

Final Determination

Florida Crushed Stone Company

State Permit Numbers

AC 27-61012	AC 27-61027
AC 27-61013	AC 27-61030
AC 27-61016	AC 27-61032
AC 27-61017	AC 27-61033
AC 27-61019	AC 27-61037
AC 27-61020	AC 27-61038
AC 27-61021	AC 27-61040
AC 27-61026	AC 27-61041
	AC 27-61042

Florida Department of Environmental Regulation  
Bureau of Air Quality Management  
Central Air Permitting

November 10, 1983

Final Determination

Florida Crushed Stone Company  
Cement Plant

Florida Crushed Stone Company's construction permit applications for the Portland cement plant portion of their proposed cement plant/power plant facility to be located at the company's existing mining site in Brooksville, Hernando County have been reviewed by the Bureau of Air Quality Management. Public notice of the department's intent to issue was published in the Brooksville Sun-Journal on May 27, 1983. Copies of the preliminary determination were available for public inspection at DER's Southwest District in Tampa, the Bureau of Air Quality Management in Tallahassee, and the Hernando County Public Library in Brooksville.

On June 10, 1983, Florida Rock Industries requested a hearing on the cement plant permits. On June 13, 1983, Florida Mining and Materials also requested a hearing. In September, 1983, both companies withdrew their requests and on September 28, 1983, the hearing officer filed recommended orders dismissing the requests. The department filed final orders on October 21, 1983, which issued the cement plant permits. Copies of these orders are contained in the attachment following this page. There were no other letters of response to the State preliminary determination on the cement plant portion of the proposed new facility as a result of the public notice period. However, the applicant did submit additional information on the air quality impacts of the proposed power plant portion of their proposed new facility. The power plant portion is the subject of a separate action and the permit for it is not contained with these permits. But, the air quality impact analysis in the preliminary determination accompanying the cement plant permits is based on an evaluation of the impacts of the proposed cement plant/power plant facility as a whole, since the impacts of the cement plant were not evaluated separately. The changes in the air quality impacts analysis due to this additional information is also contained in the attachment following this page. Changes on each page are indicated by lines in the margin. The scope of these changes do not affect the cement plant permits.

The final action of the department is to issue the permit as noticed in the public review process.

ATTACHMENT



BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

FLORIDA MINING AND MATERIALS, INC., )  
 )  
Petitioner, )  
 )  
v. )  
 )  
STATE OF FLORIDA DEPARTMENT OF )  
ENVIRONMENTAL REGULATION and )  
FLORIDA CRUSHED STONE COMPANY, )  
 )  
Respondent. )  
\_\_\_\_\_ )

DOAH Case Nos.: 83-1862-  
1878

DER

OCT 26 1983

BAQM

FINAL ORDER

On September 29, 1983, the Department received the Hearing Officer's Recommended Order to dismiss the petitions of Florida Mining and Materials Corporation. Having fully considered the Hearing Officer's recommendation and the Notice of Voluntary Dismissal filed by Florida Mining and Materials, I hereby adopt the Recommended Order in toto. Proposed permits AC27-61012, AC27-61013, AC27-61016, AC27-61017, AC27-61019, AC27-61020, AC27-61021, AC27-61026, AC27-61027, AC-61030, AC27-61032, AC27-61033, AC27-61037, AC27-61038, AC27-61040, AC27-61041, and AC27-61042 shall be issued as proposed by the Notice of Proposed Agency Action issued by the Department on May 19, 1983.

DONE AND ORDERED this 21 day of October, 1983.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 (9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Edward P. Stewart      10/24/83  
Clerk                                      Date

Terry Cole for  
VICTORIA J. TSCHINKEL  
Secretary

State of Florida Department  
of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32301  
(904)488-4805

RECEIVED

SEP 29 1983

STATE OF FLORIDA  
DIVISION OF ADMINISTRATIVE HEARINGS

Dept. of Environmental Regl.  
Office of General Counsel

FLORIDA ROCK INDUSTRIES, INC.,	)	
	)	
Petitioner,	)	
	)	
vs.	)	Case No. 83-1881
	)	
DEPARTMENT OF ENVIRONMENTAL	)	
REGULATION and FLORIDA CRUSHED	)	
STONE COMPANY,	)	
	)	
Respondent.	)	
	)	

RECOMMENDED ORDER

The petitioner Florida Rock Industries, Inc. having filed a "Motion for Order Dismissing Proceedings" stating its desire to withdraw, without prejudice, its petition for formal administrative proceedings,

IT IS RECOMMENDED THAT a Final Order be entered dismissing, without prejudice, the petition in Case No. 83-1881.

The Division of Administrative Hearings will now close its files in Case No. 83-1881.

Respectfully submitted and entered this 28<sup>th</sup> day of September, 1983, in Tallahassee, Florida.

*Diane D. Tremor*

DIANE D. TREMOR  
Hearing Officer  
Division of Administrative Hearings  
The Oakland Building  
2009 Apalachee Parkway  
Tallahassee, Florida 32301  
(904) 488-9675

Copies furnished:

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Tallahassee, Florida 32301

John Radey, Esquire  
Holland and Knight  
600 Barnett Bank Building  
Tallahassee, Florida 32301

Filed with the Clerk of the Division of Administrative Hearings this 28<sup>th</sup> day of September, 1983.

Lawrence N. Curtin, Esquire  
Holland and Knight  
Post Office Drawer BW  
Lakeland, Florida 33802

Victoria Tschinkel, Secretary  
Department of Environmental  
Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32301

BEFORE THE STATE OF FLORIDA .  
DEPARTMENT OF ENVIRONMENTAL REGULATION

FLORIDA ROCK INDUSTRIES, INC., )  
 )  
 Petitioner, )  
 )  
 v. ) DOAH Case No.: 83-1881  
 )  
 STATE OF FLORIDA DEPARTMENT OF )  
 ENVIRONMENTAL REGULATION and )  
 FLORIDA CRUSHED STONE COMPANY, )  
 )  
 Respondents. )  
 )

DER

OCT 26 1983

BAQM

FINAL ORDER

On September 29, 1983, the Department received the Hearing Officer's Recommended Order advising the dismissal of Florida Rock Industries, Inc.'s, petition. Having fully considered the Hearing Officer's recommendation and Florida Rock Industries' Motion for Order Dismissing Proceedings the Recommended Order is hereby granted in toto. Proposed permits AC27-61012, AC27-61013, AC27-61016, AC27-61017, AC27-61019, AC27-61020, AC27-61021, AC27-61026, AC27-61027, AC27-61030, AC27-61032, AC27-61033, AC27-61037, AC27-61038, AC27-61040, AC27-61041, and AC27-61042 shall be issued as proposed by the Notice of Proposed Agency Action issued by the Department on May 19, 1983.

DONE AND ORDERED this 21 day of October, 1983.

Victoria J. Tschinkel  
VICTORIA J. TSCHINKEL  
Secretary

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 (9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Deborah A. Johnson 10/24/83  
Clerk Date

State of Florida Department  
of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32301  
(904)488-4805

TABLE 2

PROPOSED FLORIDA CRUSHED STONE CEMENT PLANT STACK AND FUGITIVE SOURCE  
PARAMETERS AND EMISSION RATES

Emissions Unit	Stack Height (m)	Stack Diameter (m)	Exit Velocity (m/s)	Exit Temperature (K)	Emission Rate g/s		
					PM	SO <sub>2</sub>	NO <sub>x</sub>
Cement Kiln <sup>1</sup>	97.60	4.88	13.71	381.0	6.24	9.36	45.23
Raw Materials Bin	30.50	.61	12.90	314.0	.10	--	--
PreMix Bins	38.10	.61	9.70	314.0	.08	--	--
Fly Ash Bin	38.10	.61	9.70	314.0	.08	--	--
Raw Meal Transfer	21.30	.30	12.90	355.0	.04	--	--
Blending Silo	73.20	1.10	13.72	355.0	.42	--	--
Kiln Feed	15.20	.61	9.70	366.0	.10	--	--
Clinker Silo	41.20	.46	14.39	366.0	.08	--	--
Clinker Silo	61.00	.46	14.39	366.0	.08	--	--
Cooler Dis- charge	8.80	.61	9.70	366.0	.10	--	--
Silo Discharges	15.20	.76	14.48	314.0	.23	--	--
Finish Mill	21.30	1.50	12.93	372.0	.81	--	--
Cement Silo Discharge	15.20	.46	14.39	344.0	.08	--	--
Cement Silos	61.00	.46	14.39	355.0	.30	--	--
Fugitive Sources	Release Height(m)		Area Width(m)	PM Emission Rate (g/s/m <sup>2</sup> )			
Deep Bucket Conveyor	15.0		45.0	0.000212			
Iron Ore Storage	15.0		90.0	0.000029			
Cement Distribution Sys.	10.0		20.0	0.000125			

<sup>1</sup> Cement kiln and power plant share a common stack, total proposed emissions from which equal: PM, 10.9 g/s; SO<sub>2</sub>, 121.6 g/s; NO<sub>x</sub>, 161.2 g/s; and CO, 6.3 g/s.



Chassahowitzka Class I area is within 20 kilometers of the proposed site; therefore, an analysis of Class I impacts was also performed.

There are several sources besides the proposed FCS facility which could affect increment consumption in the area of the proposed site. These are Adams Construction Company, Florida Mining and Materials, and Florida Power Corporation-Crystal River. Modeling results shown in Table 4 predict that the power plant/cement plant facility proposed by FCS, in combination with other increment-affecting sources in the area, will not cause a violation of any Class I or Class II PSD increment. Since separate modeling runs for the cement plant sources alone were not done, the table contains values based on all cement plant and power plant sources. For both SO<sub>2</sub> and PM, the highest, second-highest short-term predicted concentrations are given in the table since five years of meteorological data were used in the modeling.

As shown in the table, the predicted 24-hour SO<sub>2</sub> concentration in the Class I area consumes the highest percent of the PSD Class I increments. The modeling results show the highest, second-highest 24-hour SO<sub>2</sub> impact to be 3.2 micrograms per cubic meter at a point 21.5 kilometers northwest of the proposed power plant/cement plant kiln stack location in the southeastern corner of Chassahowitzka Class I PSD area. This 24-hour impact consumes about 64% of the available 24-hour Class I SO<sub>2</sub> increment. The predicted 24-hour PM concentration in the Class II area consumes the highest percent of the PSD Class II increments. The modeling results show the 24-hour PM impact to be 18 micrograms per cubic meter at a point 1.1 kilometers east of the proposed project. This impact is mainly due to fugitive emissions from the power plant/cement plant. This 24-hour impact consumes about 49% of the available 24-hour Class II PM increment.

#### D. AAQS Analysis

Given existing air quality in the area, the proposed FCS facility is not expected to cause or contribute to any violation of AAQS. The results of the AAQS analysis are contained in Table 5. The values contained in this table are based on emissions from all FCS cement and power plant sources.

For both SO<sub>2</sub> and PM, the highest, second-highest short-term predicted concentrations are given in the table since five years of meteorological data were used in the modeling. Based on the monitoring data, FCS has conservatively estimated the short-term PM background value as 112 micrograms per cubic meter and the long-term PM background value as 34 micrograms per cubic meter. The monitoring data show that both the short-term and long-term background SO<sub>2</sub> values can be assumed to be zero because values of zero were measured 97 percent of the time by the SO<sub>2</sub> monitor. For this project, no NO<sub>2</sub> or CO monitoring

TABLE 4

COMPARISON OF NEW SOURCE IMPACTS  
WITH PSD INCREMENTS

Pollutant and Time Average	PSD Class I Increment	Predicted Concentration	Percent Increment Consumed	PSD Class II Increment	Predicted Concentration	Percent Increment Consumed
SO <sub>2</sub> (ug/m <sup>3</sup> )						
3-hour	25.0	15.5	62	512	64	13
24-hour	5.0	3.2	64	91	13	14
Annual	2.0	0.1	5	20	4	20
PM (ug/m <sup>3</sup> )						
24-hour	10.0	1.8	18	37	18	49
Annual	5.0	0.3	6	19	3	16

TABLE 5

COMPARISON OF PREDICTED IMPACTS WITH  
AMBIENT AIR QUALITY STANDARDS

<u>Pollutant and Time Average</u>	<u>Existing Background<sup>1</sup></u>	<u>FCS Impact</u>	<u>All Sources<sup>2</sup></u>	<u>Florida AAQS</u>
SO <sub>2</sub> (ug/m <sup>3</sup> )				
3-hour	0	64	266	1300
24-hour	0	13	65	260
Annual	0	1	20	60
PM (ug/m <sup>3</sup> )				
24-hour	112	18	146	150
Annual	34	6	56	60
NO <sub>2</sub> (ug/m <sup>3</sup> )				
Annual	20	1	---3	100
CO (ug/m <sup>3</sup> )				
8-hour	0	<1	---3	10,000
1-hour	0	<10	---3	40,000

1) Existing background as defined by FCS

2) Includes existing background. Maximum FCS impact does not necessarily occur at the same point and time as maximum ambient impact of all sources in the area.

3) Because of insignificant FCS impact, the maximum ambient impact of all sources in the area was not evaluated.

was required by the Department; however, the Department has estimated a background NO<sub>2</sub> value of 20 ug/m<sup>3</sup>. This value is based upon data gathered elsewhere around the state.

The maximum predicted 24-hour PM impact which includes the background value, the impact of all new and existing sources, and the impact of the proposed FCS sources is 146 micrograms per cubic meter. This impact is predicted to occur 2.0 kilometers southwest of the proposed FCS site. The maximum predicted annual PM impact is 56 micrograms per cubic meter and is predicted to occur near the Florida Mining and Materials plant northwest of the site. The contribution by FCS sources to this impact is 0.1 microgram per cubic meter. The maximum predicted SO<sub>2</sub> impacts are all much less than AAQS as is the maximum predicted annual NO<sub>2</sub> impact. The maximum predicted CO impact was inferred from the SO<sub>2</sub> modeling and is insignificant.

E. Analysis of Impacts on Soils, Vegetation, and Visibility, and Growth-Related Air Quality Impacts.

The maximum ground-level concentrations predicted to occur as a result of emissions from the proposed FCS facility will be below all applicable AAQS including the secondary standards designed to protect public welfare related values. No soils or species of vegetation highly sensitive to these emissions are known to occur onsite, in the site vicinity, or in the Chassahowitzka Class I area.

A level-II visibility analysis for the power plant/cement plant facility predicts no adverse impact on the visibility in the Class I area.

The proposed facility will employ persons who are already a part of the west-central Florida work force. This project is not expected stimulate additional growth or shift the nature of the projected growth. Therefore, no significant secondary residential commercial or industrial growth which will adversely affect air quality in the area is expected.

F. GEP Stack Height Evaluation

Regulations published by EPA in the Federal Register of February 8, 1982, define GEP stack height as the maximum nearby building height plus 1.5 times the building height or width, whichever is less. The stack height proposed for the power plant/cement kiln and used in the modeling is 320 feet. This stack height is less than the GEP stack height of 375 feet calculated from the FCS plot layout and preliminary building dimensions for the cement plant silo and preheater.

## VII. CONCLUSIONS

Based on the foregoing technical evaluation of the applications and additional information submitted by Florida Crushed Stone Company, the Department has made a preliminary determination that the construction can be approved and that compliance with all applicable state and federal air pollution regulations will be achieved provided certain conditions are met. The general and specific conditions are listed in the attached draft state permits.

## VIII. LIST OF ATTACHMENTS

1. Application to Construct Air Pollution Sources (DER Form 17-1.122(16)), for each of 17 sources received on September 30, 1982, revised January 13 and February 16, 1983.
2. Application for State and Federal PSD Approval, Volume I, received September 30, 1982.
3. DER's incompleteness letter to FCS, dated October 29, 1982.
4. FCS's additional information, received on November 3 and 8, 1982.
5. DER's request for additional information, dated Feb. 1, 1983.
6. DER's comments on revised applications to FCS, dated February 14, 1983.
7. FCS's responses to DER, received on February 16, 18, and 25, 1983.
8. DER's additional comments to FCS, dated March 10, 1983.
9. DER's additional comments to FCS, dated March 18, 1983.
10. FCS'S response to DER, received on March 21, 1983.
11. FCS's response to DER, received on March 30, 1983.
12. DER's transmittal of U. S. Fish and Wildlife Service comments to FCS, dated March 30, 1983.
13. FCS's additional information, received on April 1 and 15, 1983.
14. DER's BACT determination for cement plant sources.
15. FCS's additional information, received on August 1, 1983.
16. FCS's additional information, received on October 3, 1983.



SHOLTES & KOOGLER, ENVIRONMENTAL CONSULTANTS  
1213 N.W. 6th Street Gainesville, Florida 32601 (904) 377-5822

SKEC 307-82-02

August 1, 1983

Mr. Clair H. Fancy  
Florida Department of  
Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32301

DER

AUG 02 1983

BAQM

Subject: Florida Crushed Stone Company  
Proposed Cement Plant/Power Plant  
Hernando County, Florida  
Revised Air Quality Review

Dear Mr. Fancy:

The Florida Crushed Stone Company has voluntarily reduced sulfur dioxide and particulate matter emissions from the cement plant/power plant complex proposed by the company in Hernando County. As a result of these reductions in emissions, revisions in the Air Quality Review were necessitated. These revisions show that the impact of sulfur dioxide and particulate matter emissions on the ambient air quality will be reduced. Copies of computer print-outs representing the revision to the Air Quality Review and tables and figures summarizing the results from these model runs were hand delivered to your office on July 21 and August 1, 1983. The purpose of this letter is to summarize the revisions that were made in the Air Quality Review and to summarize the results of that review.

Florida Crushed Stone has volunteered to reduce sulfur dioxide emissions and particulate matter emissions from the proposed 125 megawatt coal fired power plant. When both the cement plant and power plant are operating, Florida Crushed Stone is proposing a total sulfur dioxide emission rate of 965.0 pounds per hour; 915.0 pounds per hour from the power plant and 50.0 pounds per hour from the cement plant. The sulfur dioxide emission rate from the power plant is equivalent to 0.74 pounds of sulfur dioxide per million BTU heat input. This will be the lowest permitted sulfur dioxide emission rate from any new or existing coal fired power plant in the State of Florida. When the

power plant only is operating, Florida Crushed Stone is proposing a sulfur dioxide emission rate not to exceed 915 pounds per hour. This emission rate will be achieved by reducing sulfur dioxide emissions with limestone injection and, if necessary, reducing the electric power output from the plant.

Florida Crushed Stone is also proposing to reduce particulate matter emissions from the proposed power plant to 37.0 pounds per hour or 0.03 pounds of particulate matter per million BTU heat input with the plant operating at 125 megawatt. When the cement plant and power plant are operating, the total particulate matter emission rate will be 86.5 pounds per hour; 37.0 pounds per hour from the power plant and 49.5 pounds per hour from the cement plant.

The stack gas parameters used in the Air Quality Review are those transmitted to your office on March 29, 1983. The parameters used in the revised Air Quality Review, those resulting in the greatest ground-level impact, are those representing the combined operation of the cement plant and the power plant. Under these conditions, the stack gas flow rate is 542,460 actual cubic feet per minute at a temperature of 226°F. The stack height used in the modeling is 320 feet and in the stack diameter is 16.0 feet. The stack and stack gas parameters input to the model are:

Stack Height - 97.6 meters,  
Stack Diameter - 4.88 meters,  
Stack Gas Temperature - 381 degrees K, and  
Stack Gas Velocity - 13.71 meters per second.

The limestone injection for sulfur dioxide emission reduction as proposed by Florida Crushed Stone will not significantly affect these stack gas parameters. There will be slight increases in both the stack gas flow rate and stack gas temperature, but the increases are within the limits accuracy for estimating the original stack gas flow rate and the stack gas temperature.

Florida Crushed Stone is proposing to introduce limestone at a rate of 2.3 tons per hour or at a calcium to sulfur mole ratio of 2 to 1. The introduction of this quantity of calcium carbonate will require 3.6 million BTU per hour to calcine the calcium carbonate. Assuming that 25 percent of the sulfur dioxide generated during the combustion of coal will be absorbed, 1.2 million BTU per hour will be recovered by the exothermic reaction by which sulfur dioxide combines with calcium oxide. This will leave a heat deficit of about 2.3 million BTU per hour or less than 0.2 percent of the total heat input

to the boiler. The additional coal burned to make up this deficit will result in an increase in the stack gas flow rate of about 0.2 percent or an increase in the stack gas velocity of approximately 0.02 meters per second.

The introduction of the limestone with the coal will also reduce the radiant heat transfer within the furnace cavity. There will, however, be an increased conductive heat transfer in the superheater section of the furnace. The net result will be a slight increase (2-4°F) in the flue gas temperature leaving the economizer section of the furnace. As with the increase in stack gas flow rate, this temperature increase is negligible and within the limits of error for estimating the original stack gas conditions.

Other changes in the Air Quality Review include a further reduction in particulate matter emissions from the Chemical Lime Company sources, increase in actual particulate matter emissions from one of the Florida Mining and Material sources and the inclusion of three fugitive dust sources within the proposed Florida Crushed Stone cement plant. The fugitive particulate matter sources associated with coal handling were included in this Air Quality Review just as they were in the previous review.

In correspondence transmitted to your office on March 18, 1983, it was stated that particulate matter emissions from the Chemical Lime Company sources would be reduced in order to reduce the maximum expected total suspended particulate matter levels resulting from all sources in the vicinity of the Florida Crushed Stone property. To further reduce this maximum expected total suspended particulate matter impact, the particulate matter emissions from the Chemical Lime Company sources are being further reduced to:

Particulate Matter (lb/hr)			
Source	Permit	Allowable	Actual
Kiln	A027-55581	21.7	16.0
Hydrator	A027-25269	14.0	12.5
Dryer	A027-50400	33.3	14.5
Bagging	A027-17352	12.0	5.0



The Chemical Line Company will agree to permit modifications reflecting these emission rates if required by FDER.

Also, in correspondence transmitted to your office on March 18, 1983, modeled particulate matter emission rates for the Florida Mining and Material sources were listed. In the revised Air Quality Review, the modeled emissions from the clinker silo (Source 10806) were increased from 1.7 to 5.0 pounds per hour. This provides a larger cushion between actual emissions and the emission rate used for modeling purposes.

The fugitive particulate matter sources within the proposed Florida Crushed Stone cement plant that were incorporated in the revised Air Quality Review include emissions from the iron ore storage area, emissions from the deep bucket conveyor and emissions from the cement distribution system. Emissions from the iron ore storage were estimated to be controlled by 90 percent by wetting. The resulting emission factor, applied to the iron ore throughput of 10,060 tons per year was, 0.034 pounds of particulate matter per ton of iron ore. This resulted in a fugitive particulate matter emission rate from this source is 0.18 tons per year.

Emissions from the deep bucket conveyor were estimated to 0.005 pounds per tons of cement produced and emissions from the cement distribution system were estimated to be 0.003 pounds per tons of cement produced. At a production rate of 600,000 tons per year, the emissions from the deep bucket conveyor will be 1.5 tons of fugitive particulate matter per year and the emissions from the cement distribution system will be 0.9 tons of fugitive particulate matter per year.

The results of the revised Air Quality Review show that the proposed cement plant and the power plant can be constructed without threatening ambient air quality standards or Class I or Class II PSD Increments. The modeling results to evaluate the impact on the Class I PSD area showed a maximum annual particulate matter impact of 0.1 microgram per cubic meter for Florida Crushed Stone sources and 0.8 micrograms per cubic meter for all new sources. This compares with an annual Class I PSD increment for particulate matter of 5 micrograms per cubic meter. For the 24-hour period, the maximum impact of particulate matter emissions from the Florida Crushed Stone sources will be 0.3 micrograms per cubic meter, while the maximum impact from all new sources will be 1.8 micrograms per cubic meter. These impacts compare with a Class I PSD increment for particulate matter of 10 micrograms per cubic meter.

For sulfur dioxide, the annual impact of emissions from the Florida Crushed Stone sources will be 0.3 micrograms per cubic meter and the maximum impact from all new sources will be 0.1 microgram per cubic meter. The reduction in maximum annual impacts when considering all sources is the result of emission reductions at the Florida Power Corporation Crystal River Plant and the Tampa Electric Company Big Bend Plant. The annual Class I PSD increment for sulfur dioxide is 2 micrograms per cubic meter. The maximum 24-hour impact of sulfur dioxide emissions from the Florida Crushed Stone plants will be 3.1 micrograms per cubic meter and the maximum impact from all new sources will be 3.3 micrograms per cubic meter. These compare with a 24-hour Class I PSD increment for sulfur dioxide of 5 micrograms per cubic meter.

For the 3-hour period, the maximum sulfur dioxide impact from Florida Crushed Stone sources will be 13.2 micrograms per cubic meter compared with a 3-hour Class I sulfur dioxide increment of 25 micrograms per cubic meter. The maximum impact of all new sources will be 15.3 micrograms per cubic meter. All of the Class I impact data are summarized in Table 1 which is attached hereto and which was hand delivered to your office on August 1, 1983.

The modeling results in the vicinity of the Florida Crushed Stone property show that the impacts of sulfur dioxide, particulate matter and nitrogen oxides are well below the Class II PSD increments for all time periods and further show that the maximum expected concentrations of these pollutants are well below applicable Air Quality Standards for all time periods. These data are summarized in Table 2 and Figures 2-12, all of which are attached and all of which were delivered to your office on August 1, 1983.

The short-term modeling results for sulfur dioxide show a maximum 3-hour impact of Florida Crushed Stone sources and a maximum impact of all new sources of 64 micrograms per cubic meter. These compare with a Class II sulfur dioxide PSD increment for the 3-hour period of 512 micrograms per cubic meter. The 3-hour modeling further shows a maximum impact of 256 micrograms per cubic meter for baseline sources and an impact of 266 micrograms for all sources; that is baseline sources plus new and proposed sources. These impacts compare with a 3-hour sulfur dioxide air quality standard of 1300 micrograms per cubic meter.

Sulfur dioxide modeling for the 24-hour period shows the maximum Florida Crushed Stone impact and the impact of all new sources to be 13 micrograms per cubic meter. This compares with a Class I PSD increment for sulfur dioxide for the 24-hour period of 91 micrograms per cubic meter. The 24-hour modeling for sulfur dioxide shows a

baseline source impact of 71 micrograms per cubic meter and an impact all sources (baseline plus new and proposed) of 65 micrograms per cubic meter. These impacts compare with a 24-hour quality standard for sulfur dioxide to 260 micrograms per cubic meter.

The annual modeling for sulfur dioxide impacts was conducted with the ISC-LT model. These modeling results shows a maximum impact from Florida Crushed Stone sources of 1 microgram per cubic meter and a maximum impact from all new sources of 4 micrograms per cubic meter. These impacts compare with the Class II PSD Increment for sulfur dioxide of 20 micrograms per cubic meter. The annual modeling shows that the impact of baseline sources and the impact of all sources (baseline plus new and proposed sources) are both 20 micrograms per cubic meter. These impacts compare with an annual sulfur dioxide air quality standard of 60 micrograms per cubic meter.

The particulate matter modeling for the short-term period was conducted with the ISC-ST model. These modeling results show the maximum 24-hour impact of Florida Crushed Stone sources and from all new sources both to be 18 micrograms per cubic meter. The impacts compare with a Class II PSD standard for particulate matter of 37 micrograms per cubic meter. The impact of baseline particulate matter sources for the 24-hour period was calculated to be 149 micrograms per cubic meter while the impact of all sources (baseline plus new and existing sources) was calculated to 146 micrograms per cubic meter. The reduction between the baseline period and the current time period is a reflection of the reduction in particulate matter emissions from Chemical Lime sources. The 24-hour particulate matter air quality standard is 150 micrograms per cubic meter.

The annual particulate matter modeling was conducted with the ISC-LT model. These modeling results show a maximum impact off Florida Crushed Stone property of 2 micrograms per cubic meter for Florida Crushed Stone sources and a maximum impact of new sources of 3 micrograms per cubic meter. These impacts compare with a Class II PSD Increment for particulate matter of 19 micrograms per cubic meter. The annual impact of baseline sources and all sources off, the Florida Crushed Stone property, was calculated to be 40 micrograms per cubic meter including a background concentration of 34 micrograms per cubic meter. These concentrations compare with an annual air quality standard for particulate matter of 60 micrograms per cubic meter.

The impact of nitrogen oxides emissions from the Florida Crushed Stone sources was evaluated with the ISC-LT model and again found to be 1 microgram per cubic meter; just as in the information previously submitted to your office. This impact compares with an annual air quality standard for nitrogen oxides of 100 micrograms per cubic

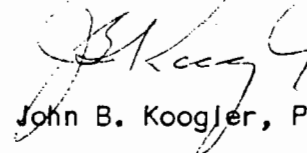
meter. The Impacts of carbon monoxide from the Florida Crushed Stone sources will be approximately 5 percent of the sulfur dioxide Impacts, or Impacts which are insignificant when compared with the carbon monoxide air quality standards.

The information hand delivered to your office on July 21, 1983 included the air quality modeling results that were used to evaluate the Impacts of emissions on the Class I PSD area and the results used to evaluate the maximum short-term sulfur dioxide and particulate matter Impacts in the vicinity of the Florida Crushed Stone property. The information delivered to your office on August 1, 1983 are modeling results used to evaluate the annual Impacts of sulfur dioxide, particulate matter, nitrogen oxides emissions in the vicinity of the Florida Crushed Stone property and the modeling results used to evaluate the results of short-term particulate matter Impacts in the vicinity of the Florida Crushed Stone property with reduced Chemical Lime emissions.

If there are any questions regarding any of this data, please contact me.

Very truly yours,

SHOLTES & KOOGLER,  
ENVIRONMENTAL CONSULTANTS, INC.



John B. Koogler, Ph.D., P.E.

JBK:ldh  
Enclosures

cc: Mr. Larry Curtin  
Mr. Dick Entorf

TABLE 1  
 SUMMARY OF NEW SOURCE IMPACTS  
 ON CLASS I PSD AREAS  
 FLORIDA CRUSHED STONE COMPANY  
 HERNANDO COUNTY, FLORIDA

Year	Sulfur Dioxide Impact (ug/m <sup>3</sup> )					
	Annual		24-Hour		3-Hour	
	FCS	All New	FCS	All New	FCS	All New
1973	0.3	< 0.1	2.7	2.9	11.4	13.0
1974	0.3	0.1	2.7	2.8	11.2	15.3
1975	0.3	0.1	3.1	3.1	13.2	13.4
1978	0.3	< 0.1	2.6	2.7	11.9	13.1
1979	0.3	0.1	2.9	3.3	10.2	13.6

Year	Particulate Matter Impact (ug/m <sup>3</sup> )			
	Annual		24-Hour	
	FCS	All New	FCS	All New
1973	0.1	0.3	0.7	1.7
1974	0.1	0.3	0.6	1.8
1975	0.1	0.3	0.7	< 1.8
1978	0.1	0.3	0.8	1.8
1979	0.1	0.3	0.8	< 1.8

Model: ISC-ST  
 Met Data: Tampa/Tampa  
 Years - 1973, 74, 75, 78, 79 (1976 & 77 not available)  
 Data pre-processed with FDER Program.

TABLE 2

SUMMARY OF AIR QUALITY REVIEW

FLORIDA CRUSHED STONE COMPANY  
HERNANDO COUNTY, FLORIDA

Pollutant	Maximum Impact in Hernando County (ug/m <sup>3</sup> )			
	FCS	All New Sources	Baseline Sources	All Sources
SO <sub>2</sub> <sup>(1)</sup>				
Annual <sup>(2)</sup>	1	4 (20) <sup>(3)</sup>	20	20 (60)
3-Hour	64	64 (512)	256	266 (1300)
24-Hour	13	13 (91)	71	65 (260)
Particulate Matter <sup>(4)</sup>				
Annual <sup>(2)</sup>	2	3 (19)	40 <sup>(5)</sup>	40 <sup>(5)</sup> (60)
24-Hour	18	18 (37)	149 <sup>(5)</sup>	146 <sup>(5)</sup> (150)
NO <sub>x</sub> <sup>(6)</sup>				
Annual	1 (100)	--	--	--

- (1) SO<sub>2</sub> background is zero for all time periods; see monitoring data in original application.
- (2) Annual impact from ISC-LT model off FCS property.
- (3) Numbers in parentheses are applicable standards.
- (4) 24-Hour background is 112 ug/m<sup>3</sup> and annual background is 34 ug/m<sup>3</sup>; see original application.
- (5) Includes Background.
- (6) Unchanged from revised application for power plant dated October, 1982.

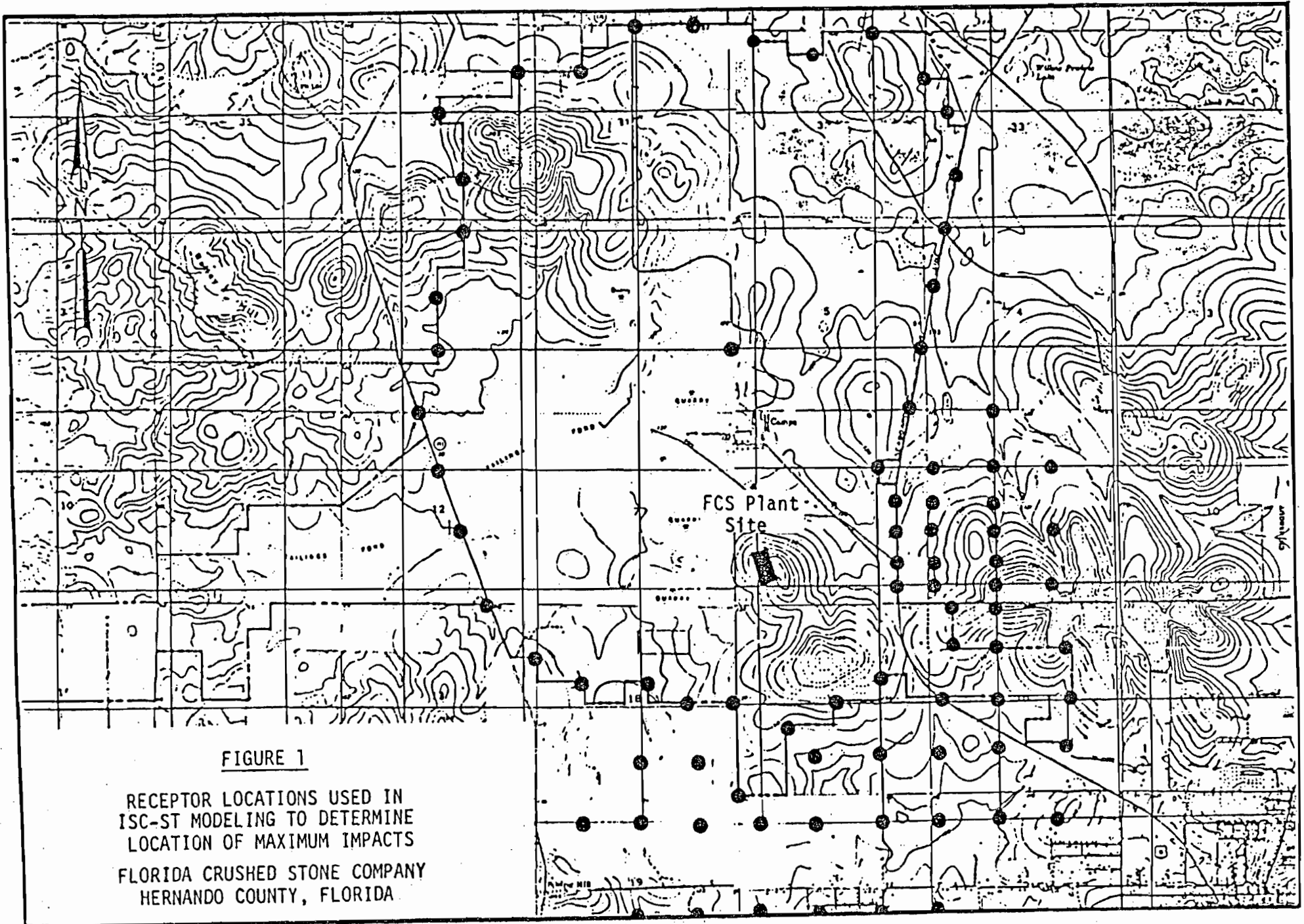
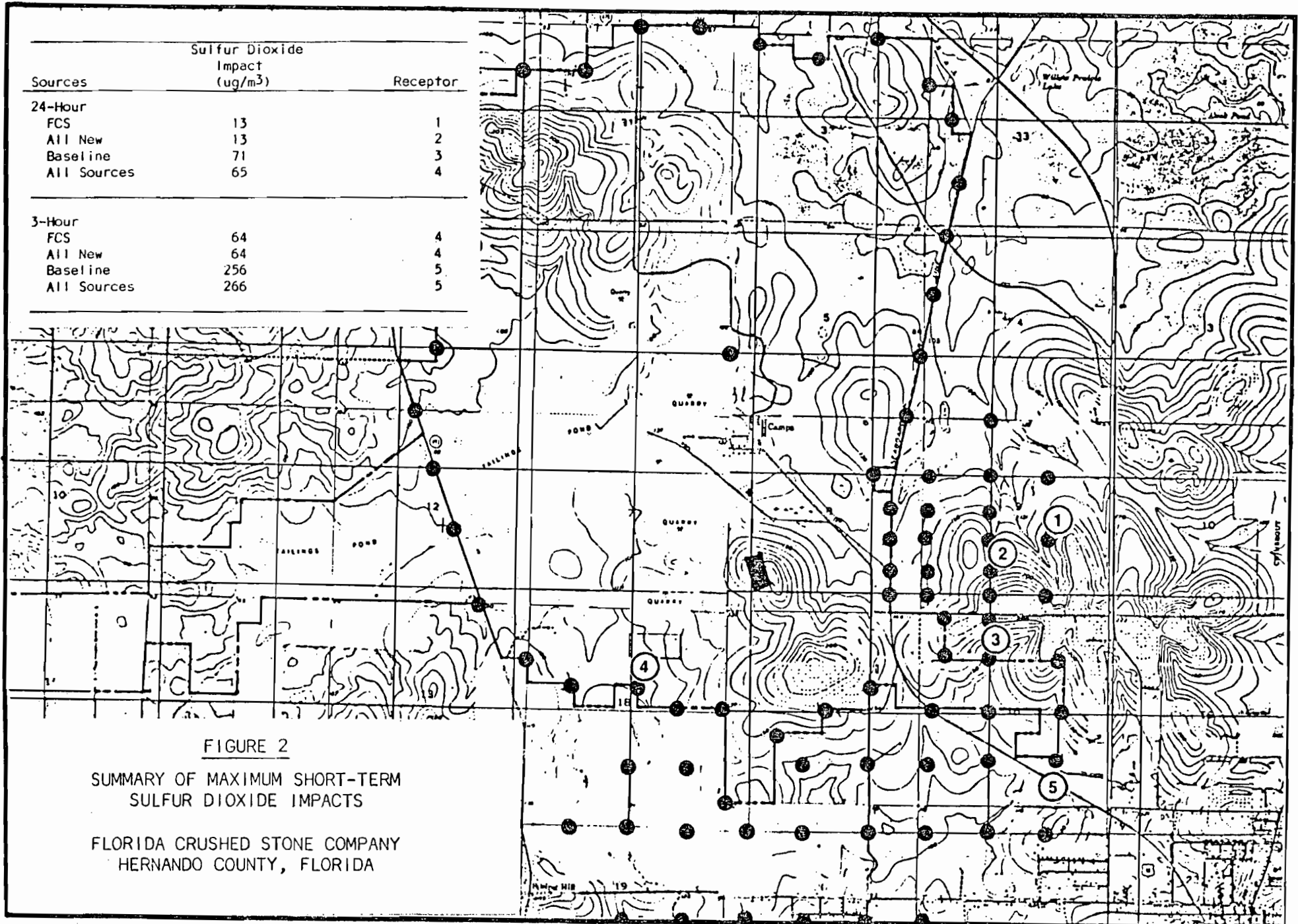


FIGURE 1

RECEPTOR LOCATIONS USED IN  
ISC-ST MODELING TO DETERMINE  
LOCATION OF MAXIMUM IMPACTS  
FLORIDA CRUSHED STONE COMPANY  
HERNANDO COUNTY, FLORIDA



Sources	Sulfur Dioxide Impact (ug/m <sup>3</sup> )	Receptor
<b>24-Hour</b>		
FCS	13	1
All New	13	2
Baseline	71	3
All Sources	65	4
<b>3-Hour</b>		
FCS	64	4
All New	64	4
Baseline	256	5
All Sources	266	5

FIGURE 2

SUMMARY OF MAXIMUM SHORT-TERM  
SULFUR DIOXIDE IMPACTS

FLORIDA CRUSHED STONE COMPANY  
HERNANDO COUNTY, FLORIDA



Particulate Matter		
Sources	Impact ( $\mu\text{g}/\text{m}^3$ )	Receptor
24-Hour		
FCS	18	1
New Sources	17	1
New Sources	18	1
Baseline	149*	2
All Sources	144*	3
All Sources	146*	2

\* Includes  $112 \mu\text{g}/\text{m}^3$  background.

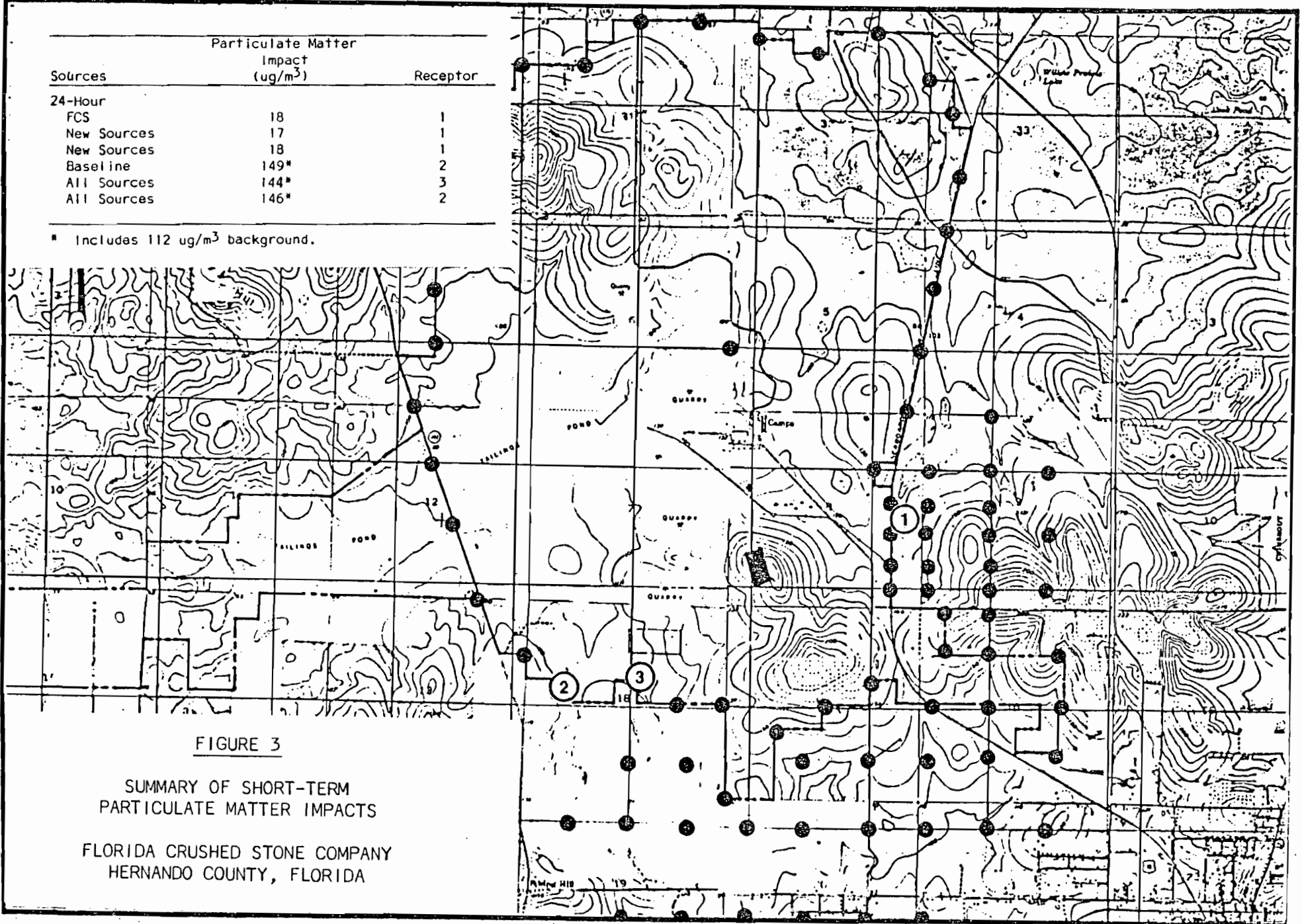


FIGURE 3

SUMMARY OF SHORT-TERM  
PARTICULATE MATTER IMPACTS

FLORIDA CRUSHED STONE COMPANY  
HERNANDO COUNTY, FLORIDA

SOURCE LIST

1. Florida Crushed Stone
2. Adams Construction Company - asphalt plant
3. Chemical Lime - Lime products
4. Dairy Services - Citrus processing
5. Deltona Corporation - asphalt plant
6. Dixie Lime and Stone - Lime products and aggregate
7. Evans Packing - Citrus processing
8. Florida Mining and Materials - Cement Plant
9. Florida Power Corporation - Anclote Plant
10. Florida Power Corporation - Bartow Plant
11. Florida Power Corporation - Crystal River Plant
12. Florida Power Corporation - Higgins Plant
13. Hernando Concrete - Concrete Batching
14. Lykes Pasco - Citrus processing
15. TECO - Big Bend Plant
16. TECO - Gannon Plant
17. TECO - Hookers Point Plant
18. West Coast Concrete - Concrete Batching

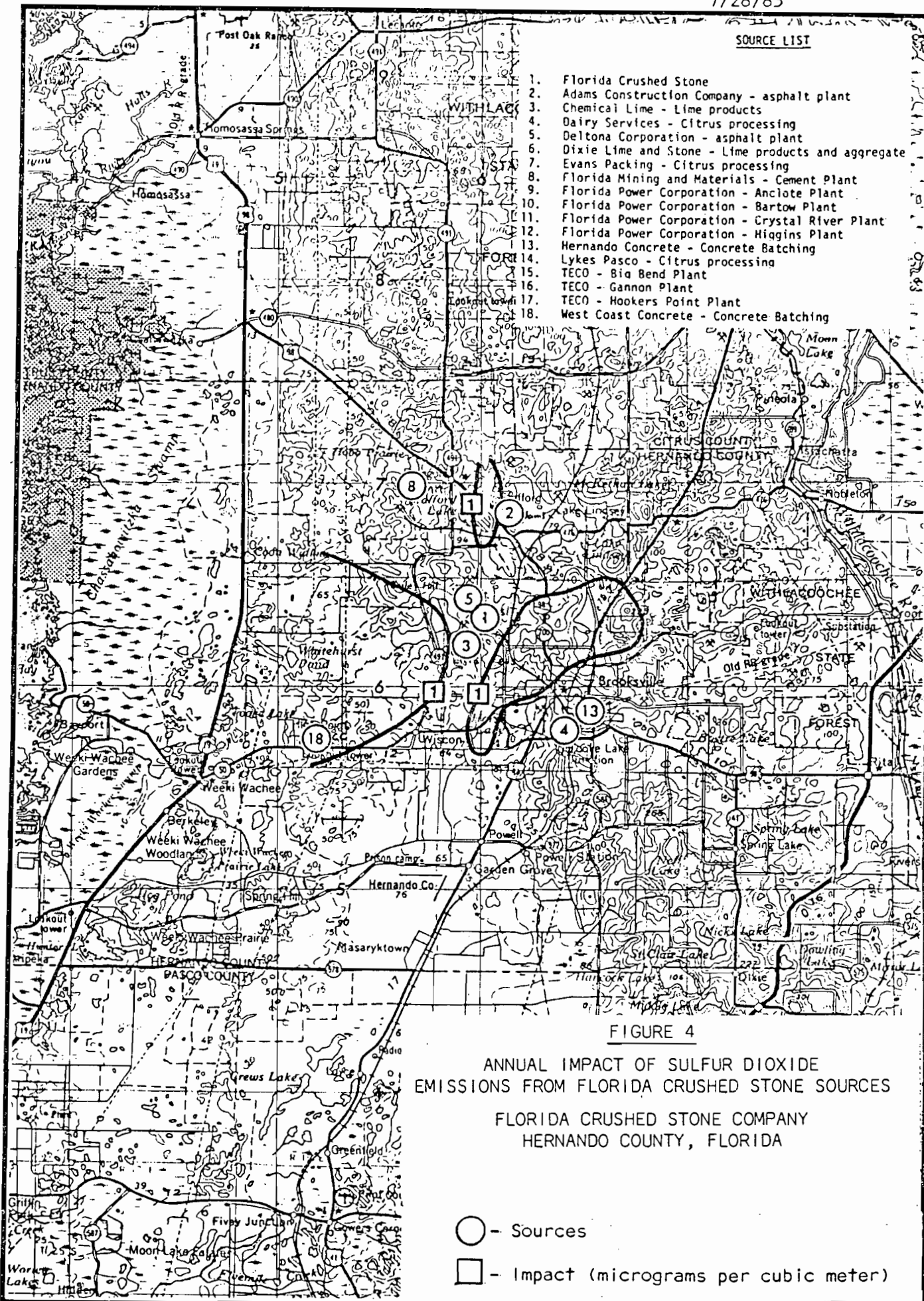
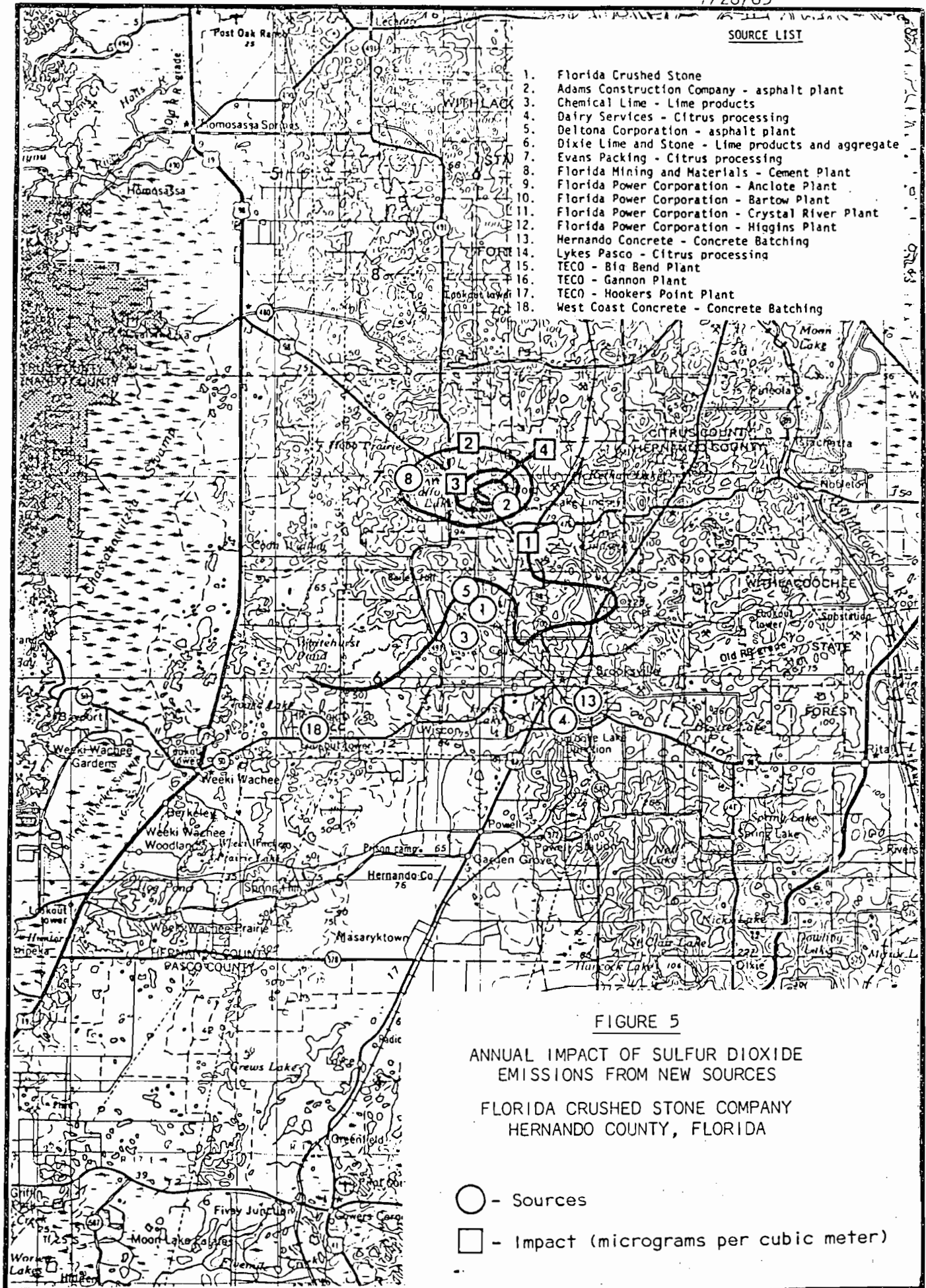


FIGURE 4

ANNUAL IMPACT OF SULFUR DIOXIDE  
 EMISSIONS FROM FLORIDA CRUSHED STONE  
 FLORIDA CRUSHED STONE COMPANY  
 HERNANDO COUNTY, FLORIDA

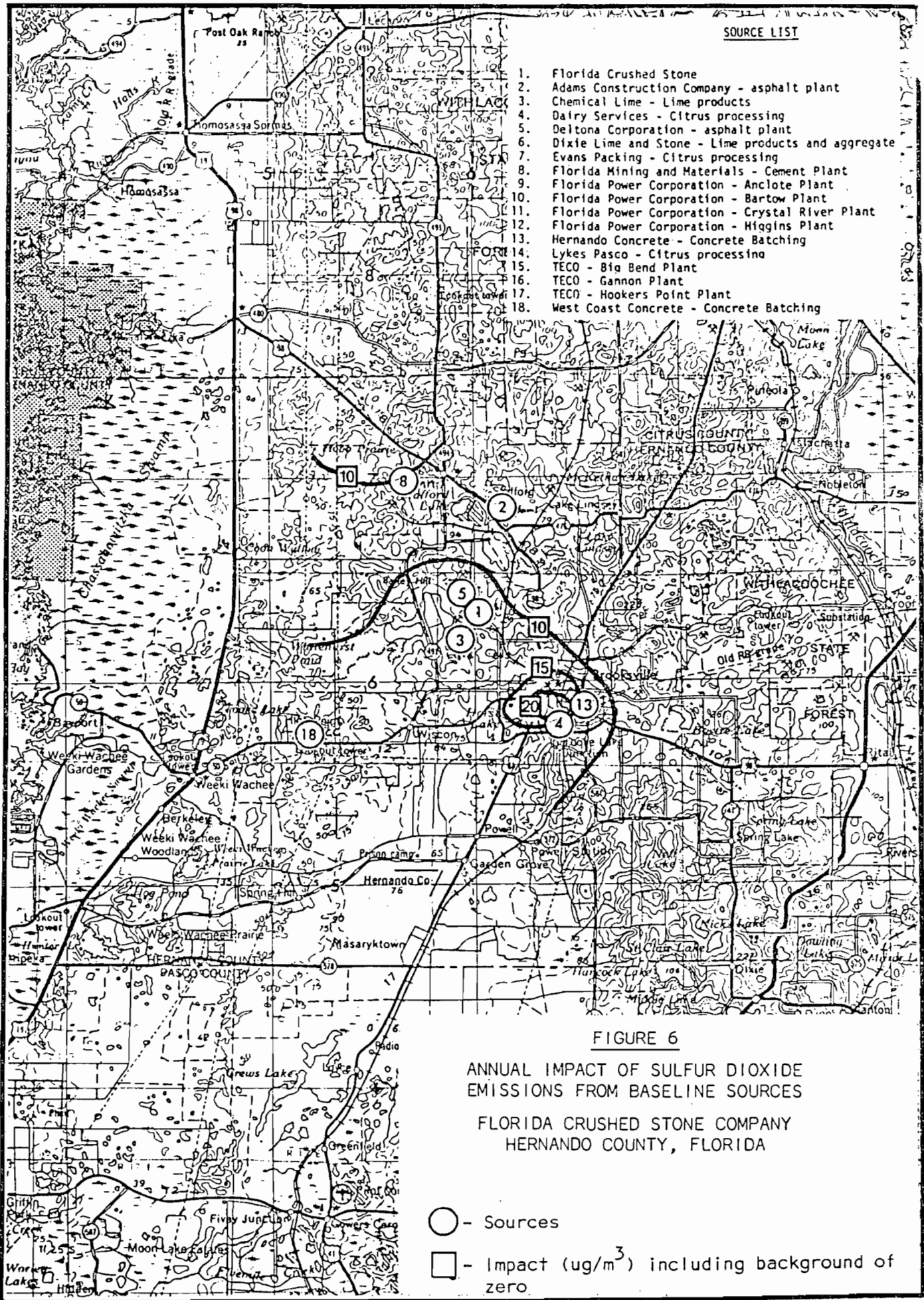
- - Sources
- - Impact (micrograms per cubic meter)

7/28/83





7/28/83



SOURCE LIST

1. Florida Crushed Stone
2. Adams Construction Company - asphalt plant
3. Chemical Lime - Lime products
4. Dairy Services - Citrus processing
5. Deltona Corporation - asphalt plant
6. Dixie Lime and Stone - Lime products and aggregate
7. Evans Packing - Citrus processing
8. Florida Mining and Materials - Cement Plant
9. Florida Power Corporation - Anclote Plant
10. Florida Power Corporation - Bartow Plant
11. Florida Power Corporation - Crystal River Plant
12. Florida Power Corporation - Higgins Plant
13. Hernando Concrete - Concrete Batching
14. Lykes Pasco - Citrus processing
15. TECO - Big Bend Plant
16. TECO - Gannon Plant
17. TECO - Hookers Point Plant
18. West Coast Concrete - Concrete Batching

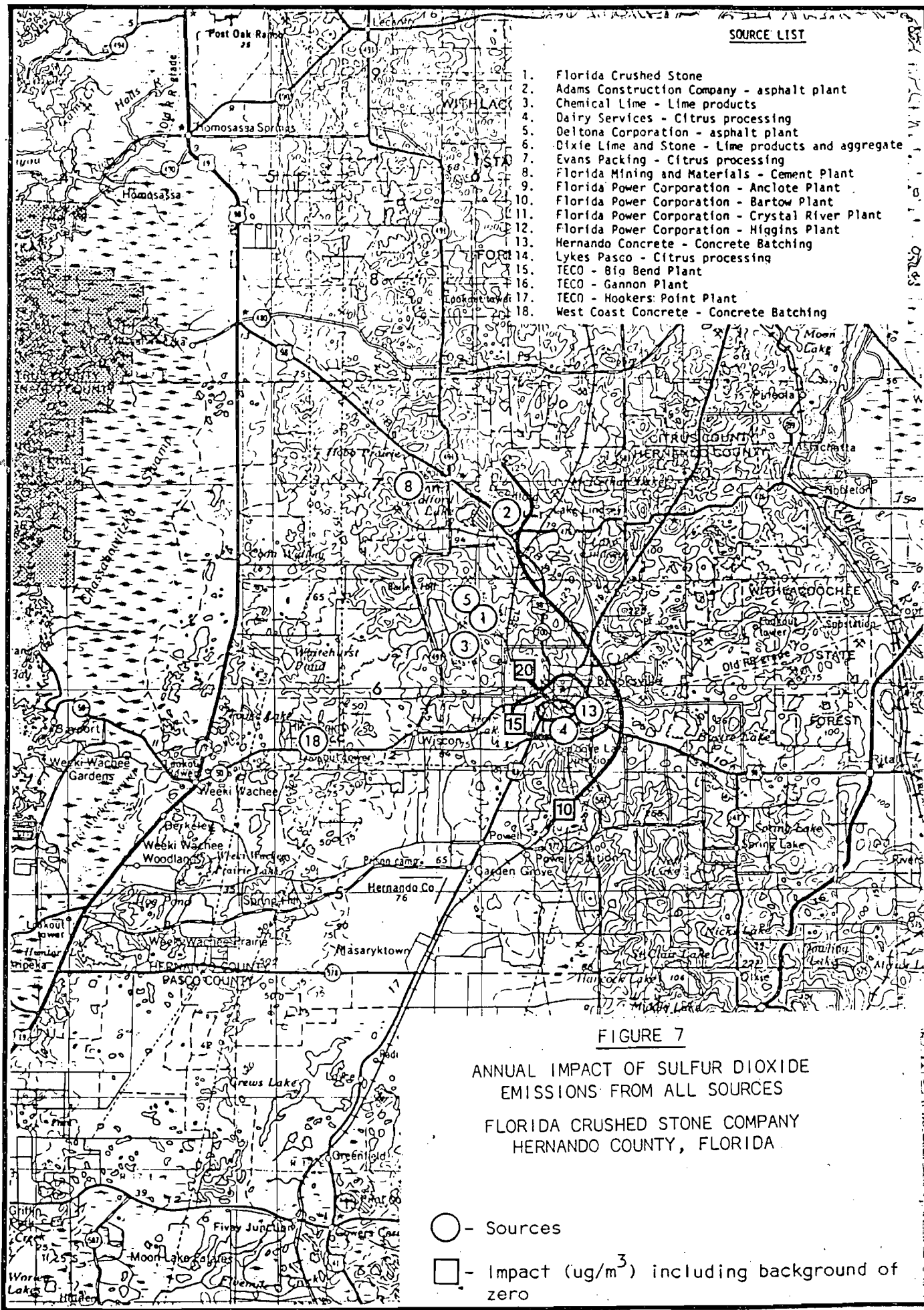
FIGURE 6

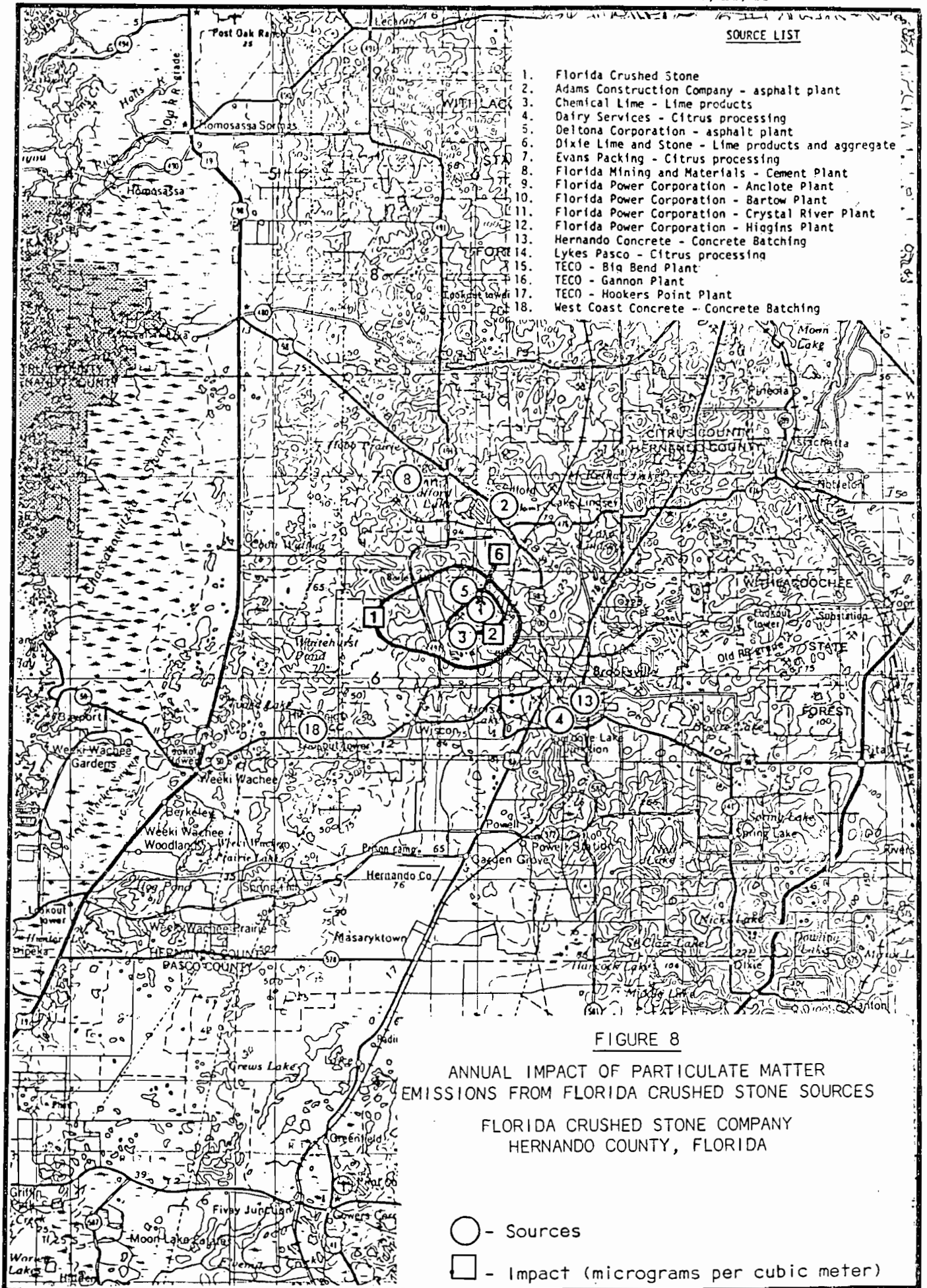
ANNUAL IMPACT OF SULFUR DIOXIDE EMISSIONS FROM BASELINE SOURCES

FLORIDA CRUSHED STONE COMPANY  
HERNANDO COUNTY, FLORIDA

- - Sources
- - Impact ( $\mu\text{g}/\text{m}^3$ ) including background of zero.

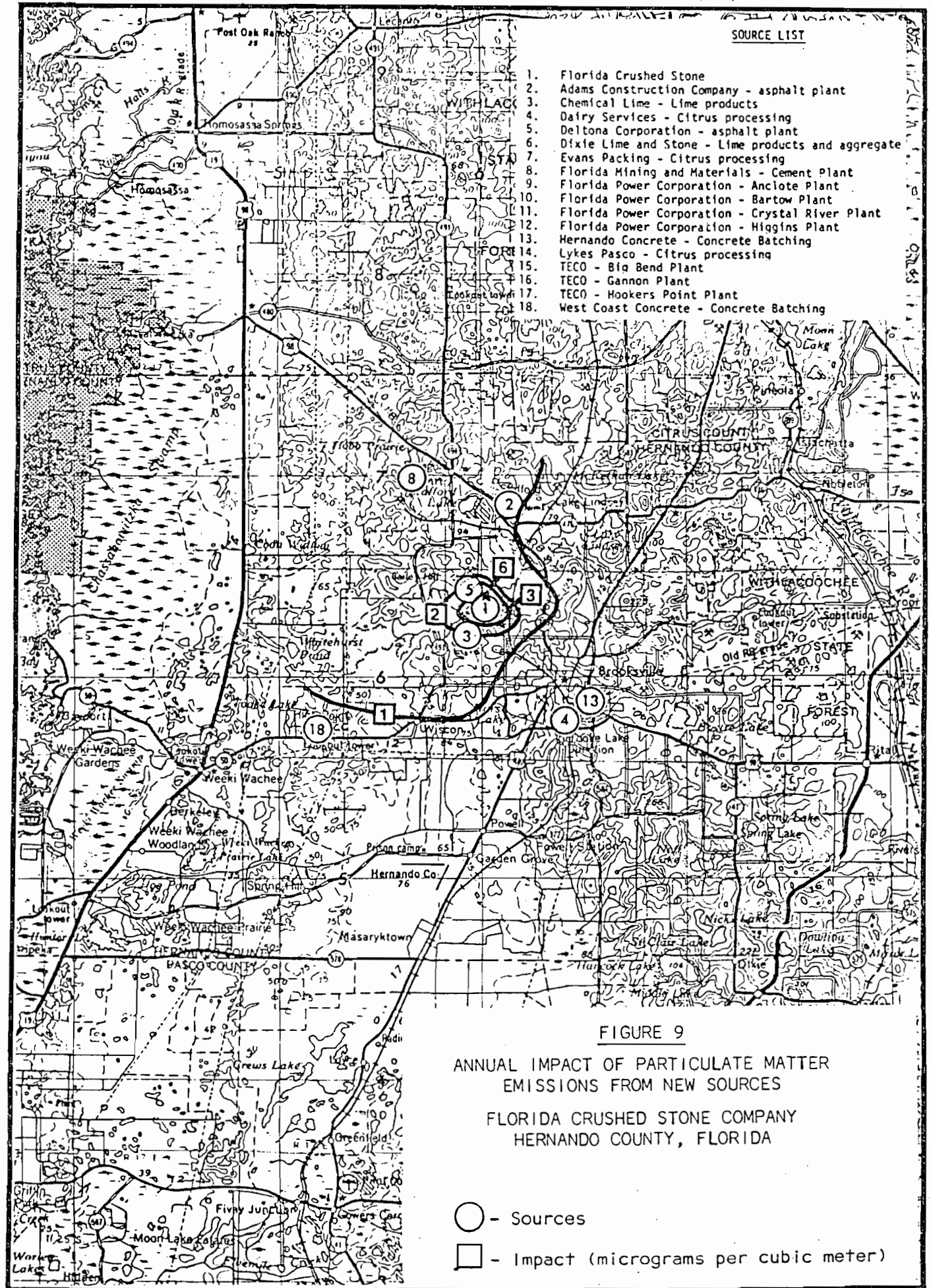
7/28/83



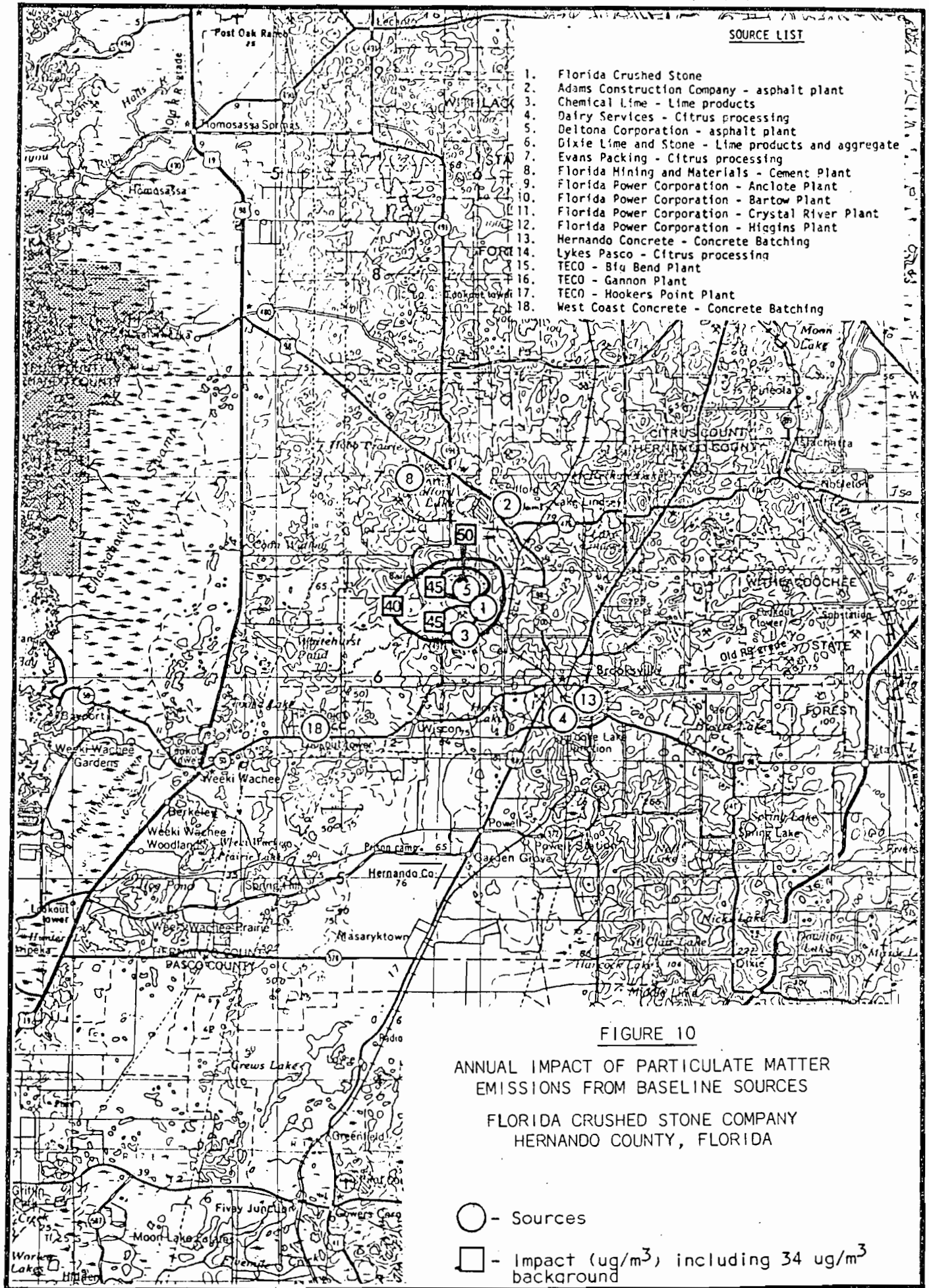




7/28/83



7/28/83



SOURCE LIST

1. Florida Crushed Stone
2. Adams Construction Company - asphalt plant
3. Chemical Lime - Lime products
4. Dairy Services - Citrus processing
5. Deltona Corporation - asphalt plant
6. Dixie Lime and Stone - Lime products and aggregate
7. Evans Packing - Citrus processing
8. Florida Mining and Materials - Cement Plant
9. Florida Power Corporation - Anclote Plant
10. Florida Power Corporation - Bartow Plant
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13. Hernando Concrete - Concrete Batching
14. Lykes Pasco - Citrus processing
15. TECO - Bfu Bend Plant
16. TECO - Gannon Plant
17. TECO - Hookers Point Plant
18. West Coast Concrete - Concrete Batching

FIGURE 10

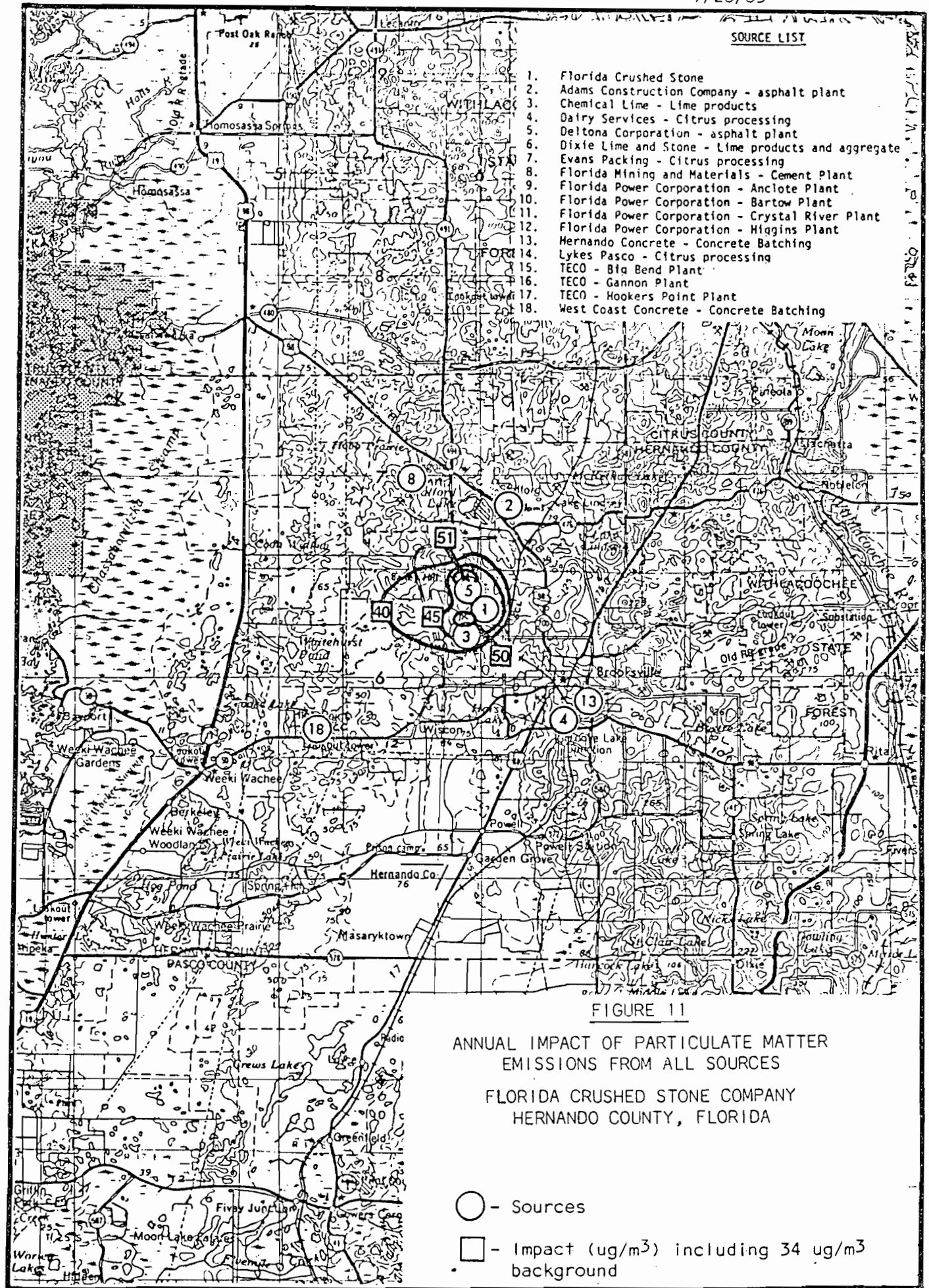
ANNUAL IMPACT OF PARTICULATE MATTER EMISSIONS FROM BASELINE SOURCES

FLORIDA CRUSHED STONE COMPANY  
HERNANDO COUNTY, FLORIDA

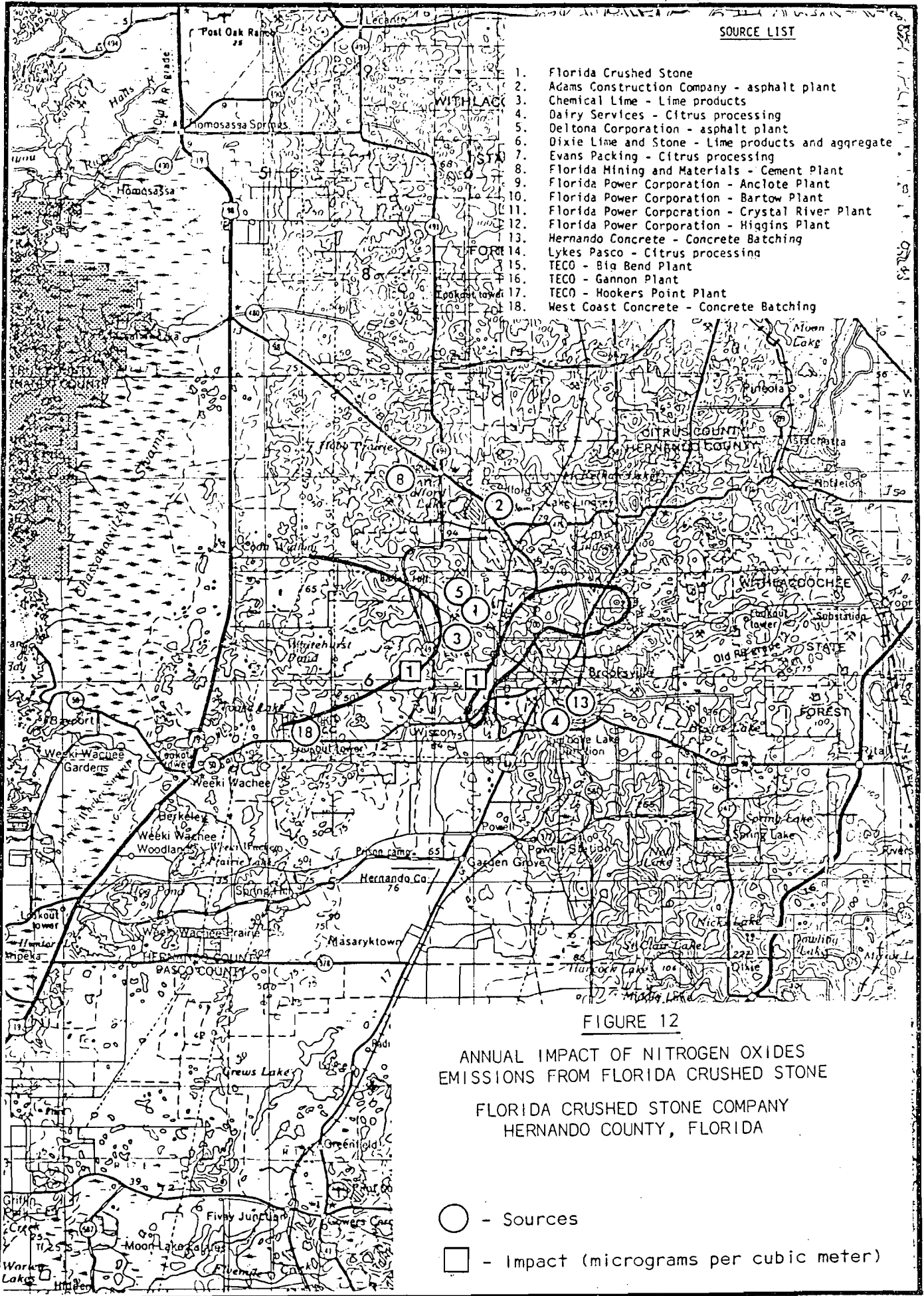
- - Sources
- - Impact ( $\mu\text{g}/\text{m}^3$ ) including  $34 \mu\text{g}/\text{m}^3$  background



7/28/83



7/28/83





SHOLTÈS & KOOGLER, ENVIRONMENTAL CONSULTANTS  
1213 N.W. 5th Street Gainesville, Florida 32601 (904) 377-5822

SKEC 307-82-02

October 3, 1983

Mr. Cleve Holladay  
Florida Department of  
Environmental Regulation  
Northwest District Branch Office  
2600 Blair Stone Road  
Tallahassee, Florida 32301

Subject: Florida Crushed Stone Company  
Annual Average Particulate Matter Impacts

Dear Cleve,

In response to our recent telephone conversation, I have evaluated the annual average particulate matter impacts of several of the sources included in the Florida Crushed Stone Air Quality Review. Specifically, I made a model run with the ISC-LT model to evaluate the annual average impact of (1) Florida Crushed Stone sources, (2) the baseline sources and (3) all sources. In evaluating the impact of baseline sources and all sources, I used permitted emission rates from all Florida Mining and Material sources, emission rates as set forth in my letter of August 1, 1983 for Chemical Lime Company sources and emission rates for all other sources that are consistent with emission rates that have been used in previous modeling. The model run was identical to those long-term runs reported in my August 1, 1983 letter, except that the grid system was moved to the north so that the maximum impact in the vicinity of Florida Mining and Materials could be evaluated.

The results of the modeling show the following impacts in the vicinity of Florida Crushed Stone:

1. Florida Crushed Stone Sources - 6 micrograms per cubic meter impact.
2. Baseline Sources - 50 micrograms per cubic meter, including 34 micrograms per cubic meter background.
3. All Sources - 51 micrograms per cubic meter, including 34 micrograms per cubic meter background.

The maximum impacts calculated in the vicinity of Florida Mining and Materials were:

1. Florida Crushed Stone Sources - 0.1 microgram per cubic meter.
2. Baseline Sources - 54 micrograms per cubic meter, including 34 micrograms per cubic meter background.
3. All Sources - 56 micrograms per cubic meter, including 34 micrograms per cubic meter background.

The results of this air quality modeling demonstrate that Florida Crushed Stone sources do not significantly impact the area around Florida Mining and Materials and further show that even with Florida Mining and Materials sources emitting at permitted emission rates, there is no violation of the annual particulate matter standard anywhere in the study area. A copy of the computer print-out from which this information was derived is attached.

If you have any questions regarding the information contained herein, please feel free to give me a call.

Very truly yours,

SHOLTES & KOOGLER,  
ENVIRONMENTAL CONSULTANTS, INC.

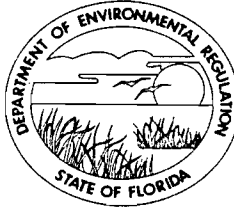
  
John B. Koogler, Ph.D., P.E.

JBK:ldh  
Enclosures

cc: Mr. Richard Entorf  
Mr. Larry Curtin

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61042  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 48"N/  
82° 25' 49"W  
Project: Cement Silo (Q-15C)

This permit is issued under the provisions of Chapter(s) 403  
17-2 and 17-4, Florida Statutes, and Florida Administrative Code Rule(s)  
17-2 and 17-4. The above named permittee is hereby  
authorized to perform the work or operate the facility shown on  
the application and approved drawing(s), plans, and other  
documents attached hereto or on file with the department and made  
a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour  
clinker product at Florida Crushed Stone Company's existing mining  
site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit  
application and additional information except as otherwise noted  
on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61042  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61042  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61042  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61042  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. The allowable particulate emission rate from the cement silo baghouse shall be 0.6 pound per hour.

2. The hours of operation shall not exceed 8760 hours per year.

3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61042  
Expiration Date: December 31, 1985

**SPECIFIC CONDITIONS:**

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

**STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION**

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61041  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 48"N/  
82° 25' 49"W  
Project: Cement Silo (Q-15B)

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61041  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61041  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61041  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61041  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the cement silo baghouse shall be 0.6 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61041  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61040  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 48"N/  
82° 25' 49"W  
Project: Cement Silo (Q-15A)

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61040  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61040  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61040  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

BEST AVAILABLE COPY

ePERMITTEE:

Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:

Permit Number: AC 27-61040

Expiration Date: December 31, 1985

GENERAL CONDITIONS:

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. The allowable particulate emission rate from the cement silo baghouse shall be 0.6 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

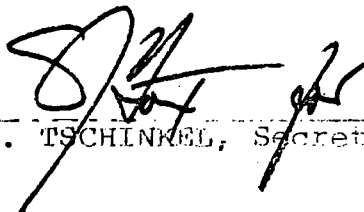
I. D. Number:  
Permit Number: AC 27-61040  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61038  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 47"N/  
82° 25' 49"W  
Project: Cement Silo Discharge

This permit is issued under the provisions of Chapter(s) 403  
17-2 and 17-4, Florida Statutes, and Florida Administrative Code Rule(s)  
17-2 and 17-4. The above named permittee is hereby  
authorized to perform the work or operate the facility shown on  
the application and approved drawing(s), plans, and other  
documents attached hereto or on file with the department and made  
a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour  
clinker product at Florida Crushed Stone Company's existing mining  
site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit  
application and additional information except as otherwise noted  
on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61038  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61038  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61038  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

**ePERMITTEE:**

Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

**I. D. Number:**

Permit Number: AC 27-61038  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the cement silo discharge baghouse shall be 0.6 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61038  
Expiration Date: December 31, 1985

**SPECIFIC CONDITIONS:**

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKE, Secretary

\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

**Permit Number:** AC 27-61037  
**Expiration Date:** December 31, 1985  
**County:** Hernando  
**Latitude/Longitude:** 28° 34' 49"N/  
82° 25' 49"W  
**Project:** Finish Mill

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61037  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61037  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61037  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61037  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the finish mill baghouse shall be 6.4 pounds per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

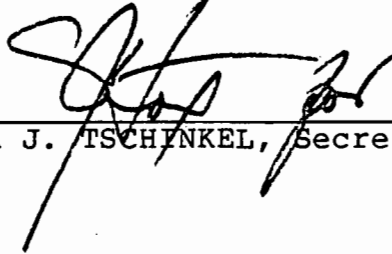
I. D. Number:  
Permit Number: AC 27-61037  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov, 1983

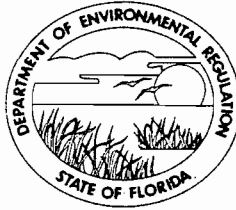
STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61033  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 48"N/  
82° 25' 50"W  
Project: Silo Discharge

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61033  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61033  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61033  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61033  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the silo discharge baghouse shall be 1.8 pounds per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61033  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61032  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 49"N/  
82° 25' 49"W  
Project: Clinker Silo (L-08)

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61032  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61032  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61032  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
**GENERAL CONDITIONS:**

**I. D. Number:**  
**Permit Number:** AC 27-61032  
**Expiration Date:** December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the clinker silo baghouse shall be 0.6 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61032  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61030  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 48"N/  
82° 25' 49"W  
Project: Clinker Silo (L-06)

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61030  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61030  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61030  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61030  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the clinker silo baghouse shall be 0.8 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61030  
Expiration Date: December 31, 1985

**SPECIFIC CONDITIONS:**

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

**STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION**

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

**Permit Number:** AC 27-61027  
**Expiration Date:** December 31, 1985  
**County:** Hernando  
**Latitude/Longitude:** 28° 34' 51"N/  
82° 25' 50"W  
**Project:** Cooler Discharge

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61027  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61027  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61027  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61030  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the clinker silo baghouse shall be 0.8 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61027  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

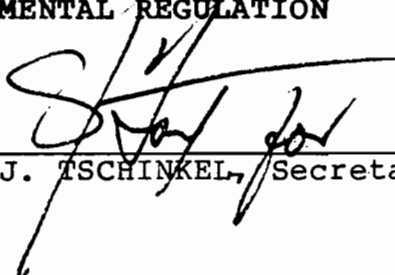
4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61026  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 51"N/  
82° 25' 50"W  
Project: Raw Coal Handling

This permit is issued under the provisions of Chapter(s) 403  
17-2 and 17-4, Florida Statutes, and Florida Administrative Code Rule(s)  
17-2 and 17-4. The above named permittee is hereby  
authorized to perform the work or operate the facility shown on  
the application and approved drawing(s), plans, and other  
documents attached hereto or on file with the department and made  
a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour  
clinker product at Florida Crushed Stone Company's existing mining  
site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit  
application and additional information except as otherwise noted  
on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61026  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61026  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61026  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61026  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. The allowable particulate emission rate from the raw coal handling baghouse shall be 0.8 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61026  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.
7. A water spray system shall be installed and used as necessary to control fugitive dust emissions during coal unloading operation from train cars to the receiving area.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61021  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 54"N/  
82° 25' 52"W  
Project: Kiln Feed

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61021  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

eERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61021  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61021  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
**GENERAL CONDITIONS:**

**I. D. Number:**  
**Permit Number:** AC 27-61021  
**Expiration Date:** December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the kiln feed baghouse shall be 0.8 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61021  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

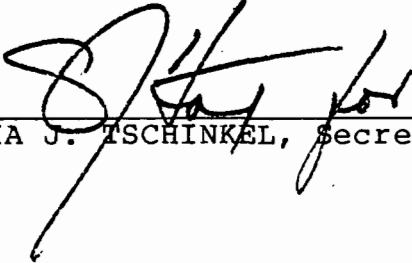
4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

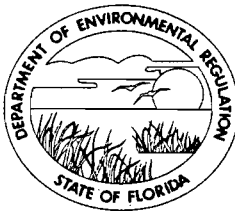
STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61020  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 54"N/  
82° 25' 52"W  
Project: Blending Silo

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61020  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61020  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61020  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61020  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. The allowable particulate emission rate from the blending silo baghouse shall be 3.3 pounds per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61020  
Expiration Date: December 31, 1985

**SPECIFIC CONDITIONS:**

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

**STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION**

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61019  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 35' 00"N/  
82° 25' 55"W  
Project: Raw Materials Bin

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61019  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61019  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61019  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61019  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the raw materials baghouse shall be 0.8 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61019  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

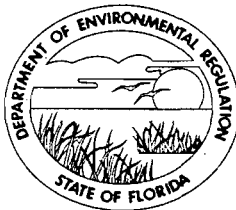
STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

**Permit Number:** AC 27-61017  
**Expiration Date:** December 31, 1985  
**County:** Hernando  
**Latitude/Longitude:** 28° 34' 55"N/  
82° 25' 52"W  
**Project:** Raw Meal Transfer

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61017  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61017  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61017  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61017  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the raw mill baghouse shall be 0.3 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61017  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

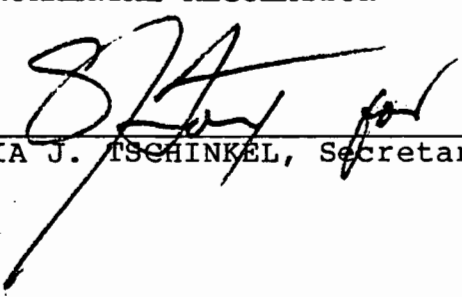
4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).

5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61016  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 57"N/  
82° 25' 53"W  
Project: Cement Kiln, Clinker  
Cooler, Dryer and Raw Mill

This permit is issued under the provisions of Chapter(s) 403  
17-2 and 17-4, Florida Statutes, and Florida Administrative Code Rule(s)  
17-2 and 17-4. The above named permittee is hereby  
authorized to perform the work or operate the facility shown on  
the application and approved drawing(s), plans, and other  
documents attached hereto or on file with the department and made  
a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour  
cement product at Florida Crushed Stone Company's existing mining  
site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit  
application and additional information except as otherwise noted  
on pages 5, 6, and 7, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61016  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61016  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61016  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
**GENERAL CONDITIONS:**

**I. D. Number:**  
**Permit Number:** AC 27-61016  
**Expiration Date:** December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. Except as required pursuant to DER's BACT determination (attached) the proposed cement plant construction shall be carried out in accordance with the statements in the application and additional information supplied by the permittee.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I.D. Number:  
Permit Number: AC 27-61016  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

2. The emission rates from the kiln and cooler shall not exceed the emission limits and maximum allowable emissions listed below:

<u>Pollutant</u>	<u>Emission Limits</u>	<u>Maximum Allowable Emissions</u>	
	<u>lb/ton of kiln feed</u>	<u>lb/hr</u>	<u>tons/yr</u>
PM (cooler)	0.1	12.4	54
PM (kiln)	0.3	37.1	162
SO <sub>2</sub>	0.6	74.3	325
NO <sub>x</sub>	2.9	359.0	1572

3. The hours of operation of the cement plant shall not exceed 8,760 hours per year.

4. Visible emissions from the kiln, cooler, dryer or raw mill shall not be greater than 10 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

5. Compliance with the particulate emission limits in specific condition No. 2 shall be demonstrated in accordance with the EPA Reference Method 5 in Appendix A, 40 CFR 60, as set forth in subsection 60.64 of the NSPS for Portland Cement Plants, 40 CFR 60.60.

6. Compliance with the SO<sub>2</sub> and NO<sub>x</sub> emission limits in specific condition No. 2 shall be demonstrated in accordance with EPA Methods 6 and 7, respectively, in 40 CFR 60, Appendix A.

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

8. Instruments shall be installed, calibrated, and maintained to continuously measure the amounts of coal used in the kiln, 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 DER Southwest District office.

9. In accordance with Rule 17-2.700(4), FAC, the stack sampling configuration of the proposed kiln shall comply with the minimum of 2D downstream and 0.5 upstream distances to any fan, bend, constriction, or other flow disturbance.

10. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61016  
Expiration Date: December 31, 1985

**SPECIFIC CONDITIONS:**

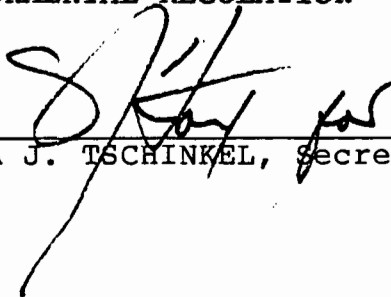
11. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to the DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.

12. Prior to submitting an application for an operating permit, the permittee shall request that the allowable particulate emission rates from the following Chemical Lime Company sources be reduced to the following values:

<u>Sources</u>	<u>Permit No.</u>	<u>Particulate Emission Limit (lb/hr)</u>
Kiln	AO 27-55581	18.0
Hydrator	AO 27-25269	14.0
Dryer	AO 27-50400	16.0
Bagging	AO 27-17352	6.0

Issued this 10 day of Nov., 1983

**STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION**

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61013  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 34' 55"N/  
82° 25' 53"W  
Project: Fly Ash Bin

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61013  
Expiration Date: December 31, 1985

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61013  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61013  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61013  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the fly ash bin baghouse shall be 0.6 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61013  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit, in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_\_\_ pages attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

**PERMITTEE:**  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

Permit Number: AC 27-61012  
Expiration Date: December 31, 1985  
County: Hernando  
Latitude/Longitude: 28° 35' 00"N/  
82° 25' 53"W  
Project: Pre Mix Bin

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a cement plant with 75 tons per hour clinker product at Florida Crushed Stone Company's existing mining site in Brooksville, Hernando County, Florida.

Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, Specific Conditions.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61012  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or 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. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61012  
Expiration Date: December 31, 1985

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.



PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

I. D. Number:  
Permit Number: AC 27-61012  
Expiration Date: December 31, 1985

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-61012  
Expiration Date: December 31, 1985

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. The allowable particulate emission rate from the pre mix bin baghouse shall be 0.6 pound per hour.
2. The hours of operation shall not exceed 8760 hours per year.
3. Visible emissions shall not be greater than 5 percent opacity demonstrated in accordance with DER Method 9 (Rule 17-2.700(b)(a)9., FAC).

PERMITTEE:  
Florida Crushed Stone Co.  
P. O. Box 317  
Leesburg, FL 32748

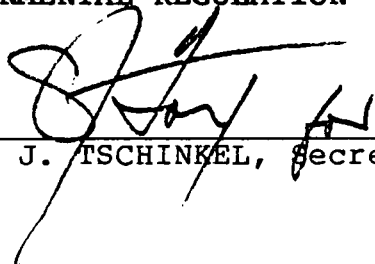
I. D. Number:  
Permit Number: AC 27-61012  
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Compliance with the particulate emission limit in Specific Condition No. 1 shall be demonstrated by EPA Method 5 or 17 (Appendix A, 40 CFR 60).
5. Prior to 90 days before the expiration of this permit, a complete application for an operating permit shall be submitted to DER Southwest District office. Full operation of the source may then be conducted in compliance with the terms of this permit until its expiration or until receipt of an operating permit.
6. Reasonable precautions to prevent fugitive particulate emissions at the site, such as the application of dust suppressants on roads and the construction site, landscaping and planting of vegetation, shall be taken by the permittee.

Issued this 10 day of Nov., 1983

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) DETERMINATION  
Florida Crushed Stone Company  
Hernando County  
(Amended April 6, 1982)

(This amended BACT determination supersedes the determination dated January 12, 1983. The applicant added one additional baghouse to Table 1 and reduced the expected amount of pollutants to be discharged in the kiln exhaust gases.)

The applicant plans to construct a Portland cement production facility two miles northwest of Brooksville, Florida. The manufacturing processes will use the latest innovations in dry cement technology and recirculation of hot exhaust gas streams to conserve energy. Baghouses will be used to limit the amount of particulate matter discharged into the atmosphere. The facility is designed to produce 600,000 tons of Portland cement per year. The operating schedule will be between 7620 and 8760 hours per year.

The maximum heat input to the cement kiln is 248 million Btu per hour and the design production rate is 75 tons of clinker per hour. The cement kiln when fired at maximum heat input will consume 10.3 tons of coal per hour and 9.25 tons per hour at the average firing rate. The coal used will have a sulfur content of 0.75 percent and a heating value of approximately 12,000 Btu per pound. The hot exhaust gases from the cement kiln are cooled in the kiln feed preheater and a rotary dryer before discharging through a baghouse into the atmosphere. Clinker from the kiln is reduced in temperature in a clinker cooler. The heated air discharge from the clinker cooler is used as pre-heated combustion air for the kiln and the power plant boiler.

The power plant boiler is designed to produce steam in excess of the cement plant requirements. The excess steam will be used to produce up to 125 megawatts of electrical power. The power plant will be reviewed by the Electrical Power Plant Siting Section as set forth in Chapter 17-17 of the Florida Administrative Code. This information is included in this determination because one large baghouse will control particulate emissions from gas streams ducted from both the power plant and portions of the cement plant.

The movement of raw materials, recycled materials, and product will be through enclosed transfer systems. All gas streams from the various transfer systems will vent through a baghouse into the ambient air. Table 1 lists the various point sources.

TABLE 1  
BAGHOUSE INVENTORY

<u>AC-27 Permit</u>	<u>SOURCE</u>	<u>LB.PM/HR</u>	<u>TPY</u>	<u>IDENT.**</u>
61021	Kiln Feed	0.8	2.9	H-15***
61019	Cement Kiln*			
51019	Raw Materials Bin	0.8	3.0	D-18
61012	Pre Mix Bins	0.6	2.3	D-12
61013	Fly Ash Bin	0.6	2.4	D-23
61017	Raw Meal Transfer	0.3	1.0	F-14
61020	Blending Silo	3.3	12.7	G-12
61030	Clinker Silo	0.6	2.4	L-06
61032	Clinker Silo	0.6	2.4	L-08
61027	Cooler Discharge	0.8	2.9	L-16
61033	Silo Discharges	1.8	6.9	M-08
61037	Finish Mill	6.4	24.5	N-13
61038	Cement Silo Discharge	0.6	2.4	Q-17
61040	Cement Silo	0.6	2.4	Q-15A
61042	Cement Silo	0.6	2.4	Q-15C
61041	Cement Silo	0.6	2.4	Q-15B
61026	Coal Handling	0.8	2.9	S-04
	Particulate Totals	19.8	75.9	

\* The cement kiln exhaust gases discharge into the ambient air through the power plant baghouse.

<u>Pollutant</u>	<u>Amended</u>	<u>Previous</u>	<u>Amended</u>
Particulates	49.5 lb/hr	50 lb/hr	189 TPY
SO <sub>2</sub>	80 lb/hr	100 lb/hr	305 TPY
NO <sub>x</sub>	416 lb/hr	422 lb/hr	1585 TPY

\*\* Plant equipment number

\*\*\* Baghouse source added

A Portland cement plant is one of the major facilities listed in Table 500-1 of 17-2.500, FAC, Prevention of Significant Deterioration (PSD). A BACT determination is required for each pollutant exceeding the significant emission rates in Table 500-2, which in this case are particulates, sulfur dioxide and nitrogen oxides. This facility is also subject to New Source Performance Standards (NSPS), 40 CFR 60.60, Subpart F.

BACT Determination Requested by the applicant:

Pollutant	Emission Limit
Particulates (kiln)	0.3 lbs/ton of dry kiln feed
Particulates (cooler)	0.1 lbs/ton of dry kiln feed
Sulfur dioxide (kiln)	Coal containing 0.75% sulfur
Nitrogen Oxides (kiln)	1.7 lbs/million Btu heat input
Nitrogen Oxides (rotary dryer)	0.2 lbs/million Btu heat input

Fabric filter baghouses will be used to limit particulate emissions from all other sources. Particulate matter discharged to the atmosphere will be in the range between 0.012 and 0.015 grains per actual cubic feet. (Table 1)

Date of Receipt of a BACT Application:

October 1, 1982

Date of Publication in the Florida Administrative Weekly:

October 15, 1982

Review Group Members:

Comments were obtained from the New Source Review Engineering Section, the Air Modeling Section, and the DER Southwest District Office.

BACT Determined by DER:

<u>Source</u>	<u>Pollutant Emission Limit</u>
Kiln	0.30 pound particulate matter per ton of feed (dry basis).
Kiln	Visible emissions not to exceed 10 percent opacity.
Kiln	0.60 pound SO <sub>2</sub> per ton of feed (dry basis). Fossil fuels must be the only fuels fired.
Kiln	2.9 pounds NO <sub>x</sub> per ton of feed (dry basis).
Clinker Cooler	0.10 pound particulate matter per ton of kiln feed (dry basis).
Clinker Cooler	Visible emissions not to exceed 10 percent opacity.
Dryer	Visible emissions not to exceed 10 percent opacity.
Raw Mill	Visible emissions not to exceed 10 percent opacity.

BACT for the sources (except the cement kiln) as listed in Table 1 is that visible emissions must not exceed 5 percent opacity.

Compliance with the particulate emission limitations will be in accordance with the EPA Reference Methods in Appendix A, 40 CFR 60, as set forth in Subsection 60.64 of the NSPS for Portland Cement Plants, 40 CFR 60.60.

Compliance with opacity standards will be determined by conducting observations in accordance with DER Method 9 (17-2.700(6)(a)9. FAC).

Compliance with the SO<sub>2</sub> and NO<sub>x</sub> emission limitations will be in accordance with 40 CFR 60, Appendix A; Method 6 and 7.

The performance test for the cement kiln must be conducted with the dryer feed shut off. The performance test for the clinker cooler must be conducted with the feed to the raw mill shut off. Since the kiln and clinker cooler have one common control device, their emission rates may be combined. The power plant boiler must be down during these performance tests.

BACT Determination Rationale

The NSPS visible emission limitation for the clinker cooler, dryer and raw mill exhaust gases are not to exceed 10 percent opacity, and the cement kiln exhaust gases must not exceed 20 percent opacity. Exhaust gases from all four sources pass through a common baghouse and only one VE limitation would be practical. The visible emission BACT for these four sources and the baghouse was determined to be the 10 percent.

BACT for particulate emissions was determined to be equivalent to NSPS for Portland Cement Plants, 40 CFR 60.60, Subpart F.

BACT for SO<sub>2</sub> emissions from the cement kiln was determined to be equal to 25 percent of the rate calculated from the emission factor in AP-42, Table 1.1-2. The 75 percent reduction in SO<sub>2</sub> emissions is due to the alkaline nature and affinity for SO<sub>2</sub> of the material being processed.

BACT for the sources listed in Table 1, other than the cement kiln, is that the exhaust gases must not exhibit greater than 5 percent opacity. The department feels the 5 percent opacity determined as BACT, which is more stringent than the NSPS standard of 10 percent, is attainable with a baghouse.

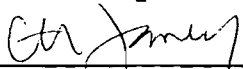
BACT for NO<sub>x</sub> emissions from the cement kiln was determined to be equal to 360 pounds per hour. This rate was obtained from the EPA-BACT clearinghouse report.

This BACT determination was based upon the firing of coal. The firing of non-fossil fuels is not allowed.

Details of the Analysis May be Obtained by Contacting:

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Recommended By:

  
C. H. Fancy, Deputy Chief, BAQM

Date: 11/10/83

Approved:   
Victoria J. Tschinkel, Secretary

Date: 10/10/83