

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Edward A. Cerny United States Gypsum Company 6825 Evergreen Avenue Jacksonville, FL 32208	4. Article Number P938 762 583 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature -- Address X <i>Cheri Pamer</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature -- Agent X	
7. Date of Delivery 6-5-89	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 938 762 583

RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to Mr. Edward A. Cerny, USG	
Street and No. 6825 Evergreen Ave.	
P.O., State and ZIP Code Jacksonville, FL 32208	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 6-2-89 Permit: AC 16=158985	

PS Form 3800, June 1985



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. Edward A. Cerny
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

May 31, 1989

Enclosed is construction permit No. AC 16-158985 to construct a calcium carbonate unloading and supply system for the textures plant in Jacksonville, Duval County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management

Copy furnished to:

D. Hall, BESD
W. Stewart, NE District
J. Shoemaker, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on June 2, 1989.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Martha Gillis June 2, 1989
Clerk Date

Final Determination

United States Gypsum Company
Jacksonville, Duval County, Florida

Textures Bulk Calcium Carbonate
Unloading and Supply System

Permit Number: AC 16-158985

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

May 25, 1989

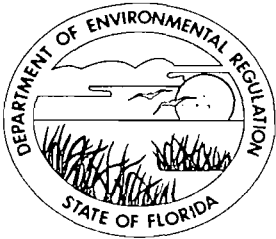
Final Determination

United States Gypsum Company's permit application for the Textures Bulk Calcium Carbonate Unloading and Supply System in Jacksonville, Duval County, Florida, has been reviewed by the Bureau of Air Quality Management. Comments were received in response to the Public Notice published in The Florida Times-Union on April 20, 1989.

James Parnell of USG pointed out that although the permit mentions an average material handling rate of 6970 lbs/hr for the system, it should be noted that the system will process up to 70,000 lbs/hr of raw material during railcar unloading. The permit will reflect the above information in the process description.

Specific Condition Nos. 1, 2, and 4 will be reworded for clarification in consideration of comments from Central Air Permitting.

The final action of the Department will be to issue the permit as proposed in the Preliminary Determination with the above mentioned change in the process description and Specific Condition Nos. 1, 2, and 4.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, FL 32208

Permit Number: AC 16-158985
Expiration Date: September 1, 1989
County: Duval
Latitude/Longitude: 30°22'52"N
81°38'01"W
Project: Textures Bulk Calcium
Carbonate Unloading & Supply
System (B-7).

This permit is issued under the provisions of Chapter 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 calcium carbonate unloading and supply system consisting of pneumatic railcar unloading, a storage bin equipped with a dust collector, and pneumatic supply of calcium carbonate to the textures department. The system will be capable of handling 6970 lb/hr of calcium carbonate on an average basis and up to 70,000 lbs/hr during railcar unloading periods. The project will be located at the existing United States Gypsum facility in Jacksonville, Duval County, Florida.

The UTM coordinates of this facility are zone 17, 438.9 km East and 3361.2 km North.

The source shall be in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. U.S. Gypsum's application received January 3, 1989.
2. DER's letter of incompleteness dated January 27, 1989.
3. U.S. Gypsum's letter received February 9, 1989.
4. DER's letter dated March 10, 1989.
5. U.S. Gypsum's letter received March 15, 1989.
6. Preliminary Determination dated April 11, 1989.
7. U.S. Gypsum's letter received April 25, 1989.
8. Final Determination dated May 19, 1989.

PERMITTEE:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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 non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () 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:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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 maximum operating hours for the calcium carbonate unloading and supply system for the textures department shall not exceed 8320 hours/yr, however, the storage bin may operate continuously.

2. The maximum allowable emissions from the dust collector on the storage bin shall not exceed 0.03 gr/dscf, 0.7 lb/hr and 2.9 tons per year. The emissions are based on the storage bin exhaust fan operating for a maximum of 8320 hours/year (primarily during railcar unloading).

3. Visible emissions shall not exceed 5% opacity.

PERMITTEE:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

SPECIFIC CONDITIONS:

4. Initial and annual compliance shall be conducted during periods of railcar unloading in accordance with the July 1988 edition of 40 CFR 60 Appendix A, using EPA Method 9 for visible emissions (VE). EPA Method 5 shall be performed for particulates if visible emissions exceed 5% opacity. A log shall be maintained to document the storage bin exhaust fan's operating hours.

5. A minimum of 15 days prior notification of the compliance tests shall be given to Duval County's Bio-Environmental Services Division (BESD). Compliance test results shall be submitted to BESD within 45 days of test completion.

6. The permittee shall comply with the applicable provisions of F.A.C. Chapters 17-2 and 17-4.

7. Any change in the method of operations, raw materials, equipment, or operating hours shall be submitted to BESD for approval.

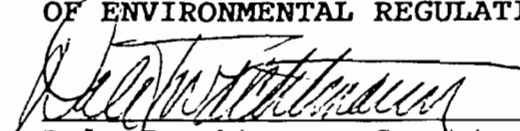
8. The operation permit for the stucco/additive system shall be amended to reflect that the dust collector has been transferred to the textures department and to document other process modifications.

9. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the BAQM prior to 60 days before the expiration of the permit (F.A.C. 17-4.090).

10. An application for an operation permit must be submitted to the BESD office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

Issued this 26 day
of May, 1989

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary

Check Sheet

Company Name: United States Gypsum Company
Permit Number: ACG-158595
PSD Number: _____
Permit Engineer: _____

Application:

- | | |
|--|--------------------------|
| <input type="checkbox"/> Initial Application | Cross References: |
| <input type="checkbox"/> Incompleteness Letters | <input type="checkbox"/> |
| <input type="checkbox"/> Responses | <input type="checkbox"/> |
| <input type="checkbox"/> Waiver of Department Action | <input type="checkbox"/> |
| <input type="checkbox"/> Department Response | |
| <input type="checkbox"/> Other | |

Intent:

- Intent to Issue
 - Notice of Intent to Issue
 - Technical Evaluation
 - BACT or LAER Determination
 - Unsigned Permit
- Correspondence with:
- EPA
 - Park Services
 - Other
- Proof of Publication
 - Petitions - (Related to extensions, hearings, etc.)
 - Waiver of Department Action
 - Other

Final

Determination:

- Final Determination
- Signed Permit
- BACT or LAER Determination
- Other

Post Permit Correspondence:

- Extensions/Amendments/Modifications
- Other

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge)
 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Edward A. Cerny United States Gypsum Company 6825 Evergreen Avenue Jacksonville, FL 32208	4. Article Number P 938 762 602 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Address X <i>Cheri Parker</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 6-27-89	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 938 762 602
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to Mr. Edward A. Cerny, USGC	
Street and No. 6825 Evergreen Ave.	
P.O., State and ZIP Code Jacksonville, FL 32208	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 6-23-89 Permit: AC 16-158985	

PS Form 3800, June 1985



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

June 20, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Edward A. Cerny
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, FL 32208

Dear Mr. Cerny:

Re: Extension of Permit Expiration Date, Permit No. AC
16-158985 for U.S. Gypsum's Calcium Carbonate Unloading
System

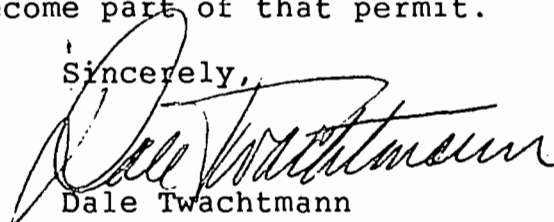
In response to the permit extension request on June 14, 1989, by U.S. Gypsum for the above referenced project, the Department will extend the permit expiration date to January 1, 1990, to provide adequate time for testing. The following shall be changed in the permit:

Expiration Date Change:

From: September 1, 1989
To: January 1, 1990

This letter must be attached to your construction permit mentioned above, and shall become part of that permit.

Sincerely,



Dale Twachtmann
Secretary

DT/pr

cc: D. Hall, BESD
B. Stewart, NE District
J. Shoemaker, P.E.



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

RECEIVED
JUN 20 1989

Office of the Secretary

TO: Dale Twachtmann

for FROM: Steve Smallwood *[Signature]*

SUBJ: Approval of Permit Expiration Date Extension for United States Gypsum Company's Calcium Carbonate Unloading System, Permit No. AC 16-158985

DATE: June 16, 1989

Attached for your approval and signature is a permit amendment prepared by Central Air Permitting for United States Gypsum Company's Calcium Carbonate Unloading System at their existing facility in Jacksonville, Duval County, Florida.

I recommend your approval and signature.

SS/PR

Attachments

RECEIVED
JUN 21 1989
DER-BAQM



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Permit File

FROM: Pradeep Raval

SUBJ: Approval of Permit Expiration Date Extension for United States Gypsum Company's Calcium Carbonate Unloading System, Permit No. AC 16-158985

DATE: June 14, 1989

Jim Parnell of U.S.Gypsum called requesting an extension of the Expiration date of the above referenced permit to provide adequate time for testing. I indicated to him that a letter to that effect would have to be signed by the Secretary of the Department and that it did not seem to pose any problem on the regulatory side.

PM
4-20-89
Jacksonville

United States Gypsum Company

P.O. Box 9579

Jacksonville, FL 32208

904 768-2501

[Handwritten signature]



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

April 20, 1989

RECEIVED

APR 25 1989

DER-BAQM

Mr. C.H. Fancy, P.E.
Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., United States Gypsum Company, has enclosed proof of publication of Notice of Intent to Issue Permit.

The construction permit (AC16-158985) for the Textures Bulk Calcium Carbonate Unloading & Supply System states on Page 1 that the system will be capable of handling 6,970 lbs/hr of calcium carbonate. This number represents the normal continuous rate at which material is processed through the system and accurately reflects the total product tonnage of calcium carbonate for the system; however, during intermittent periods of raw material unloading from railcars it is anticipated that the unloading portion of the system will process approximately 70,000 lbs/hr.

Should you have any questions please call the undersigned at (904) 768-2501, ext. 223.

Sincerely,

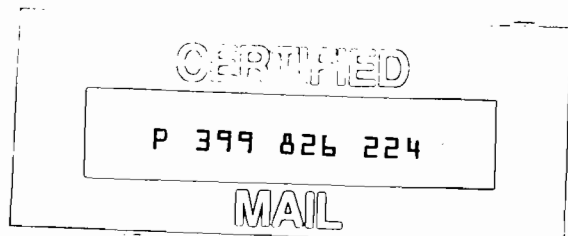
James A. Parnell

James A. Parnell
Project Engineer

JAP/cp

Enclosure


copied: P. Rowal
H. Stewart, NE Dist
D. Hall, BESD



United States Gypsum Company
P.O. Box 9579, 6825 Evergreen Ave.
Jacksonville, FL 32208



Mr. C.H. Fancy, P.E.
Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



FLORIDA PUBLISHING COMPANY
Publisher
JACKSONVILLE, DUVAL COUNTY, FLORIDA

STATE OF FLORIDA }
 COUNTY OF DUVAL }

Before the undersigned authority personally appeared Pam Lee

_____ who on oath says that he is

Retail Advertising Assistant of The Florida Times-Union,
 a daily newspaper published at Jacksonville in Duval County, Florida; that the
 attached copy of advertisement, being a _____

Legal Notice

in the matter of Notice of Intent

in the _____ Court,

was published in THE FLORIDA TIMES-UNION in the issues of _____

April 20, 1989

Affiant further says that the said The Florida Times-Union is a newspaper published at Jacksonville, in said Duval County, Florida, and that the said newspaper has heretofore been continuously published in said Duval County, Florida, The Florida Times-Union each day, has been entered as second class mail matter at the postoffice in Jacksonville, in said Duval County, Florida, for a period of one year next preceeding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

Sworn to and subscribed before me

this 20th day of April A.D. 1989

[Signature]
 Notary Public,
 State of Florida at Large.

My Commission Expires 2/26/93

Pam Lee

State of Florida
 Department of Environmental Regulation
 Notice of Intent to Issue
 The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to United States Gypsum Company, 6625 Evergreen Avenue, Jacksonville, Florida 32208 to install a calcium carbonate unloading and supply system for the textures plant. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this intent to issue for the reasons stated in the Technical Evaluation and Preliminary Determination.
 A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.
 The Petition shall contain the following information:
 (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
 (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
 (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
 (d) A statement of the material facts disputed by Petitioner, if any;
 (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
 (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
 (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.
 If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceedings. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S. and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.
 The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:
 Department of Environmental Regulation
 Bureau of Air Quality Management
 2600 Blair Stone Road
 Tallahassee, Florida 32399-2400
 Dept. of Environmental Regulation
 Northeast District Office
 3426 Bills Road
 Jacksonville, Florida 32207
 Division of Bio-Environmental Services
 421 West Church Street, Room 412
 Jacksonville, Florida 32206
 Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Edward A. Cerny United States Gypsum Company 6825 Evergreen Avenue Jacksonville, FL 32208	4. Article Number P 274 010 400
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express' Mail <input type="checkbox"/> Return Receipt for Merchandise
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Address X <i>Patty Gano</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery <i>4-13-89</i>	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1989-212-865 DOMESTIC RETURN RECEIPT

P 274 010 400

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

* U.S.G.P.O. 1985-480-794

Sent to Mr. Edward A. Cerny, USG	
Street and No. 6825 Evergreen Avenue	
P.O., State and ZIP Code Jacksonville, Florida 32208	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 4-12-89 Permit: AC 16-158985	

PS Form 3800, June 1985



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

April 11, 1989

CERTIFIED MAIL-RETURN RECEIPT REQUESTED


Mr. Edward A. Cerny
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, FL 32208

Dear Mr. Cerny:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for United States Gypsum Company to construct a calcium carbonate unloading and supply system for the textures plant described in the application at the existing facility in Jacksonville, Duval County, Florida.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,


C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/plm

Attachments

cc: D. Hall, BESD
B. Stewart, NE District
J. Shoemaker, P.E.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

DER File No. AC 16-158985

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, United States Gypsum Company, applied on January 3, 1989, to the Department of Environmental Regulation for a permit to construct a calcium carbonate unloading and supply system for the textures plant in Jacksonville, Duval County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applicant have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

D. Hall, BESD
B. Stewart, NE District
J. Shoemaker, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 4-12-89.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Martha J. Wise
Clerk

4-12-89
Date

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to United States Gypsum Company, 6825 Evergreen Avenue, Jacksonville, Florida 32208 to install a calcium carbonate unloading and supply system for the textures plant. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation
Northeast District Office
3426 Bills Road
Jacksonville, Florida 32207

Division of Bio-Environmental Services
421 West Church Street, Room 412
Jacksonville, Florida 32206

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation
and
Preliminary Determination

United States Gypsum Company
Jacksonville, Duval County, Florida

Textures Bulk Calcium Carbonate
Unloading and Supply System

Permit Number: AC 16-158985

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

April 11, 1989

I. Application

A. Applicant

United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, FL 32208

B. Project and Location

The applicant, United States Gypsum Company (U. S. Gypsum), proposes to construct a calcium carbonate unloading and supply system for the textures department. The project will be located at U.S. Gypsum's existing facility in Jacksonville, Duval County, Florida. The project will result in emissions of particulate matter.

The UTM coordinates of the facility are Zone 17, 438.9 km East, and 3361.2 km North.

C. Facility Category

U.S. Gypsum's facility is major in accordance with Chapter 17-2 of the Florida Administrative Code (F.A.C.). It is classified in accordance with the Standard Industrial Classification (SIC) Code as Group No. 327, Concrete, Gypsum & Plaster Products; Industry No. 3275, Gypsum Products. The storage bin, which emits the particulates, is classified under Miscellaneous Machinery, 3-12-999-99 Other Not Classified, in accordance with the NEDS Source Classification Code (SCC).

U.S. Gypsum's application was received on January 3, 1989, and was deemed complete on March 15, 1989.

II. Project Description

The calcium carbonate unloading and supply system will consist of a pneumatic conveying line connecting the unloading area, the material storage bin, and a dispensing hopper. An unloading blower will force clean air to a bottom unloading rail car and pneumatically convey bulk calcium carbonate to a storage bin. The calcium carbonate will be supplied pneumatically to a weigh hopper for the textures plant.

The only source of particulate (PM) emissions in the proposed system will be the storage bin (B-7). The emissions from the storage bin will be controlled by a dust collector, which will be transferred from a previously permitted stucco additive system (B1-K). The stucco additive system has been modified by sealing feeders and removing the pneumatic system. The dust collector in the stucco additive system will be

replaced by a vent sock. The emissions from the vent sock are expected to be negligible.

III. Rule Applicability

The proposed project will emit particulate matter and is subject to a preconstruction review in accordance with Chapters 17-2 and 17-4 of the Florida Administrative Code (F.A.C.) and Chapter 403 of the Florida Statutes.

The proposed project will be located in the area of influence of the particulate nonattainment area in Jacksonville, in accordance with F.A.C. Rule 17-2.410.

The proposed project will not be subject to the Nonattainment Area Review Requirements because it will be a minor modification in accordance with F.A.C. Rule 17-2.510(2)(d)4.

The proposed project will be subject to F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements.

The proposed project will also be subject to Reasonably Available Control Technology (RACT), in accordance with F.A.C. Rule 17-2.650(11) pertaining to Material Handling Sources.

The proposed project will be subject to emission testing and reporting requirements, in accordance with F.A.C. Rule 17-2.700. The source will be required to show compliance with the emission limiting standards using EPA Method 9, in accordance with F.A.C. Rule 17-2.700(6)(b)9.

IV. Source Impact Analysis

A. Emission Limitations

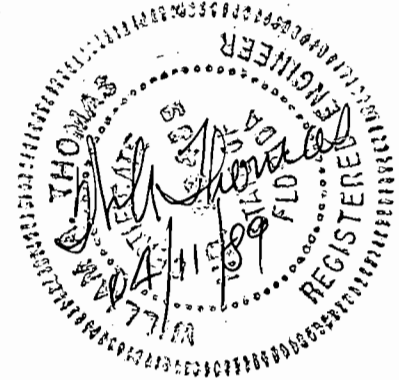
The emission limits for the dust collector, based on RACT are 0.03 gr/dscf, and no visible emissions (5% opacity). The mass emission limit translates to 0.69 lb/hr and 2.9 TPY (based on 8320 hrs/year). The contemporaneous emissions for the facility are 9.66 TPY for PM₁₀ (particulates smaller than 10 microns), and 19.3 TPY for PM.

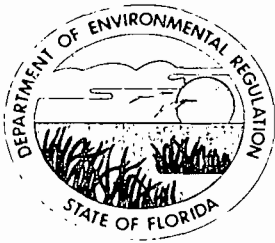
B. Air Quality Impact Analysis

The technical evaluation of this application determined that ambient air monitoring or modeling would not be required to provide reasonable assurance that Florida's air quality standards would not be violated.

V. Conclusion

Based on the information provided by U.S. Gypsum, the Department has reasonable assurance that the calcium carbonate unloading and supply system for the textures department at U.S. Gypsum's facility in Jacksonville, as described in this evaluation and subject to the conditions proposed herein, will not cause or contribute to a violation of any ambient air quality standard or PSD increment, or violate any other technical provision of Chapter 17-2 of the Florida Administrative Code.





Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

PERMITTEE:

United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, FL 32208

Permit Number: AC 16-158985

Expiration Date: September 1, 1989

County: Duval

Latitude/Longitude: 30°22'52"N
81°38'01"W

Project: Textures Bulk Calcium
Carbonate Unloading & Supply
System (B-7).

This permit is issued under the provisions of Chapter 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 calcium carbonate unloading and supply system consisting of pneumatic railcar unloading, a storage bin equipped with a dust collector, and pneumatic supply of calcium carbonate to the textures department. The system will be capable of handling 6970 lb/hr of calcium carbonate. The project will be located at the existing United States Gypsum facility in Jacksonville, Duval County, Florida.

The UTM coordinates of this facility are zone 17, 438.9 km East and 3361.2 km North.

The source shall be in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. U.S. Gypsum's application received January 3, 1989.
2. DER's letter of incompleteness dated January 27, 1989.
3. U.S. Gypsum's letter received February 9, 1989.
4. DER's letter dated March 10, 1989.
5. U.S. Gypsum's letter received March 15, 1989.
6. Preliminary Determination dated April 11, 1989.

PERMITTEE:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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 non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () 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:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

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 maximum operating hours for the calcium carbonate unloading and supply system for the textures department shall not exceed 8320 hours/yr.

2. The maximum allowable emissions from the dust collector on the storage bin shall not exceed 0.03 gr/dscf, 0.7 lb/hr and 2.9 tons per year.

3. Visible emissions shall not exceed 5% opacity.

PERMITTEE:
United States Gypsum Company

Permit No. AC 16-158985
Expiration Date: September 1, 1989

SPECIFIC CONDITIONS:

4. Initial and annual compliance shall be determined in accordance with the 1987 version of 40 CFR 60 Appendix A, using EPA Method 9 for visible emissions (VE). EPA Method 5 shall be performed for particulates if visible emissions exceed 5%.

5. A minimum of 15 days prior notification of the compliance tests shall be given to Duval County's Bio-Environmental Services Division (BESD). Compliance test results shall be submitted to BESD within 45 days of test completion.

6. The permittee shall comply with the applicable provisions of F.A.C. Chapters 17-2 and 17-4.

7. Any change in the method of operations, raw materials, equipment, or operating hours shall be submitted to BESD for approval.

8. The operation permit for the stucco/additive system shall be amended to reflect that the dust collector has been transferred to the textures department and to document other process modification.

9. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the BAQM prior to 60 days before the expiration of the permit (F.A.C. 17-4.090).

10. An application for an operation permit must be submitted to the BESD office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

Issued this _____ day
of _____, 1989

**STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION**

Dale Twachtmann, Secretary

PM
3-14-89
Jacksonville, FL

United States Gypsum Company

P.O. Box 9579

Jacksonville, FL 32208

904 768-2501

file copy



RECEIVED

MAR 15 1989

DER - BAQM

March 14, 1989

Mr. Pradeep Raval
Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Raval:

The following is in reply to your verbal request on February 21, 1989 for additional information concerning the Construction Permit Application for the Textures Bulk Calcium Carbonate Unloading and Supply System (B-7), AC16-158985.

1. No changes were made to the existing Permit No. A016-130480, Point 81 Stucco/Additive System (B1-K) to reflect modifications made to the stucco/Additive system. The modifications resulted in elimination of emissions.
2. The district office was not notified of these changes. No amendment was made to the permit to reflect the non-operation of this equipment. Upon approval of Construction Permit Application (AC16-158985), it is requested that Point 81 - Stucco/additive System (B1-K) of Permit No. A016-130480 be rescinded.
3. It is requested that operating hours for the Textures Bulk Calcium Carbonate Unloading and Supply System dust collector remain at 8,320 hours per year as stated in AC16-158985.
4. Based on experiences with other regulatory agencies involving similar applications, PM-10 emissions are approximated at 50% of total controlled emissions. Based on this, PM-10 emissions for the five year period are 9.66 tons.

Should you have any questions, please call the undersigned at (904) 768-2501, ext. 223.

Sincerely,

Jim Parnell
Project Engineer

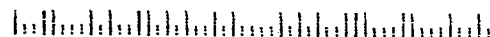
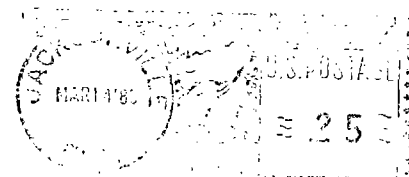
JP/cp
copied: P. Raval
B. Stewart
D. Hall

United States Gypsum Company
6825 Evergreen Ave. (32206-4996)
P.O. Box 9579
Jacksonville, FL 32208-0579



RECEIVED
MAR 15 1989
DER-BAQM

Mr. Pradeep Raval
Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Edward A. Cerny United States Gypsum Company 6825 Evergreen Avenue Jacksonville, FL 32208	4. Article Number P 274 007 606
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee <i>E. Cerny</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 3/13/89	

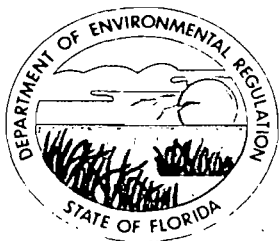
PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 274 007 606
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

* U.S.G.P.O. 1985-480-794

Sent to Mr. Edward A. Cerny, U.S.	
Street and No. 6825 Evergreen Ave. Gypsum Co.	
P.O., State and ZIP Code Jacksonville, FL 32208	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 3-10-89 Permit: AC 16-158985	

PS Form 3800, June 1985



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

March 10, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Edward A. Cerny
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

Dear Mr. Cerny:

Re: Review of Construction Permit Application for Textures
Bulk Calcium Carbonate Unloading and Supply System (B-7),
AC 16-158985.

The Department has received and reviewed your additional
information package dated February 9, 1989.

The Department still needs a response on the following issues
discussed over the phone with Mr. Jim Parnell, to evaluate your
application:

1. Please provide the contemporaneous emission increases and
decreases at your facility with regard to PM₁₀.
2. Address the emission changes expected from the replacement
of the dust collector with a vent sock on the stucco
additive system. Also submit details of the
modification/changes that were made to the stucco additive
system in order to document it in the respective permit(s).
3. Please verify the dust collector (exhaust fan) operation
hours and adjust the emission estimates from the calcium
carbonate storage silo, if necessary.

If you have any questions please call Pradeep Raval at (904)
488-1344 or write to me at the above address.

Sincerely,

C. H. Fancy
Deputy Chief
Bureau of Air Quality
Management

CHF/plm

cc: D. Hall, BESD
B. Stewart, NE District
J. Shoemaker, PE

PM
2-9-89
Jacksonville, FL

United States Gypsum Company

P.O. Box 9579

Jacksonville, FL 32208

904 768-2501

file copy



February 8, 1989

RECEIVED

FEB 9 1989

DER-BAQM

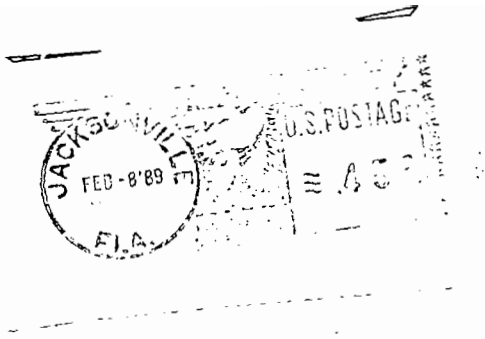
Mr. C.H. Fancy
Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Review of Construction Permit Application for Textures
Bulk Calcium Carbonate Unloading and Supply System
(B-7), AC16-158985

Dear Mr. Fancy:

The following is in reply to your letter dated January 27, 1989, requesting additional information regarding above referenced application:

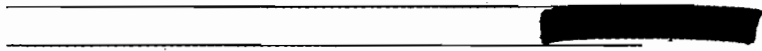
1. The Textures Bulk Calcium Carbonate Unloading and Supply System will utilize an unloading blower to fill a storage bin from a pressure differential railcar. Calcium carbonate will then be conveyed with another blower to a weigh hopper. The hopper will be filled to a preset weight and transferred utilizing a closed screw conveyor. During unloading and/or conveying processes the relocated dust collector will be utilized. See Drawing No. T-101 for process flow diagram.
2. All equipment associated with this installation will be new except for the existing storage bin and the existing dust collector which will be relocated from the stucco/additive system (B1-K) to the Textures Bulk Calcium Carbonate System.
3. The stucco/additive system from which the dust collector is being transferred will remain in operation. Modifications have been made to the stucco/additive system including the installation of closed screw conveyors, sealing of vibra-screw feeders and the addition



United States Gypsum Company
P.O. Box 9579, 6825 Evergreen Ave.
Jacksonville, FL 32208



Mr. C.H. Fancy
Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



of a bin vent sock. These modifications coupled with the fact no air conveying equipment is used on the stucco/additive system will allow for the dust collector transfer without sacrificing emission control.

4. Contemporaneous emission increases for 1984-1988 total 19.328 tons/year. See Table #1.

Should you have any questions please call Jim Parnell at (904) 7682501.

Sincerely,

Jim Parnell
cp

Jim Parnell
Project Engineer

JP/cp

Enclosures

cc: Darrel J. Hall
Bio-Environmental Services Division
Town Centre
Suite 412
421 West Church Street
Jacksonville, Florida 32202

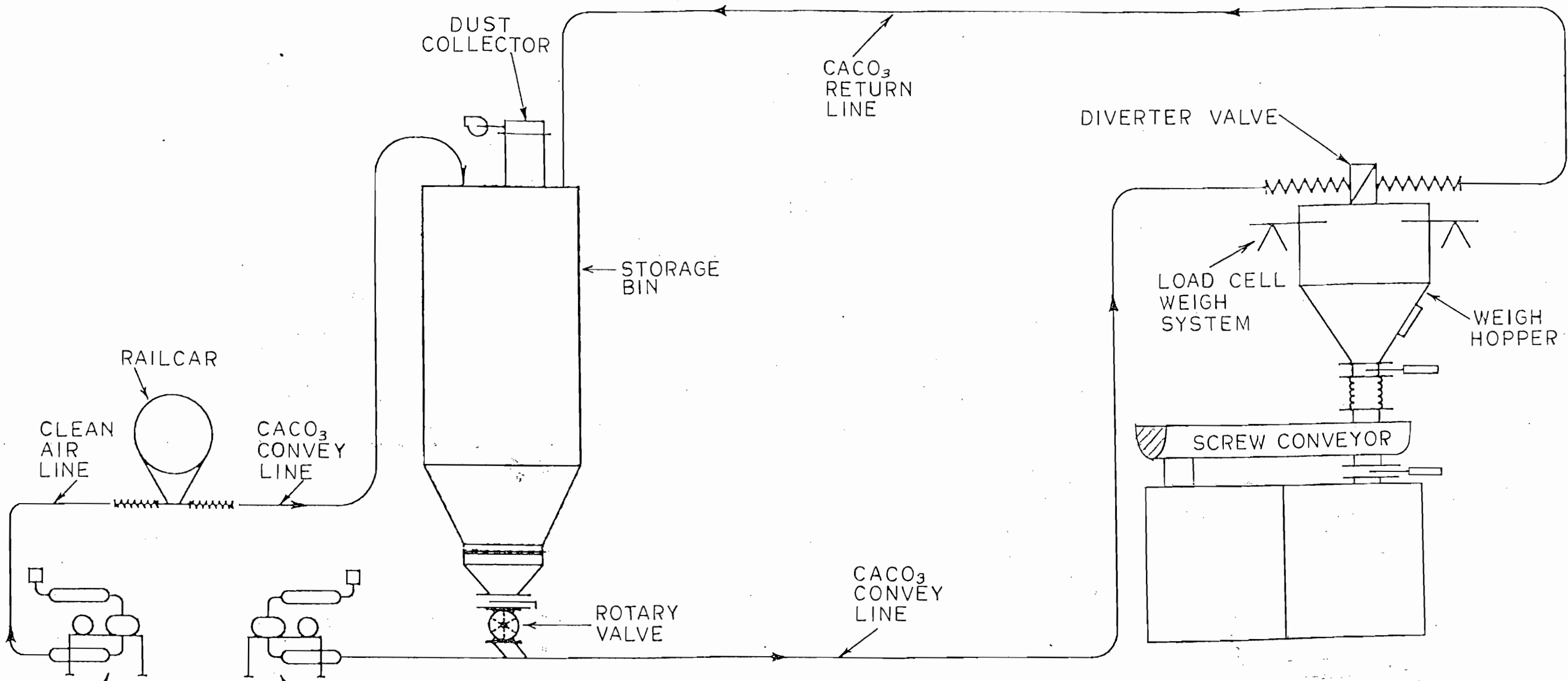
Bill Stewart, P.E.
Florida Department of Environmental Regulation
Northeast District
3426 Bills Road
Jacksonville, Florida 32207

*copied: Pradeep Patel
CHF/BT*

TABLE #1

1984-1988 EMISSION INCREASES
FOR U.S. GYPSUM COMPANY, JACKSONVILLE PLANT

<u>Year</u>	<u>Source</u>	<u>Emission Increase</u>
1984	None	None
1985	No. 2 Stucco & Dry Additive System (BD-6), Permit No. A016-85634	3.210 Ton/Yr
1986	Ready Mix - Limestone Transfer & Storage (RM-3), Permit No. A016-119938	0.579 Ton/Yr
	Ready Mix - Talc Transfer & Storage (RM-4), Permit No. A016-119939	0.579 Ton/Yr
	No. 1 - End Saw Dust Collector (B-5), Point 80 of Permit No. A016-130480	7.5 Ton/Yr
	No. 1 - Stucco/Additive System (B1-K), Point 81 of Permit No. A0116-130480	2.4 Ton/Yr
1987	None	None
1988	Addition of McClanahan Roll Crusher to Permit No. A016-72998. Emissions net increase of 5.06 Ton/Yr resulted.	5.06 Ton/Yr =====
	5 Year Total Emission Increase	19.328 Ton/Yr



MIX BATCH SYSTEM - TEXTURES

<p>FLOW DIAGRAM UNITED STATES GYPSUM</p>	
<p>DATE <u>2-6-89</u></p> <p>DWN. BY <u>J.P.</u></p> <p>SCALE <u>N.T.S.</u></p>	<p>DWG. NO. <u>T-101</u></p> <p>APPROVED _____</p>

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Edward A. Cerny U.S. Gypsum Company 6825 Evergreen Avenue Jacksonville, FL 32208	4. Article Number P 274 007 569
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature - Addressee X <i>E. Cerny</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 2-1-89	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1986-212-865 DOMESTIC RETURN RECEIPT

P 274 007 569

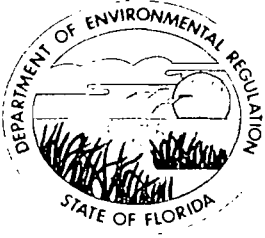
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

* U.S.G.P.O. 1985-480-794

Sent to	Mr. Edward A. Cerny, U.S.
Street and No.	Gypsum Co. 6825 Evergreen Ave.
P.O., State and ZIP Code	Jacksonville, FL 32208
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	Mailed: 1-31-89 Permit: AC 16-158985

PS Form 3800, June 1985



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

January 27, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Edward A. Cerny
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

Dear Mr. Cerny:

Re: Review of Construction Permit Application for Textures
Bulk Calcium Carbonate Unloading and Supply System (B-7),
AC 16-158985


The Department has reviewed your above referenced application dated December 29, 1988, and has deemed it incomplete. Please submit the following including all assumptions, calculations and reference material to resume the completeness review:

1. Please provide a brief description of the process associated with this project. Submit a sketch showing the process flow and identify the process equipment.
2. Explain the equipment installation/construction/removal associated with this project to clarify what the existing equipment is, what equipment will be installed/transferred, and what equipment will be dismantled.
3. If the above referenced system is existing, please explain how the emissions are currently controlled. Will the stucco/additive system (B1-K), from which the baghouse is being transferred, going to be shut down and dismantled? If not, how will the emissions from it be controlled?
4. Please quantify the contemporaneous emission increases and decreases at your facility for a period beginning five years prior to the filing of this application. However, if a PSD permit has been issued for a project at your facility more recently, then evaluate only the emission changes which have occurred since the issuance of that PSD permit.

Mr. Edward A. Cerny
Page 2
January 27, 1989

If you have any questions please call Pradeep Raval at (904)
488-1344 or write to me at the above address.

Sincerely,



C. H. Fancy
Deputy Chief
Bureau of Air Quality
Management

CHF/plm

cc: D. Hall, BESD
B. Stewart, NE District
J. Shoemaker, PE

United States Gypsum Company

P.O. Box 9579

Jacksonville, FL 32208

904 768-2501

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DER - MAIL ROOM

0202

1989 JAN -3 AM 10:23



December 29, 1988

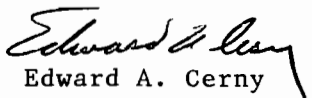
Mr. Clair Fancy, P.E.
Central Air Permitting Section
Twin Towers Office Building
2600 Blairstone Road
Tallahassee, Florida 32399

Dear Mr. Fancy:

United States Gypsum Company is submitting this request to withdraw Emission Point 81 (stucco/additive system (B1-K)) from permit number A016-130480. This request is submitted in conjunction with an enclosed air pollution source construction application to relocate the dust collector currently used as control equipment for Emission Point 81 to service another area of the plant. The appropriate fee is also enclosed with the construction application.

Should you have further questions, please call Jim Parnell at (904) 768-2501.

Very truly yours,


Edward A. Cerny
Plant Manager

EAC/cp

Enclosures

cc: Mr. Darrel J. Hall
Bio-Environmental Service Division
Town Centre
Suite 412
421 West Church Street
Jacksonville, Florida 32202

001031

WACHOVIA BANK & TRUST COMPANY, N.A.
PAYABLE THROUGH ASHEVILLE, N.C.

BEST AVAILABLE COPY
UNITED STATES GYPSUM COMPANY
JACKSONVILLE, FLORIDA



CHECK NUMBER 22516526
0202

06-35
0531
JGM
3: 23

CHECK AMOUNT
Two hundred dollars and no cents

December 29, 1988 AMOUNT \$200.00

PAY TO THE ORDER OF Department of Environmental Regulation

MANUAL SIGNATURE REQUIRED OVER \$10,000
AUTHORIZED SIGNATURE

GA Lewis



Central Air Permitting Section
Twin Towers Office Building
2600 Blairstone Road
Tallahassee, Florida 32399

Dear Mr. Fancy:

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Should you have further questions, please call Jim Parnell at (904) 768-2501.

Very truly yours,

Edward A. Cerny
Edward A. Cerny
Plant Manager

EAC/cp

Enclosures

cc: Mr. Darrel J. Hall
Bio-Environmental Service Division
Town Centre
Suite 412
421 West Church Street
Jacksonville, Florida 32202

001031

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

#200⁰⁰ pd.
1-3-89

NORTHEAST DISTRICT
3426 BILLS ROAD
JACKSONVILLE, FLORIDA 32207
904/798-4200



AC 16-158945

RECEIVED

JAN 03 1989

BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
ERNEST E. FREY
DISTRICT MANAGER
GARY L. SHAFFER
ASSISTANT DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Air Pollution New¹ Existing¹

APPLICATION TYPE: Construction Operation Modification

COMPANY NAME: United States Gypsum Company COUNTY: Duval

Identify the specific emission point source(s) addressed in this application (i.e. Lime
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Textures Bulk Calcium Carbonate
unloading & supply system(B-7)

SOURCE LOCATION: Street 6825 Evergreen Avenue City Jacksonville

UTM: East 4 38 900 North 33 61 200

Latitude 30 ° 22 ' 52 "N Longitude 81 ° 38 ' 01 "W

APPLICANT NAME AND TITLE: Edward A. Cerny, Plant Manager

APPLICANT ADDRESS: 6825 Evergreen Avenue, Jacksonville, Florida 32208

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of United States Gypsum Company

I certify that the statements made in this application for a Air Pollution permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: Edward A. Cerny
E.A. Cerny, Plant Manager

Name and Title (Please Type)

Date: 12-14-88 Telephone No. 904/768-2501

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

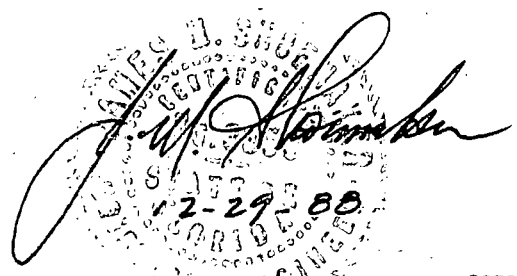
This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

¹ See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed J. M. Shoemaker
J.M. Shoemaker
Name (Please Type)

Company Name (Please Type)
10230 Bear Valley Road, Jacksonville, FL 32217
Mailing Address (Please Type)



Florida Registration No. 3358 Date: 12-29-88 Telephone No. 904-262-8941

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

This project involves the operation of a dust collector to vent the bulk calcium carbonate unloading and supply system for the textures department. All dust will be returned to the process. This installation will utilize an existing dust collector previously approved under permit A016-130480, emission point 81, issued 5-6-87 and will result in no change in the particulate emissions previously permitted.

B. Schedule of project covered in this application (Construction Permit Application Only)
Start of Construction 2-15-89 Completion of Construction 3-15-89

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)
Cost of baghouse and associated ductwork.
Total cost = \$24,000

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 6-2/3 ; wks/yr 52 ;
if power plant, hrs/yr _____ ; if seasonal, describe: Not seasonal, but dependent upon normal
business fluctuations.

F. If this is a new source or major modification, answer the following questions.
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? No
 - a. If yes, has "offset" been applied? No
 - b. If yes, has "Lowest Achievable Emission Rate" been applied? No
 - c. If yes, list non-attainment pollutants. No
 2. Does best available control technology (BACT) apply to this source?
If yes, see Section VI. No
 3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. No
 4. Do "Standards of Performance for New Stationary Sources" (NSPS)
apply to this source? No
 5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? No
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? No
- a. If yes, for what pollutants? No
 - b. If yes, in addition to the information required in this form,
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-
cation for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
CaCO ₃ (Calcium Carbonate)	particulate		6,970 lb/hr	

B. Process Rate, if applicable: (See Section V, Item 1)

- Total Process Input Rate (lbs/hr): 6,970
- Product Weight (lbs/hr): 6,970

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed Emission Rate per Rule 17-2 ²	Allowable Emission lbs/hr ³	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulates	0.6943	2.88			694.3	2888.3	

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard.

⁴Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
B-7 Baghouse, 2,700 CFM Seneca, 64-EPTHS-10	particulates	99.9		Design Data

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
None			

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average _____ Maximum _____

G. Indicate liquid or solid wastes generated and method of disposal.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 39 ft. Stack Diameter: 14" x 14" ft.
 Gas Flow Rate: 2,700 ACFM DSCFM Gas Exit Temperature: Ambient °F.
 Water Vapor Content: 2 % Velocity: 33.06 FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner
 Other (specify) _____

Brief description of operating characteristics of control devices: _____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- | | |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:* | 4. Capital Costs: |

*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

- (5) Environmental Manager:
- (6) Telephone No.:
- (7) Emissions:¹

Contaminant	Rate or Concentration

(8) Process Rate:¹

- b. (1) Company:
- (2) Mailing Address:
- (3) City: (4) State:
- (5) Environmental Manager:
- (6) Telephone No.:
- (7) Emissions:¹

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. _____ no. sites _____ TSP _____ () SO₂* _____ Wind spd/dir
 Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent? Yes No
- b. Was instrumentation calibrated in accordance with Department procedures?
 Yes No Unknown

B. Meteorological Data Used for Air Quality Modeling

- 1. _____ Year(s) of data from _____ / _____ / _____ to _____ / _____ / _____
month day year month day year
- 2. Surface data obtained from (location) _____
- 3. Upper air (mixing height) data obtained from (location) _____
- 4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

- 1. _____ Modified? If yes, attach description.
- 2. _____ Modified? If yes, attach description.
- 3. _____ Modified? If yes, attach description.
- 4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO ₂	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

PERMIT CALCULATIONS

Process Weight: 6,970 lbs./hr.

Product Weight: 6,970 lbs./hr.

Particulates from Baghouse:

$$2700 \frac{\text{Ft.}^3}{\text{Min.}} * 60 \frac{\text{Min.}}{\text{Hr.}} * 0.03 \frac{\text{Grain}}{\text{Ft.}^3} * \frac{1 \text{ lb.}}{7000 \text{ Grain}} = 0.6943 \text{ Lb./Hr.}$$

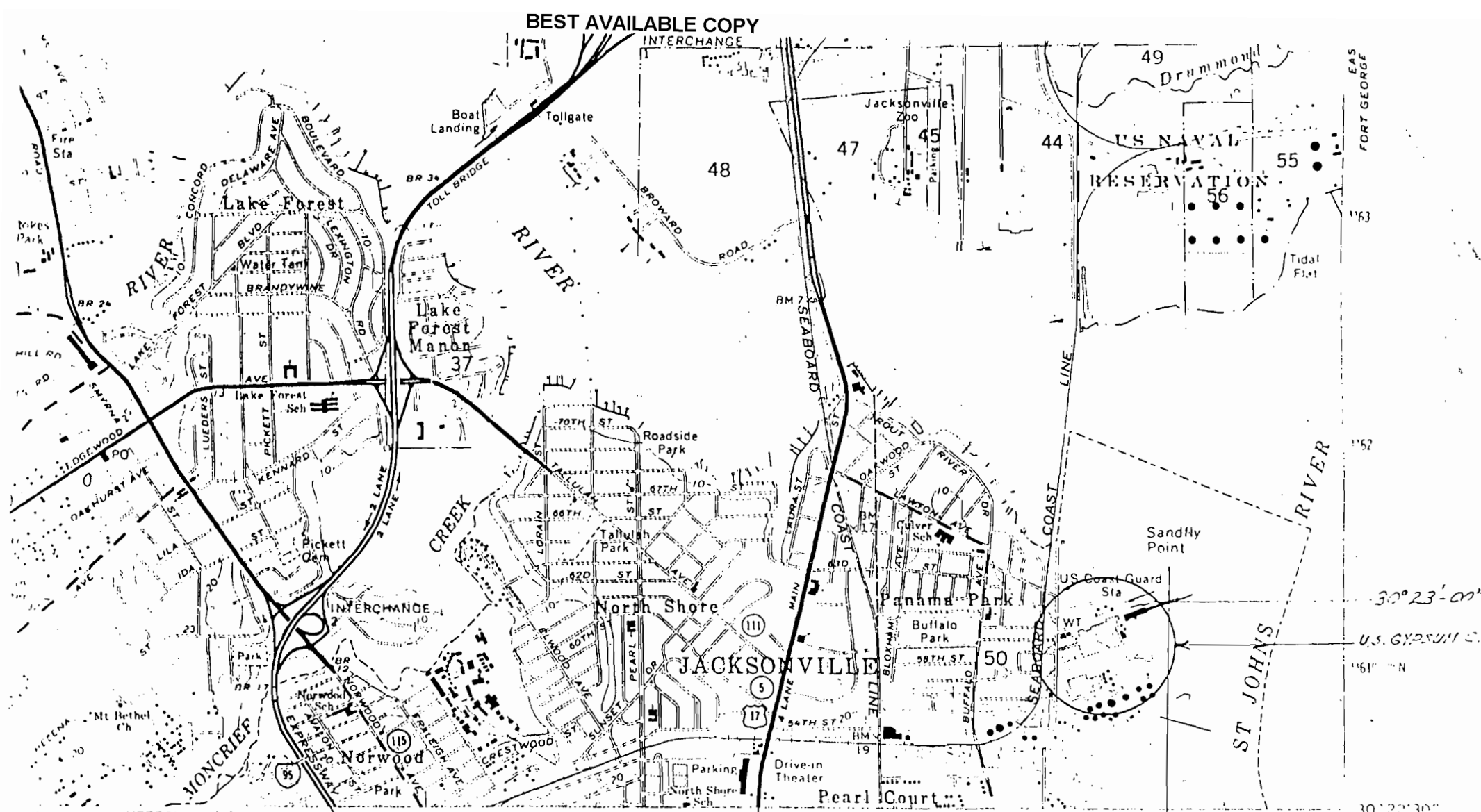
$$0.6943 \frac{\text{Lbs.}}{\text{Hr.}} * 8320 \frac{\text{Hrs.}}{\text{Yr.}} * \frac{1 \text{ Ton}}{2000 \text{ Lbs.}} = 2.88 \text{ Tons/Yr.}$$

Potential Emissions:

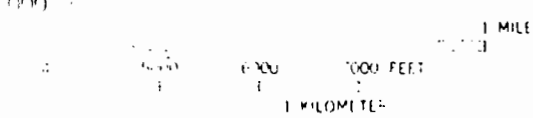
$$0.6943 \frac{\text{Lbs.}}{\text{Hr.}} * \frac{100\%}{(100 - 99.9)\%} = 694.3 \text{ Lbs./Hr.}$$

$$694.3 \text{ Lbs./Hr.} * \frac{8320 \text{ Hrs.}}{\text{Yr.}} * \frac{1 \text{ Ton}}{2000 \text{ Lbs.}} = 2888.3 \text{ Tons/Yr.}$$

BEST AVAILABLE COPY



INTERCHANGE 3 (U.S. 1) 1.3 MI. 40' 1.3 MI. TO U.S. 1 ORANGE PARK 19 MI. 438 R. 26 E. R. 27 E. 439' ± E. 81° 37' 00" 30° 23' 00" 30° 20' 30" 81° 37' 30"



10 FEET
MEAN LOW WATER
MEAN HIGH WATER



QUADRANGLE LOCATION

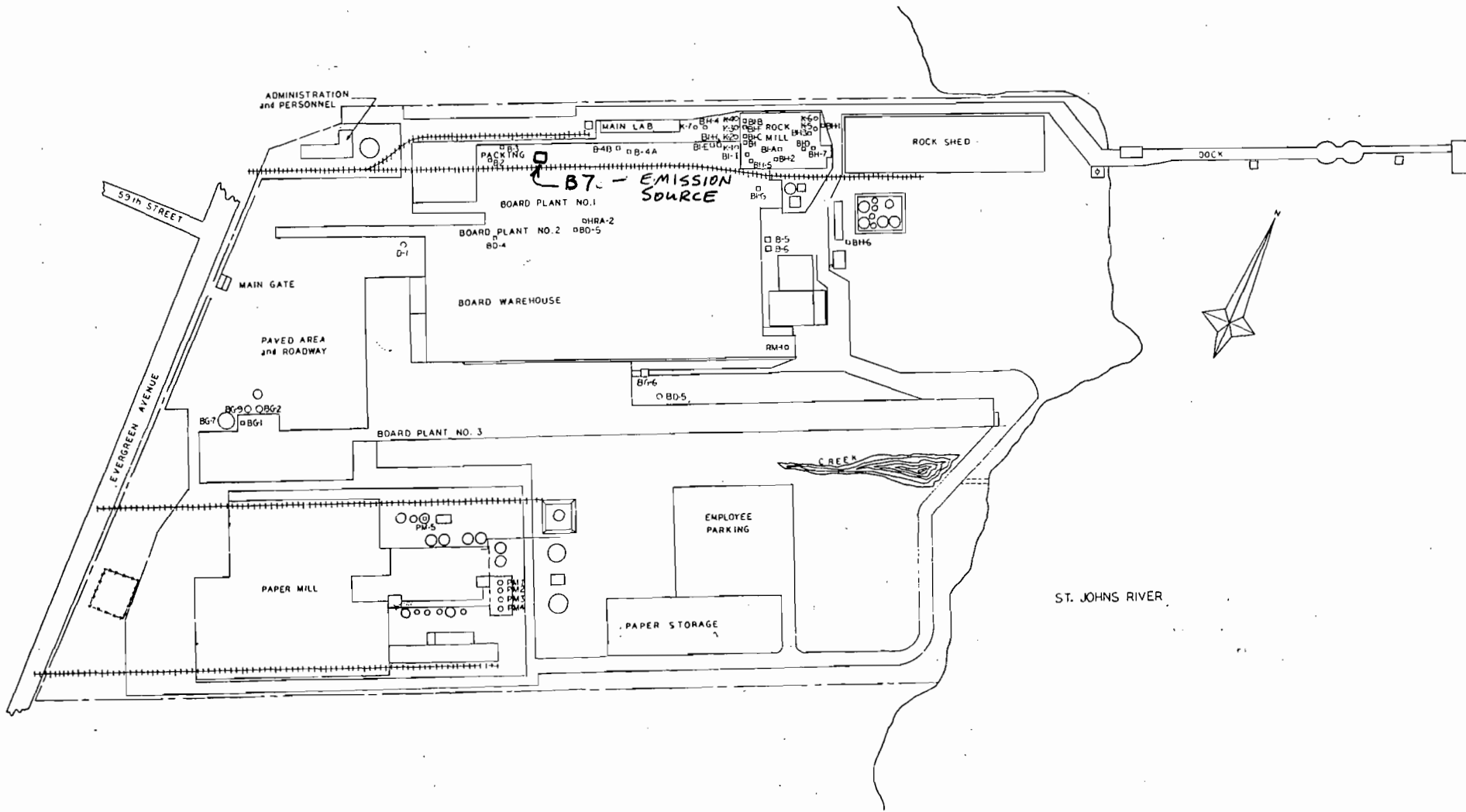
- Heavy duty ——— Light duty
- Medium-duty - - - - - Unimproved dirt
- Interstate Route ◻ U. S. Route ○ State Route

TROUT RIVER, FLA.

N 3022.5—W 8137.5

1964
PHOTOGRAPHED BY
AMS 464 LNW SECS 1384

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- 1- REMOVE ALL DIMENSIONS UNLESS SPECIALLY NOTED OTHERWISE.
- 2- DO NOT SCALE DRAWINGS.
- 3- DIMENSIONS ARE TO BE TAKEN AS SHOWN UNLESS OTHERWISE SPECIFIED.

DRAWN BY: D. KOSCIELNIAK 10/74

CHECKED BY: _____

APPROVED BY: _____

SCALE: 1" = 80'-0"

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AIR POLLUTION SOURCES

553 J-A

REV. (3)

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TEXTURES

BULK CALCIUM CARBONATE UNLOADING AND CONVEYING SYSTEM

AUTH.

DATE 11-2-88

DR. J. PARNELL

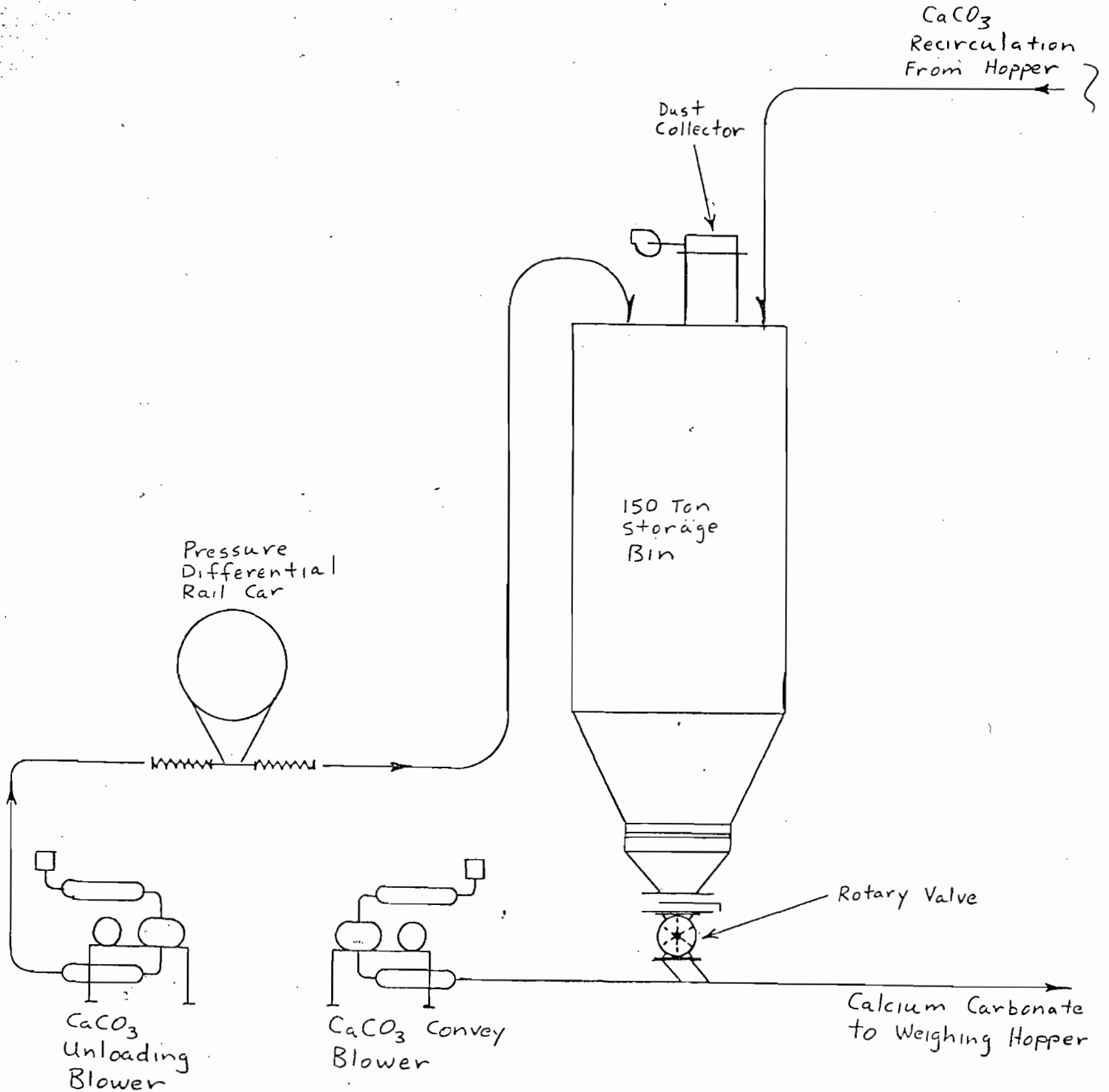
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