOT 750

   b. NO_x - 0.7 lb. per million Btu heat input, averaging time per 40 CFR 60.46.

   c. Particulates - 0.03 lb. per million Btu heat input, averaging time per 40 CFR 60.46.

   d. Visible emissions - 20% opacity, 6-minute average, except for one 6-minute period per hour of not more than 27% opacity.

2. Stack emissions from the combined cement plant/and power plant boiler shall not exceed the following site specific limits: lime plant 1.2 lb/10⁶ Btu max 2-hr avg

   a. SO_2 - 50 lb. per hour plus 0.74 lb. per million Btu boiler heat input, maximum three-hour average (not to exceed ~~965~~ 781 lb/hr maximum three-hour average).

   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 40 CFR 60.46.

   c. Particulates - 0.03 lb. per million Btu heat input plus 0.3 lb. from the cement kiln and 0.1 lb from the clinker cooler per ton of kiln feed (dry basis), averaging time per 40 CFR 60.46.

d. Visible emissions - less than 10 percent opacity, 6-minute average, except for one 6-minute period per hour of not more than 17% opacity.

e. Total Fluorides: 0.7 lb/hr.

f. Sulfuric Acid Mist: 1.7 lb/hr.

g. Beryllium: 0.0005 lb/hr.

h. Mercury: 0.03 lb/hr.

3. The emission rates from the main baghouse when only the cement plant is operating shall not exceed the emission limits and maximum allowable emissions listed below:

Pollutant	Emission Limits lb/ton of kiln feed	Maximum Allowable Emissions lb/hr	tons/yr
PM	0.4	49.5	216
SO_2	0.6	50.0	325
NO_x	2.9	359.0	1572

4. Visible emissions from the kiln, cooler, dryer and raw mill shall be less than 10 percent opacity.

5. Particulate emissions from the coal and fly ash handling facilities.

a. All conveyors and conveyor transfer points will be enclosed to preclude particulate emissions (except those directly associated with the coal stacker/reclaimer, emergency stockout stacker/reclaimer, emergency stockout, and deep bucket conveyor).

b. Inactive coal storage piles will be shaped, compacted and oriented to minimize wind erosion.

c. Water sprays or chemical wetting coal agents and stabilizers will be applied to coal storage piles, handling equipment, etc. during dry periods and as necessary to all coal handling facilities to maintain an opacity of less than or equal to 5 percent, except when adding, moving or removing coal from the coal pile, during which the opacity shall be no more than 20%.

d. The fly ash handling system (including transfer and silo storage) will be totally enclosed and vented (including pneumatic system exhaust) through fabric filters.

6. Particulate emissions from bag filter exhausts from the coal and fly ash handling systems (excluding those facilities covered by Specific Condition A.5.c.) shall be limited to 0.02 gr/acf. A visible emission reading of 5% opacity or less may be used to establish compliance with this emission limit. A visible emission reading greater than 5% opacity will not create a presumption that the 0.02 gr/acf emission limit is being violated. However, a visible emission reading greater than 5% opacity will require the permittee to perform a stack test, as set forth in Specific Condition B.

7. Emissions of particulate matter from all other baghouse-equipped sources associated with the cement plant shall not exceed the maximum allowable emission limits listed below:

BAGHOUSE INVENTORY

Florida Permit No. (AC 27-)	Source Name	Allowable PM Emissions lb/hr	TPY
61019 118676	Raw Materials Bin	0.8	3.5
61012 118672	Pre Mix Bin	0.6	2.6
61013 118673	Fly Ash Bin	0.6	2.6
61017 118675	Raw Meal Transfer	0.3	1.3
61020 118677	Blending Silo	3.3	14.5
61021 118678	Kiln Feed	0.8	3.5
61030 118685	Clinker Silo	0.6	2.6
61032 118686	Clinker Silo	0.6	2.6
61027 118684	Cooler Discharge	0.8	3.5
61033 118687	Silo Discharges	1.8	7.9
61037 118688	Finish Mill	6.4	28.0
61038 118689	Cement Silo Discharge	0.6	2.6
61040 118690	Cement Silo	0.6	2.6
61041 118681	Cement Silo	0.6	2.6
61042 118683	Cement Silo	0.6	2.6
61026 118680	Coal Handling	0.8	3.5

8. Visible emissions from all sources listed in Specific Condition 7 shall not be greater than 5 percent opacity.

9. Compliance with the opacity limits of Specific Conditions A.1.d., A.2.d., A.4., A.5.c., A.6., and A.8. will be determined by EPA reference method 9 (including alternate method 1, Appendix A, 40 CFR Part 60).

B. Stack Testing

1. Within 60 calendar days after achieving the maximum capacity at which each unit will be operated (but no later than 180 operating days after initial startup) and annually thereafter, the permittee shall conduct: (a) performance tests on the main stack for particulates, SO_2, NO_x, and visible emissions (1) during normal operations near (± 3%) 1,234 million Btu per hour heat input when the power plant and cement plant are operating in combination, (2) at or near 1,000 million Btu per hour when the power plant is operating alone, and (3) at or near maximum production when the cement plant is operating alone; and (b) visible emissions tests on all baghouses. The Department shall be furnished a written report of the results of such performance tests within 45 days of completion of the test.

2. Performance tests shall be conducted under such conditions as the Department shall specify based on representative performance of the facility. The permittee shall make available to the Department such records as may be necessary to determine the conditions of the performance tests.

3. The permittee shall provide 30 days notice of the performance tests or 10 working days for stack tests in order to afford the Department the opportunity to have an observer present.

4. Stack tests for particulates, NO_x, and SO_2 and visible emissions tests shall be performed annually from the date of the first performance test(s) in accordance with Specific Conditions B.2. and 3. above.

5. Performance tests for Specific Condition B.1.(a)(1) and (2) shall be conducted in accordance with the provisions of 40 CFR Part 60 including Appendix A and 40 CFR 60.46.

6. Performance tests for particulate for Specific Condition B.1.(a)(3) shall be conducted in accordance with 40 CFR Part 60, including Appendix A and 40 CFR 60.64.

7. Compliance with the SO_2 and NO_x emission limits in Specific Condition A.3. shall be demonstrated in accordance with EPA Methods 6 and 7, respectively, in 40 CFR 60, Appendix A.

8. Compliance with the particulate emission limits for all sources listed in Specific Condition Nos. A.6. and A.7. shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

9. Compliance with total fluoride emission limits in Specific Condition A.2.e. shall be demonstrated, if required by EPA, in accordance with EPA Method 13A or 13B, and 40 CFR 60.8.

10. Compliance with sulfuric acid mist limits in Specific Condition A.2.f. shall be demonstrated, if required by EPA, in accordance with EPA Method 8, and 40 CFR 60.8.

11. Compliance with beryllium limits in Specific Condition A.2.g. shall be demonstrated, if required by EPA, in accordance with EPA Method 104, and 40 CFR 60.8.

12. Compliance with mercury limits in Specific Condition A.2.h. shall be demonstrated, if required by EPA, in accordance with EPA Method 101A, and 40 CFR 60.8.

13. EPA Methods 1 and 2 shall be used for determining stack gas velocity when required in Specific Conditions B.7., B.8., B.9., B.10., B.11., and B.12.

C. Monitoring Program

1. A flue gas oxygen meter shall be installed for the unit to continuously monitor a representative sample of the boiler 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 a continuous opacity monitoring device for the baghouse exhaust. The monitoring devices shall meet the applicable requirements of 40 CFR 60.45 and 40 CFR 60.13 including certification of each device. The Department shall be provided 30 days notice on each certification.

2. The permittee shall operate two ambient monitoring devices for suspended particulates in accordance with EPA quality assurance procedures and reference methods in 40 CFR 53. The monitoring devices shall be operated at a location approved by the Department of Environmental Regulation. The frequency of operation of the particulate monitors shall be every six days commencing as specified by the Department. In addition, the permittee shall operate a meteorological station, which includes wind measuring equipment, at a location approved by the Department. These data will be reported with the ambient data.

3. The ambient monitoring program shall begin at least one year prior to initial start up of the boiler and shall continue for at least one year of commercial operation. The Department and the permittee shall review the results of the monitoring program annually and determine the necessity for the continuation of or modifications to the monitoring program.

4. Samples of all fuel oil and coal fired shall be taken and an ultimate analysis obtained including the heating value on a moisture free basis. Accordingly, samples shall be taken of each fuel shipment received. Coal sulfur content shall be determined and recorded on a daily basis. Records of all the analyses shall be kept for public inspection for a minimum of two years after the data are recorded.

5. Prior to operation of the source, the permittee shall submit to the Department a plan or procedure that will allow the permittee to monitor emission control equipment efficiency and enable the permittee to return malfunctioning equipment to proper operation as expeditiously as possible.

6. Instruments shall be installed, calibrated, and maintained to continuously measure the amounts of coal used, material fed to the kiln, and clinker produced. The records of fuel usage with the fuel analysis, daily kiln feed and clinker produced shall be reported quarterly to the Florida Department of Environmental Regulation 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.

2. Utilizing the SAROAD or other format approved in writing by the Department, ambient air monitoring data shall be reported to the Bureau of Air Quality Management of the Department quarterly. Commencing on the date of certification, such reports shall be due within 45 days following the quarterly reporting period. Reporting and monitoring shall be in conformance with 40 CFR, Parts 53 and 58.

3. Beginning one month after approval, the permittee shall submit to the Department a monthly status report briefly outlining progress made on engineering design and purchase of major pieces of air pollution control equipment. All reports and information required to be submitted under this condition shall be submitted to the Administrator of Power Plant Siting, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida, 32301.

E. Coal Characteristics and Contracts

Before approval can be granted by EPA for use of control devices, characteristics of the coal to be fired must be known. Therefore, before these approvals are granted, the permittee must submit to the Department of Environmental Regulation copies of coal contracts which should include the expected sulfur content, ash content, and heat content of the coal to be fired. These data will be used by the Department and EPA in evaluating the adequacy of the control devices. Also, the applicant must demonstrate the ability to acquire a low sulfur coal supply of sufficient length to enable the installation of sulfur removal equipment if the supplies of low sulfur coal should not become available or be discontinued. Therefore, the coal contracts must be for a period of at least five (5) years from the date of start-up of the boiler.

F. Coal Information

As an alternative to the submittal of contracts for purchase of coal under Specific Condition E above, the permittee may submit the following information:

1. The name of the coal supplier;

2. The sulfur content, ash content, and heat content of the coal as specified in the purchase contracts;

3. The location of the coal deposits covered by the contract (including mine name and seam);

4. The date by which the first delivery of coal will be made;

5. The duration of the contract; and

6. An opinion of counsel for the permittee that the contracts are legally binding.

G. Additional Conditions

1. When the power plant boiler is operating alone and the cement plant 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.

2. The maximum coal consumption in the kiln shall not exceed 10.3 tons per hour.

3. Construction shall reasonably conform to the plans and schedule given in the application.

4. The permittee shall report any delays in construction and completion of the project which would delay commercial operation by more than 90 days to EPA.

5. Reasonable precautions to prevent fugitive particulate emissions during construction and operation, such as coating or paving of roads and construction sites, wetting roads, and regrassing or watering areas of disturbed soils and storage areas, will be taken by the permittee. In addition, the main access road(s) within FCS's property will be paved.

6. Any fuel oil to be fired in the boiler shall be "new oil", which means an oil which has been refined from crude oil and has not been used. The quality of the fuel oil used by the boiler shall not cause the allowable emission limits listed in the table below to be exceeded. Such emissions may be calculated in accordance with AP-42, third edition.

Allowable Emission Limits

Pollutant	lb/MMBtu
PM	0.015
SO_2	0.31
NO_x	0.16
Visible emissions	Maximum 20% Opacity

Fuel oil limits

7. The height of the boiler exhaust stack for the plant shall not be less than 320 ft. above grade.

8. Particulate emissions from the following sources of Chemical Lime Company (wholly owned subsidiary of Florida Crushed Stone Company) shall not exceed the following limits:

Source	DER Permit No.	Emissions (lb/hr)
Kiln	AO 27-55581	16.0
Hydrator	AO 27-25269	12.5
Dryer	AO 27-50400	14.5
Bagging	AO 27-17352	5.0

9. The permittee must submit to the Florida Department of Environmental Regulation within thirty (30) days after it becomes available a copy of the technical data pertaining to the selected particulate and SO_2 emissions controls. These data should include, but not be limited to, projected or guaranteed efficiency and emission rates, and major design parameters such as injection rates, injection points, air/cloth ratio and flow rate. EPA may, upon review of these data, disapprove the use of any such device if it determines the selected control device to be inadequate to meet the required emission limits. Such disapproval shall be issued within 30 days of receipt of the technical data.

PART II

GENERAL CONDITIONS

1. The permittee shall notify the permitting authority in writing of the beginning of construction of the permitted source within 30 days of such action and the estimated date of startup of operation.

2. The permittee shall notify the permitting authority in writing of the actual start-up of the permitted source within 30 days of such action and the estimated date of demonstration of compliance as required in the specific conditions.

3. Each emission point for which an emission test method is established in this permit shall be tested in order to determine compliance with the emission limitations contained herein within sixty (60) days of achieving the maximum production rate, but in no event later than 180 days after initial start-up of the permitting source. The permittee shall notify the permitting authority of the scheduled date of compliance testing at least thirty (30) days in advance of such test. Compliance test results shall be submitted to the permitting authority within forty-five (45) days after the compliance testing. The permittee shall provide (1) sampling ports adequate for test methods applicable to such facility, (2) safe sampling platforms, (3) safe access to sampling platforms, and (4) utilities for sampling and testing equipment.

4. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of two (2) years for the date of recording.

5. If, for any reason, the permittee does not comply with or will not be able to comply with the emission limitations specified in this permit, the permittee shall provide the permitting authority with the following information in writing within five (5) days of such conditions:

   (a) description of noncomplying emission(s),
   (b) cause of noncompliance,
   (c) anticipated time the noncompliance is expected to continue or, if corrected, the duration of the period of noncompliance,
   (d) steps taken by the permittee to reduce and eliminate the noncomplying emission, and

(e) steps taken by the permittee to prevent recurrence of the noncomplying emission.

Failure to provide the above information when appropriate shall constitute a violation of the terms and conditions of this permit. Submittal of this report does not constitute a waiver of the emission limitations contained within this permit.

6. Any change in the information submitted in the application regarding facility emissions or changes in the quantity or quality of materials processed that will result in new or increased emissions must be reported to the permitting authority. If appropriate, modifications to the permit may then be made by the permitting authority to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause violation of the emission limitations specified herein.

7. In the event of any change in control or ownership of the source described in the permit, the permittee shall notify the succeeding owner of the existence of this permit and the permitting authority.

8. The permittee shall allow representatives of the state environmental control agency or representatives of the Environmental Protection Agency upon the presentation of credentials:

(a) to enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of the permit;

(b) to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit, or the Act;

(c) to inspect at reasonable times any monitoring equipment or monitoring method required in this permit;

(d) to sample at reasonable times any emission of pollutants; and

(e) to perform at reasonable times an operation and maintenance inspection of the permitted source.

9. All correspondence required to be submitted by this permit to the permitting agency shall be mailed to the:

Chief, Air Management Branch
Air and Waste Management Division
U.S. Environmental Protection Agency
Region IV
345 Courtland Street
Atlanta, Georgia 30365

10. The conditions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

The emission of any pollutant more frequently or at a level in excess of that authorized by this permit shall constitute a violation of the terms and conditions of this permit.