

No. 0158703
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		Mr. Dan J. Nootens
STREET AND NO.		
P.O., STATE AND ZIP CODE		
POSTAGE		\$
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	OPTIONAL SERVICES	
	RETURN RECEIPT SERVICE	¢
	SHOW TO WHOM AND DATE DELIVERED	¢
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES		\$
POSTMARK OR DATE		7/2/85

PS Form 3800, Apr. 1976

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

● **SENDER: Complete items 1, 2, 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 service(s) requested.

- Show to whom, date and address of delivery.
- Restricted Delivery.

3. Article Addressed to:
 Mr. Dan J. Nootens
 United States Gypsum Co.
 6825 Evergreen Ave.
 Jacksonville, FL 32208

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	0158703

Always obtain signature of addressee or agent and **DATE DELIVERED.**

- Signature - Addressee
X
- Signature - Agent
X
- Date of Delivery
- Addressee's Address (ONLY if requested and fee paid)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMITS

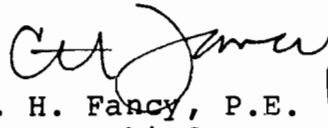
Mr. Dan J. Nootens
Works Manager
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

June 28, 1985

Enclosed are Permit Numbers AC 16-099459, AC 16-099801, and AC 16-099803 to United States Gypsum Company to construct a railcar bulk unloading system for the Ready-Mix plant, issued pursuant to Section 403, Florida Statutes.

Any Party to these permits has the right to seek judicial review of the permits 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 32301; 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 these permits are filed with the clerk of the Department.

Sincerely,

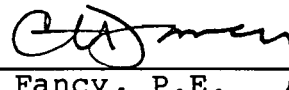

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Enclosure

cc: J. Cole
J. Woosley
D. Koscielniak
J. Rabe

CERTIFICATION

This is to certify that the foregoing Notice of Permit and all copies requested were mailed before the close of business on 2 JULY, 1985.



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management
2600 Blair Stone Road
Tallahassee, Florida 32301

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.

Patricia G. Adams July 2, 1985
Clerk Date

Final Determination

United States Gypsum Company
Jacksonville, Duval County, Florida

Material Unloading and Storage in Ready-Mix Operation

Permit Numbers:

AC 16-099459
16-099801
16-099803

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

June 20, 1985

Final Determination

United States Gypsum Company's application for permits to construct a railcar bulk unloading system for the Ready-Mix plant at their existing facility in Jacksonville, Duval County, Florida, has been reviewed by Bureau of Air Quality Management. Public Notice of the department's Intent to Issue the permits was published in the Florida Times Union on May 1, 1985.

A comment was received from Bio-Environmental Services Division (BES) in Jacksonville requesting a change in Specific Condition No. 9 (see attachment No. 5) to ensure that the application for an operating permit goes to BES rather than to the Northeast District office. The final action of the department will be to issue the permits as proposed in the preliminary determination with an amended Specific Condition No. 9 as per BES's request.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

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

Permit Number: AC 16-099801
Expiration Date: June 1, 1986
County: Duval
Latitude/Longitude: 30° 22' 52"N/
81° 38' 01"W
Project: Limestone Transfer and
Storage into Limestone Bin

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 drawings, 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 bulk material storage system for limestone, with the necessary connections to the vacuum receiver and to the dust collector for limestone particulate.

Construction shall be in accordance with the attached permit application unless otherwise stated in the general and specific conditions herein.

Attachments are as follows:

1. Application to construct an Air Pollution Source, DER Form 17-1.202(1) dated February 5, 1985.
2. Letter from Bio-Environmental Services Division dated February 28, 1985.
3. Letter of Incompleteness dated February 28, 1985.
4. U.S. Gypsum's letter dated March 4, 1985.
5. Letter from BESD dated May 2, 1985.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

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 Number: AC 16-099801
Expiration Date: June 1, 1986

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

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 Permit Number: AC 16-099801
Company Expiration Date: June 1, 1986

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 railcar bulk unloading system operating hours shall not exceed 12 hrs/day and 250 days/yr.
2. Limestone bulk material storage transfer rate shall not exceed 50,000 lbs/hr.
3. The total particulate matter emissions from the limestone dust collector shall not exceed 0.03 gr/dscf (0.6 TPY).

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

4. The visible emissions shall not exceed 5% opacity. Compliance with this standard shall be determined by EPA Method 9, visual determination of the opacity for emissions from stationary sources.

5. Construction shall reasonably conform to the information submitted in this application.

6. Following the completion of the construction and prior to the expiration of this permit, an initial compliance test shall be performed for the dust collector.

7. Compliance tests shall be performed at 90-100% of the rated unloading capacity.

8. A fifteen day prior notification of the compliance testing date shall be given to the DER's Northeast District Air Quality office and Duval County's Bio-Environmental Services office.

9. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the BESD office 90 days prior to the expiration date of the construction permit.

10. Upon obtaining an operating permit, the applicant will be required to submit annual reports on the actual operation and emissions of the source to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

11. Any delay in the construction or completion of this project shall be reported to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

Issued this 21 day of June, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

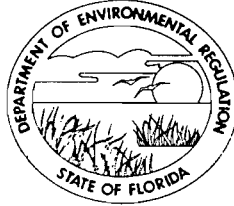


VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

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

Permit Number: AC 16-099803
Expiration Date: June 1, 1986
County: Duval
Latitude/Longitude: 30° 22' 52"N/
81° 38' 01"W
Project: Talc Transfer and
Storage into Talc Bin

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 drawings, 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 bulk material storage system for talc, with the necessary connections to the vacuum receiver and to the dust collector for talc particulate.

Construction shall be in accordance with the attached permit application unless otherwise stated in the general and specific conditions herein.

Attachments are as follows:

1. Application to construct an Air Pollution Source, DER Form 17-1.202(1) dated February 5, 1985.
2. Letter from Bio-Environmental Services Division dated February 28, 1985.
3. Letter of Incompleteness dated February 28, 1985.
4. U.S. Gypsum's letter dated March 4, 1985.
5. Letter from BESD dated May 2, 1985.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

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 Number: AC 16-099803
Expiration Date: June 1, 1986

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

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 Number: AC 16-099803
Expiration Date: June 1, 1986

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 railcar bulk unloading operating system hours shall not exceed 12 hrs/day and 250 days/yr.
2. Talc bulk material storage transfer rate shall not exceed 60,000 lbs/hr.
3. The total particulate matter emissions from the talc dust collector shall not exceed 0.03 gr/dscf (0.6 TPY).

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

4. The visible emissions shall not exceed 5% opacity. Compliance with this standard shall be determined by EPA Method 9, visual determination of the opacity for emissions from stationary sources.
5. Construction shall reasonably conform to the information submitted in this application.
6. Following the completion of the construction and prior to the expiration of this permit, an initial compliance test shall be performed for the dust collector.
7. Compliance tests shall be performed at 90-100% of the rated unloading capacity.
8. A fifteen day prior notification of the compliance testing date shall be given to the DER's Northeast District Air Quality office and Duval County's Bio-Environmental Services office.
9. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the BESD office 90 days prior to the expiration date of the construction permit.
10. Upon obtaining an operating permit, the applicant will be required to submit annual reports on the actual operation and emissions of the source to the DER's Northeast District office and Duval County's Bio-Environmental Services office.
11. Any delay in the construction or completion of this project shall be reported to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

Issued this 21 day of June, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

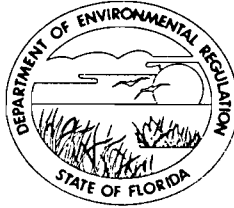


VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

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

Permit Number: AC 16-099459
Expiration Date: June 1, 1986
County: Duval
Latitude/Longitude: 30° 22' 52"N/
81° 38' 01"W
Project: Material Unloading,
Transfer and Storage

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 drawings, 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 railcar bulk unloading system consisting of a vacuum receiver and the necessary connections to the railcar, and to the raw material storage bins, as well as the dust collector.

Construction shall be in accordance with the attached permit application unless otherwise stated in the general and specific conditions herein.

Attachments are as follows:

1. Application to construct an Air Pollution Source, DER Form 17-1.202(1) dated February 5, 1985.
2. Letter from Bio-Environmental Services Division dated February 28, 1985.
3. Letter of Incompleteness dated February 28, 1985.
4. U.S. Gypsum's letter dated March 4, 1985.
5. Letter from BESD dated May 2, 1985.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099459
Expiration Date: June 1, 1986

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 Number: AC 16-099459
Expiration Date: June 1, 1986

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: United States Gypsum Permit Number: AC 16-099459
Company Expiration Date: June 1, 1986

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 Permit Number: AC 16-099459
Company Expiration Date: June 1, 1986

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 railcar bulk unloading system operating hours shall not exceed 12 hrs/day and 250 days/yr.
2. The unloading rate shall not exceed 60,000 lb/hr for either talc or limestone.
3. The total particulate matter emissions shall not exceed 0.03 gr/dscf (0.9 TPY) from the dust collector.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099459
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

4. The visible emissions shall not exceed 5% opacity. Compliance with this standard shall be determined by EPA Method 9, visual determination of the opacity for emissions from stationary sources.
5. Construction shall reasonably conform to the information submitted in this application.
6. Following the completion of the construction and prior to the expiration of this permit, an initial compliance test shall be performed for the dust collector.
7. Compliance tests shall be performed at 90-100% of the rated unloading capacity.
8. A fifteen day prior notification of the compliance testing date shall be given to the DER's Northeast District Air Quality office and Duval County's Bio-Environmental Services office.
9. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the BESD office 90 days prior to the expiration date of the construction permit.
10. Upon obtaining an operating permit, the applicant will be required to submit annual reports on the actual operation and emissions of the source to the DER's Northeast District office and Duval County's Bio-Environmental Services office.
11. Any delay in the construction or completion of this project shall be reported to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099459
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

Issued this 21 day of June, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



VICTORIA J. ESCHINKEL, Secretary

___ pages attached.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Victoria J. Tschinkel
 FROM: *Al George* Clair Fancy
 DATE: June 20, 1985
 SUBJ: Approval of Attached Air Construction Permits

DER
 JUN 24 1985
 BAQM

Attached for your approval and signature are three Air Construction Permits to United States Gypsum Company to construct a railcar bulk unloading system for the Ready-Mix plant at their existing facility in Jacksonville, Duval County, Florida.

Day 90, after which the permits would be issued by default, is June 27, 1985.

The Bureau recommends your approval and signature.

CF/pa

Attachment

RECEIVED
 JUN 21 1985

Office of the Secretary

Check Sheet

Company Name: United States Gypsum Company
Permit Number: AC16-099759, -099801, -099803
PSD Number: _____
Permit Engineer: _____

Application:

- | | |
|---|--------------------------|
| <input checked="" 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

DEPARTMENT OF HEALTH, WELFARE
& BIO-ENVIRONMENTAL SERVICES
Bio-Environmental Services Division
Air and Water Pollution Control

DER
MAY 6 1985
BAQM



May 2, 1985

Mr. Clair Fancy, P.E.
Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blainstone Road
Tallahassee, Florida 32301

DER
MAY 6 1985
BAQM

Re: U.S. Gypsum
Ready Mix Operation
Proposed Permits:
AC16-099459
AC16-099801
AC16-099803

Dear Mr. Fancy:

Bio-Environmental Services Division(BESD) has reviewed the captioned items including the Technical Evaluation and Preliminary Determination and offers the following comment:

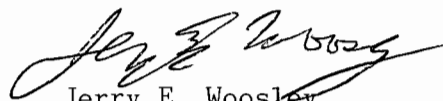
Specific Condition No. 9 should read as follows:

9. The applicant shall demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the BESD office 90 days prior to the expiration date of the construction permit.

This change is requested in order to expedite processing of the operating permit application in accordance with the local program agreement.

If BESD may be of further assistance, please advise.

Very truly yours,


Jerry E. Woosley
Assistant Engineer

JEW/vj

cc: Mr. John Brown, P.E. - DER
cc: BESD/File 2370-II





FLORIDA PUBLISHING COMPANY

Publishers

JACKSONVILLE, DUVAL COUNTY, FLORIDA

STATE OF FLORIDA } COUNTY OF DUVAL }

Before the undersigned authority personally appeared George A. Dan

who on oath says that he is

Retail Advertising Manager of The Florida Times-Union, and

Jacksonville Journal, daily newspapers published at Jacksonville in Duval County,

Florida; that the attached copy of advertisement, being a legal notice

in the matter of Construct a railcar bulk unloading system

in the Court,

was published in the Florida Times Union

in the issues of May 1

Affiant further says that the said The Florida Times-Union and Jacksonville Journal are each newspapers published at Jacksonville, in said Duval County, Florida, and that the said newspapers have each heretofore been continuously published in said Duval County, Florida, The Florida Times-Union each day, and Jacksonville Journal each day except Sundays, and each 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 preceding 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 1st day of

May A.D. 19 85

Notary Public, State of Florida at Large.

Handwritten signature of George A. Dan

My Commission Expires

DER MAY 6 1985 BAQM

State of Florida Department of Environmental Regulation Notice of Proposed Agency Action on Permit Applications The Department of Environmental Regulation gives notice of its intent to issue a permit to United States Gypsum Company to construct a railcar bulk unloading system for their raw materials, limestone and talc, at the applicant's existing facility in Jacksonville, Duval County, Florida. Persons 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 conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing 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. 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 preliminary statement. Therefore, persons who may not object to the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes. 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 Health, Welfare, & Bio-Env. Services Bio-Environmental Services Division Air and Water Pollution Control 515 West 6th Street Jacksonville, Florida 32206 Department of Environmental Regulation Bureau of Air Quality Management 2600 Blair Stone Road Tallahassee, Florida 32301 Any persons may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 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 service(s) requested.

- Show to whom, date and address of delivery.
- Restricted Delivery.

3. Article Addressed to:
 Mr. Dan J. Nootens, Works Mgr.
 U.S. Gypsum Company
 6825 Evergreen Ave.
 Jacksonville, FL 32208

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	0155550

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
[Handwritten Signature]

6. Signature - Agent
 X

7. Date of Delivery
 4-26-85

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



No. 0155550

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

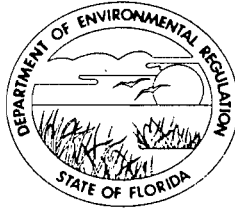
(See Reverse)

SENT TO		Mr. Dan J. Nootens
STREET AND NO.		
P.O., STATE AND ZIP CODE		
POSTAGE		\$
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	OPTIONAL SERVICES:	
	RETURN RECEIPT SERVICE:	
	SHOW TO WHOM AND DATE DELIVERED	¢
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢	
TOTAL POSTAGE AND FEES		\$
POSTMARK OR DATE		4/25/85

PS Form 3800, Apr. 1976

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

April 25, 1985

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Dan J. Nootens, Manager
Works Manager
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

Dear Mr. Nootens:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct a railcar bulk unloading system at you existing facility in Jacksonville.

Before final action can be taken on your draft permit, you are required by Florida Administrative Code Rule 17-103.150 to publish the attached Notice of Proposed Agency Action in the legal advertising section of a newspaper of general circulation in Duval County no later than fourteen days after receipt of this letter. The department must be provided with proof of publication within seven days of the date the notice is published. Failure to publish the notice may be grounds for denial of the permit.

Please submit, in writing, any comments which you wish to have considered concerning the department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

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

CHF/pa

Attachments

cc: J. Woosley
J. Cole
D. Koscielniak
J. Rabe

State of Florida
Department of Environmental Regulation
Notice of Proposed Agency Action
on Permit Applications

The Department of Environmental Regulation gives notice of its intent to issue a permit to United States Gypsum Company to construct a railcar bulk unloading system for their raw materials, limestone and talc, at the applicant's existing facility in Jacksonville, Duval County, Florida.

Persons 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 conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing 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.

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 preliminary statement. Therefore, persons who may not object to the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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 Health, Welfare, & Bio-Env. Services
Bio-Environmental Services Division
Air and Water Pollution Control
515 West 6th Street
Jacksonville, Florida 32206

Department of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301

Any persons may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of an)	
Application for Permit by:)	
)	
United States Gypsum Company)	DER File No. AC 16-099459
6825 Evergreen Avenue)	16-099801
Jacksonville, Florida 32208)	16-099803

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its Intent to Issue, and proposed order of issuance for, a permit pursuant to Chapter 403, Florida Statutes, 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 February 12, 1985, to DER for a permit to construct a railcar bulk unloading system for raw materials, talc and limestone, at the applicant's existing facility 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 applicant was officially notified by the Department that an air construction permit was required for the proposed work.

This intent to issue shall be placed before the Secretary for final action unless an appropriate petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes, is filed within fourteen (14) days from receipt of this letter or

publication of the public notice (copy attached) required pursuant to Rule 17-103.150, Florida Administrative Code, whichever occurs first. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code (copy attached), and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301.

Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department. In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

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 proposed agency action. Therefore, persons who may not wish to file a petition, may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of

Administrative Hearings, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

Executed the 25 day of April, 1985, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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

Copies furnished to:

Jerry E. Woosley
Duval County Dept. of Health
Welfare & Bio-Environmental Service
515 W. 6th Street
Jacksonville, Florida 32206

Johnny Cole
DER, Northeast District
3426 Bills Road
Jacksonville, Florida 32207

David Koscielniak
U.S. Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

James R. Rabe
Technical Manager
Corporate Environmental Services
U.S.G. Corporation
101 South Wacker Drive
Chicago, Illinois 60606-4385

CERTIFICATION

This is to certify that the foregoing Intent to Issue and all copies were mailed before the close of business on April 25, 1985.

for *C. H. Fancy, P.E.*
C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management
2600 Blair Stone Road
Tallahassee, Florida 32301

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

Patricia B. Adams *4/25/85*
Clerk Date

Technical Evaluation
and
Preliminary Determination

United States Gypsum Company
Jacksonville, Duval County, Florida

Material Unloading and Storage in Ready-Mix Operation

Permit Numbers:

AC 16-099459
16-099801
16-099803

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

April 25, 1985

I. Application Review

A. Applicant

United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208

B. Project and Location

The applicant proposes to construct a railcar bulk unloading system which will include storage bins for the incoming raw materials. The project will be located at the applicant's existing facility in Duval County. The universal transverse mercator (UTM) coordinates of the source are: Zone 17, 438.9 km East, 3361.2 km North.

C. Sources Reviewed

This application has been submitted for these new sources:

<u>Source</u>	<u>Permit Number</u>
Unloading Receiver	AC 16-099459 (RM2)
Limestone Storage Bin	AC 16-099801 (RM3)
Talc Storage Bin	AC 16-099803 (RM4)

D. Standard Industrial Classification Code (SIC)

The facility is classified as:

Group No. 327, Concrete Gypsum & Plaster Products
Industry No. 3275, Gypsum Products

E. Facility Category

U.S. Gypsum is classified as a major emitting facility for the air pollutant, particulate matter.

F. Application Completeness Date

(i) Initial application : February 12, 1985
(ii) Application deemed complete: March 5, 1985

II. Project Description

A. Project and Controls

The applicant proposes to install a railcar bulk unloading system for the raw materials, talc and limestone, used in ready-mix production. The operation will involve pneumatic transfer of

the material from the railcar to a receiver, and then to storage bins.

Unsettled particulate matter will be vented from the receiver and the two storage bins after passing through their respective dust collectors. All three material-handling silos will be equipped with baghouses.

B. Operating Times and Rates

The bulk unloading and storage system will be operated 12 hrs/day and 250 days/yr. The maximum material handled will be 50,000 lbs/hr for limestone and 60,000 lbs/hr for talc.

C. Background Information

The previous method of material unloading and storage in the ready-mix plant led to a higher particulate matter concentration within the facility and was, also, more labor intensive. Raw material in bags was unloaded from trucks and then manually emptied into the hoppers of the storage bins.

The proposed system will be able to handle the unloading and storage process with greater speed and better overall efficiency.

III. Rule Applicability

The proposed project is subject to preconstruction review under Chapter 403, Florida Statutes, and Florida Administrative Code (FAC) Rules 17-2 and 17-4.

The proposed project is located in an area of influence of a nonattainment area (downtown Jacksonville, Duval County), for the air pollutant particulate matter under FAC Rule 17-2.410(2)(a)2.

The proposed project will not be subject to the New Source Review for Nonattainment Area standards, because the particulate matter emissions will be below the significant levels, FAC Rule 17-2.510(2)(d)4.a.

The proposed project shall be permitted under FAC Rule 17-2.520, Sources Not Subject to PSD (Prevention of Significant Deterioration) or Nonattainment Requirements.

The proposed project shall comply with FAC Rule 17-2.650(2)(c)11., Material Handling, Sizing, Screening, Crushing and Grinding Operations. The emissions under this rule specify a maximum limit for particulate matter loading at 0.03 gr/dscf of gas and a visible emissions limit of 5% opacity.

The proposed project shall carry out compliance tests using 5% opacity emission limit as proposed under 17-2.700(1)(d)6., where a materials handling source is equipped with a baghouse. Compliance tests shall be conducted for visible emissions using EPA Method 9 and shall be in accordance with FAC Rule 17-2.700(1)(d)1.b.

IV. Source Impact Analysis

A. Emission Limitation

The proposed project will emit the pollutant particulate matter. The emissions will be controlled by dust collectors on all three sources. The emissions are summarized below.

Source	Bag House Capacity	Hours of Operation/Yr	VE (opacity)	Emission TPY
Material Receiver	2300 SCF	3000	5%	0.887
Limestone Bin	1500 SCF	3000	5%	0.579
Talc Bin	1500 SCF	3000	5%	0.579
Total				2.045

This table is based on the allowable emission rate of 0.03 gr/dscf.

B. Air Quality Anlysis

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 submitted by the applicant, the technical review concluded that the sources will be in compliance with the state air quality regulations provided the general and specific conditions of the construction permit are fulfilled.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

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

Permit Number: AC 16-099459
Expiration Date: June 1, 1986
County: Duval
Latitude/Longitude: 30° 22' 52"N
81° 38' 01"W/
Project: Material Unloading,
Transfer and Storage

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 drawings, 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 railcar bulk unloading system consisting of a vacuum receiver and the necessary connections to the railcar, and to the raw material storage bins, as well as the dust collector.

Construction shall be in accordance with the attached permit application unless otherwise stated in the general and specific conditions herein.

Attachments are as follows:

1. Application to construct an Air Pollution Source, DER Form 17-1.202(1) dated February 5, 1985.
2. Letter from Bio-Environmental Services Division dated February 28, 1985.
3. Letter of Incompleteness dated February 28, 1985.
4. U.S. Gypsum's letter dated March 4, 1985.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099459
Expiration Date: June 1, 1986

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 Number: AC 16-099459
Expiration Date: June 1, 1986

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: United States Gypsum Permit Number: AC 16-099459
Company Expiration Date: June 1, 1986

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 Permit Number: AC 16-099459
Company Expiration Date: June 1, 1986

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 railcar bulk unloading system shall not exceed 12 hrs/day and 250 days/yr.
2. The unloading rate shall not exceed 60,000 lb/hr for either talc or limestone.
3. The total particulate matter emissions shall not exceed 0.03 gr/dscf (0.9 TPY) from the dust collector.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099459
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

4. The visible emissions shall not exceed 5% opacity. Compliance with this standard shall be determined by EPA Method 9, visual determination of the opacity for emissions from stationary sources.

5. Construction shall reasonably conform to the information submitted in this application.

6. Following the completion of the construction and prior to the expiration of this permit, an initial compliance test shall be performed for the dust collector.

7. Compliance tests shall be performed at 90-100% of the rated unloading capacity.

8. A fifteen day prior notification of the compliance testing date shall be given to the DER's Northeast District Air Quality office and Duval County's Bio-Environmental Services office.

9. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the Department's Northeast District office 90 days prior to the expiration date of the construction permit.

10. Upon obtaining an operating permit, the applicant will be required to submit annual reports on the actual operation and emissions of the source to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

11. Any delay in the construction or completion of this project shall be reported to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099459
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

Issued this ___ day of _____, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

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

Permit Number: AC 16-099801
Expiration Date: June 1, 1986
County: Duval
Latitude/Longitude: 30° 22' 52"N
81° 38' 01"W/
Project: Limestone Transfer and
Storage into Limestone Bin

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 drawings, 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 bulk material storage system for limestone, with the necessary connections to the vacuum receiver and to the dust collector for limestone particulate.

Construction shall be in accordance with the attached permit application unless otherwise stated in the general and specific conditions herein.

Attachments are as follows:

1. Application to construct an Air Pollution Source, DER Form 17-1.202(1) dated February 5, 1985.
2. Letter from Bio-Environmental Services Division dated February 28, 1985.
3. Letter of Incompleteness dated February 28, 1985.
4. U.S. Gypsum's letter dated March 4, 1985.

ERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

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 Number: AC 16-099801
Expiration Date: June 1, 1986

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: United States Gypsum Permit Number: AC 16-099801
Company Expiration Date: June 1, 1986

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 Permit Number: AC 16-099801
Company Expiration Date: June 1, 1986

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 railcar bulk unloading system shall not exceed 12 hrs/day and 250 days/yr.
2. Limestone bulk material storage transfer rate shall not exceed 50,000 lbs/hr.
3. The total particulate matter emissions from the limestone dust collector shall not exceed 0.03 gr/dscf (0.6 TPY).

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

4. The visible emissions shall not exceed 5% opacity. Compliance with this standard shall be determined by EPA Method 9, visual determination of the opacity for emissions from stationary sources.
5. Construction shall reasonably conform to the information submitted in this application.
6. Following the completion of the construction and prior to the expiration of this permit, an initial compliance test shall be performed for the dust collector.
7. Compliance tests shall be performed at 90-100% of the rated unloading capacity.
8. A fifteen day prior notification of the compliance testing date shall be given to the DER's Northeast District Air Quality office and Duval County's Bio-Environmental Services office.
9. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the Department's Northeast District office 90 days prior to the expiration date of the construction permit.
10. Upon obtaining an operating permit, the applicant will be required to submit annual reports on the actual operation and emissions of the source to the DER's Northeast District office and Duval County's Bio-Environmental Services office.
11. Any delay in the construction or completion of this project shall be reported to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099801
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

Issued this ___ day of _____, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

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

Permit Number: AC 16-099803
Expiration Date: June 1, 1986
County: Duval
Latitude/Longitude: 30° 22' 52"N/
81° 38' 01"W
Project: Talc Transfer and
Storage into Talc Bin

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 drawings, 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 bulk material storage system for talc, with the necessary connections to the vacuum receiver and to the dust collector for talc particulate.

Construction shall be in accordance with the attached permit application unless otherwise stated in the general and specific conditions herein.

Attachments are as follows:

1. Application to construct an Air Pollution Source, DER Form 17-1.202(1) dated February 5, 1985.
2. Letter from Bio-Environmental Services Division dated February 28, 1985.
3. Letter of Incompleteness dated February 28, 1985.
4. U.S. Gypsum's letter dated March 4, 1985.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

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 Number: AC 16-099803
Expiration Date: June 1, 1986

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: United States Gypsum Permit Number: AC 16-099803
Company Expiration Date: June 1, 1986

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 Permit Number: AC 16-099803
Company Expiration Date: June 1, 1986

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 railcar bulk unloading system shall not exceed 12 hrs/day and 250 days/yr.
2. Talc bulk material storage transfer rate shall not exceed 60,000 lbs/hr.
3. The total particulate matter emissions from the talc dust collector shall not exceed 0.03 gr/dscf (0.6 TPY).

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

4. The visible emissions shall not exceed 5% opacity. Compliance with this standard shall be determined by EPA Method 9, visual determination of the opacity for emissions from stationary sources.
5. Construction shall reasonably conform to the information submitted in this application.
6. Following the completion of the construction and prior to the expiration of this permit, an initial compliance test shall be performed for the dust collector.
7. Compliance tests shall be performed at 90-100% of the rated unloading capacity.
8. A fifteen day prior notification of the compliance testing date shall be given to the DER's Northeast District Air Quality office and Duval County's Bio-Environmental Services office.
9. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the Department's Northeast District office 90 days prior to the expiration date of the construction permit.
10. Upon obtaining an operating permit, the applicant will be required to submit annual reports on the actual operation and emissions of the source to the DER's Northeast District office and Duval County's Bio-Environmental Services office.
11. Any delay in the construction or completion of this project shall be reported to the DER's Northeast District office and Duval County's Bio-Environmental Services office.

PERMITTEE: United States Gypsum
Company

Permit Number: AC 16-099803
Expiration Date: June 1, 1986

SPECIFIC CONDITIONS:

Issued this ___ day of _____, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 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 service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Mr. Dan J. Nootens
 United States Gypsum Co.
 6825 Evergreen Ave.
 Jacksonville, FL 32208

4. Type of Service: Article Number
 Registered Insured
 Certified COD 0158694
 Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

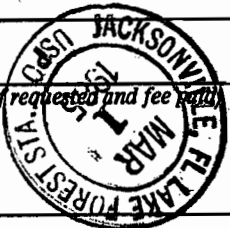
5. Signature - Addressee
 X *Caroline Powriaw*

6. Signature - Agent
 X

7. Date of Delivery
 3-1-85

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



No. 0158694
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO: Mr. Dan J. Nootens
 STREET AND NO: United States Gypsum
 P.O., STATE AND ZIP CODE: 6825 Evergreen Ave
 POSTAGE: Jacksonville, FL 32208

CONSULT POSTMASTER FOR FEES	CERTIFIED FEE		¢	
	SPECIAL DELIVERY		¢	
	RESTRICTED DELIVERY		¢	
	OPTIONAL SERVICES	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	¢
			SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢	
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢	
TOTAL POSTAGE AND FEES			\$	
POSTMARK OR DATE				
3/1/85				

PS Form 3800, Apr. 1976

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

February 28, 1985

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Dan J. Nootens
Works Manager
United States Gypsum Company
6825 Evergreen Avenue
Jacksonville, Florida 32208



Dear Mr. Nootens:

RE: ~~Completeness Review for the Application to Construct~~
Air Pollution Sources - Permit Nos.: AC 16-099459 (RM-2),
-099801 (RM-3), and -099803 (RM-4)

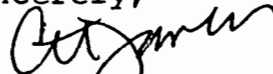
The department is in receipt of Mr. David A. Koscielniak's transmittal letter, dated February 11, 1985, and application package. The bureau has reviewed the application package and finds it incomplete. Before the status of the application package can be determined, you must submit to the bureau the following data, including all calculations, assumptions and reference material:

- ° Remit to the Department of Environmental Regulation the amount of \$200, which is the appropriate fee in accordance with FAC Rule 17-4 for the two proposed new sources, RM-3 and RM-4, whose potential emissions of particulate matter (PM) are each less than 25 tons per year.
- ° Since the proposed new sources are subject to FAC 17-2.650(2)c.11, calculate the potential PM emissions in lbs/hr and TPY per source using the allowable emission limit of 0.03 gr/dscf.

Mr. Dan J. Nootens
Page Two
February 28, 1985

If there are any questions, please call Bruce Mitchell at
(904)488-1344, or write to me at the above address.

Sincerely,



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

DHF/BM/rw

cc: Don C. Summerfield - BES
John C. Brown, Jr., NE District
Ragan M. Womack
David A. Koscielniak

DEPARTMENT OF HEALTH, WELFARE
& BIO-ENVIRONMENTAL SERVICES
Bio-Environmental Services Division
Air and Water Pollution Control

February 28, 1985

DER
MAR 1 1985
BAQM



Mr. Bruce Mitchell
Central Air Permitting Section
Bureau of Air Quality Management
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blainstone Road
Tallahassee, Florida 32301

Re: U.S. Gypsum Redi-Mix Operation Modification

Dear Mr. Mitchell:

Subsequent to our recent discussion on the above captioned permit application, the Staff has the following comments concerning the modification and new construction of U.S. Gypsum's Redi-Mix (joint compound) process.

- (1) The bulk rail unloading operation located across the street from the Redi-Mix processing is a material handling and storage operation and is a new air pollution source to the facility. These operations which include the vacuum receiver and baghouse and two storage silos and their respective control devices should be permitted as new sources.
- (2) The .02 grains/ft³ used in the permit application calculations is a value the permittee alleges can be achieved by the control devices (baghouses). The Staff has no conflict at this time in allowing the .03 grains/ft³ per 17-2, Florida Administrative Code, for the permitted conditions.

If there are any questions concerning these comments or the Redi-Mix operation itself, please do not hesitate to call.

Very truly yours,

Don Summerfield
Don Summerfield
Assistant Engineer

DS/cb

cc: Mr. John Brown, DER
Mr. David R. Koscielniak, U.S. Gypsum
File/2370-II



UNITED STATES GYPSUM COMPANY //

Post Office Box 3197/Jacksonville, Florida 32206-0197 //

March 4, 1985

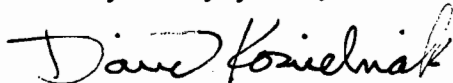
C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

Dear Mr. Fancy:

Enclosed are the additions you requested to complete the Application to Construct Air Pollution Sources, Permit Nos. AC 16-099459 (RM-2), -099801 (RM-3), and -099803 (RM-4). The additions include a \$200.00 fee and an addendum showing calculations of the potential PM emissions using the allowable emission limit of 0.03 gr./dscf. The addendum should be attached to the permit application previously submitted.

Please contact me if I can be of any further assistance.

Very truly yours,



David Koscielniak
Project Engineer

DK:jw

Encl.

DER
MAR 5 1985
BAQM

ADDENDUM TO AIR POLLUTION APPLICATION - READY MIX

Allowable Emissions

Unloading

$$2300 \frac{\text{Ft.}^3}{\text{Min.}} * 0.03 \frac{\text{grains}}{\text{Ft.}^3} * 60 \frac{\text{Min.}}{\text{Hr.}} * \frac{1 \text{ Lb.}}{7000 \text{ Grains}} = 0.591 \frac{\text{Lbs.}}{\text{Hr.}}$$

$$0.591 \frac{\text{Lbs.}}{\text{Hr.}} * 12 \frac{\text{Hrs.}}{\text{Day}} * 250 \frac{\text{Days}}{\text{Year}} * \frac{1 \text{ Ton}}{2000 \text{ Lbs.}} = 0.887 \text{ Tons/Year}$$

Storage Bins (Total for both)

$$1500 \frac{\text{Ft.}^3}{\text{Min.}} * 0.03 \frac{\text{Grains}}{\text{Ft.}^3} * 60 \frac{\text{Mins.}}{\text{Hour}} * \frac{1 \text{ Lb.}}{7000 \text{ Grains}} = 0.386 \text{ Lbs./Hour}$$

$$0.386 \frac{\text{Lbs.}}{\text{Hour}} * 12 \frac{\text{Hrs.}}{\text{Day}} * 250 \frac{\text{Days}}{\text{Year}} * \frac{1 \text{ Ton}}{2000 \text{ Lbs.}} = 0.579 \text{ Tons/Year}$$

UNITED STATES GYPSUM COMPANY

Post Office Box 3197/Jacksonville, Florida 32206-0197

February 11, 1985

Mr. C. H. Fancy, P.E.
Deputy Bureau Chief
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

DER
FEB 12 1985
BAQM

Dear Mr. Fancy:

An authority has recently been approved to increase the capacity of our Ready-Mix (Joint Compound) facility. The scope of the project includes altering the existing source RM-1, permitted under the existing operating permit No. A016-94408, to vent inside of the building. The project also includes provisions for bulk rail car unloading of talc and carbonate which will add three dust collector sources: one dust collector to vent the carbonate bin, one dust collector to vent the talc bin, and a dust collector in the receiver-hopper unit used to unload the rail cars.

Although the project includes changing the number of sources from one to three, the overall actual yearly emissions decrease from the existing permit. We are requesting to modify the existing operating permit, A016-94408, to incorporate the changes occurring as a result of this expansion.

Timing is critical on this project, so it is imperative to expedite permitting so as not to delay construction activities. Specifications that justify the efficiency of the bag collectors requested in this modification are accompanying the permit. Please contact me if I can be of any further assistance.

Very truly yours,



David A. Koscielniak
Project Engineer

DAK:jw

Encl.

Copy to Mr. D. C. Summerfield, Assistant Engineer,
Bio-Environmental Services Division
Jacksonville, Florida

USG CORPORATION

CHICAGO, ILLINOIS 60606

THE NORTHERN TRUST COMPANY
PAYABLE THRU
NORTHERN TRUST BANK-NAPERVILLE
NAPERVILLE, ILLINOIS

No. 03578

719

BEST AVAILABLE COPY

CHECK AMOUNT ONE HUNDRED & 00/100

02/01/85

PAY TO THE ORDER OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

AMOUNT
\$100.00

MANUAL SIGNATURE REQUIRED IF OVER \$10,000
AUTHORIZED SIGNATURE

DETACH BEFORE CASHING CHECK

03578

INVOICE DATE MO. DAY YR.	INVOICE NO.	PLAN NO.	REFERENCE	VENDOR NO.	AMOUNT
02/01/85					\$100.00
				REMITTANCE ADVICE	
				USG CORPORATION CHICAGO, ILLINOIS	
				CHECK TOTAL →	\$100.00

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No. 76063

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from USG Corporation Date Feb. 12, 1985

Address Chicago, Illinois 60606 Dollars \$ 100.00

Applicant Name & Address United States
Lynsum Company, 6825 Evergreen Ave, Jacksonville
FL 32208

Source of Revenue _____

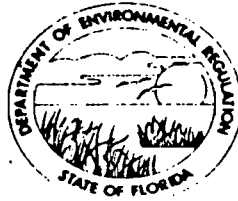
Revenue Code 001031 Application Number AC 16-099459

By Patricia E. Adams

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

AC 16-099459
099801
099803

NORTHEAST DISTRICT
3426 BILLS ROAD
JACKSONVILLE, FLORIDA 32207



DER

FEB 12 1985

BAQM

BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY
G. DOUG DUTTON
DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: READY MIX OPERATION [] New¹ [X] Existing¹

APPLICATION TYPE: [] Construction [] Operation [X] Modification

COMPANY NAME: UNITED STATES GYPSUM COMPANY COUNTY: DUVAL

Identify the specific emission point source(s) addressed in this application (i.e. Lime
1-Bulk Unloading System
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) 2-Bulk Storage Vents

SOURCE LOCATION: Street 6825 Evergreen Avenue City Jacksonville

UTM: East 0438900 North 3361200

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

APPLICANT NAME AND TITLE: Dan J. Nootens, Works 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 Modification 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: *Dan J. Nootens*

Dan J. Nootens, Works Manager
Name and Title (Please Type)

Date: 2-5-85 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 Ragan M. Womack

Ragan M. Womack
Name (Please Type)

United States Gypsum Company
Company Name (Please Type)

P.O.Box 3197, Jacksonville, FL 32206
Mailing Address (Please Type)

Florida Registration No. 17417 Date: 2/5/85 Telephone No. (904) 768-2501

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 modification of the existing facility to route the existing exhausts through an inside dust collection system and to provide a bulk unloading system which will use two bulk bins with associated bag collectors.

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction April 1985 Completion of Construction December 1985

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.)

<u>RM-2</u>	<u>Bulk Unloading System Bag House</u>	<u>\$12,000</u>
<u>RM-3</u>	<u>Bulk Limestone Storage Bin Bag House</u>	<u>\$ 6,000</u>
<u>RM-4</u>	<u>Bulk Talc Storage Bin Bag House</u>	<u>\$ 6,000</u>
	<u>TOTAL</u>	<u>\$24,000.</u>

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

A016-94408 January 9, 1985 - November 30, 1989

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 5-2/3; wks/yr 52 ;
if power plant, hrs/yr _____; if seasonal, describe: not seasonal
Permitted equipment is operated 12 Hrs/Day and 250 days/Year to supply
above stated plant operations.

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

1. Is this source in a non-attainment area for a particular pollutant? _____
 - a. If yes, has "offset" been applied? _____
 - b. If yes, has "Lowest Achievable Emission Rate" been applied? _____
 - c. If yes, list non-attainment pollutants. _____
2. Does best available control technology (BACT) apply to this source?
If yes, see Section VI. _____
3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. _____
4. Do "Standards of Performance for New Stationary Sources" (NSPS)
apply to this source? _____
5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? _____

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? _____ NO
- a. If yes, for what pollutants? _____
 - 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		
Limestone		100%	50,000 *	
Talc		100%	60,000 *	

*Maximum loading rate since permitted devices are intermittent.

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

1. Total Process Input Rate (lbs/hr): 60,000 lb./hr. max. rail car bulk unloading rate.
2. Product Weight (lbs/hr): _____

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	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
RM-2 TSP	0.394	0.591			394	591	
RM-3&4 TSP	0.257	0.386			257	386	
TOTAL	0.651	0.977					

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)
*RM-2	Particulate	99.9%	> 2 Micron	Baghouse de- sign specs.
*RM-3	Particulate	99.9%	> 2 Micron	" "
*RM-4	Particulate	99.9%	> 2 Micron	" "

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	

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

Fuel Analysis: N/A

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. N/A

Annual Average _____ Maximum _____

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

N/A

(1) Unloading System

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

Stack Height: 10 ft. Stack Diameter: 6" Diameter ft.
Gas Flow Rate: 2300 ACFM DSCFM Gas Exit Temperature: Ambient °F.
Water Vapor Content: 5 % Velocity: 191 FPS
Design Efficiency: 99.9% Air To Cloth Ratio: 4:1
Total Cloth Area: 284 Ft.²

(2) Bulk Storage Bins (Each the same)

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

Stack Height: 60 ft. Stack Diameter: 10" X 10" ft.
Gas Flow Rate: 1500 ACFM DSCFM Gas Exit Temperature: Ambient °F.
Water Vapor Content: 5 % Velocity: 36 FPS
Design Efficiency: 99.9% Air To Cloth Ratio: 4:1
Total Cloth Area: 360 Ft.²

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

Stack Height: _____ ft. Stack Diameter: _____ ft.
 Gas Flow Rate: _____ ACFM _____ DSCFM Gas Exit Temperature: _____ °F.
 Water Vapor Content: _____ % Velocity: _____ 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.

PERMIT CALCULATIONS

CONTROLLED EMISSIONS

Unloading

$$2300 \frac{\text{Ft.}^3}{\text{Min.}} \times 0.02 \frac{\text{grains}}{\text{Ft.}^3} \times 60 \frac{\text{Min.}}{\text{Hr.}} \times \frac{1 \text{ Lb.}}{7000 \text{ Grains}} = 0.394 \text{ Lbs./Hr.}$$

$$0.394 \frac{\text{Lbs.}}{\text{Hr.}} \times 12 \frac{\text{Hrs.}}{\text{Day}} \times 250 \frac{\text{Days}}{\text{Year}} \times \frac{1\text{-Ton}}{2000 \text{ Lbs.}} = \underline{0.591 \text{ Tons/Year}}$$

STORAGE BINS (Total for both)

$$1500 \frac{\text{Ft.}^3}{\text{Min.}} \times 0.02 \frac{\text{Grains}}{\text{Ft.}^3} \times 60 \frac{\text{Mins.}}{\text{Hour}} \times \frac{1\text{-Lb.}}{7000 \text{ Grains}} = 0.257 \text{ Lbs./Hour}$$

$$0.257 \frac{\text{Lbs.}}{\text{Hour}} \times 12 \frac{\text{Hrs.}}{\text{Day}} \times 250 \frac{\text{Days}}{\text{Year}} \times \frac{1\text{-Ton}}{2000 \text{ Lbs.}} = \underline{0.386 \text{ Tons/Year}}$$

POTENTIAL EMISSIONS

Unloading

$$0.394 \frac{\text{Lbs.}}{\text{Hours}} \times \frac{100\%}{(100 - 99.9)\%} = 394 \text{ Lbs./Hour}$$

$$394 \frac{\text{Lbs.}}{\text{Hours}} \times \frac{12 \times 250}{2000} = 591 \text{ Tons/Year}$$

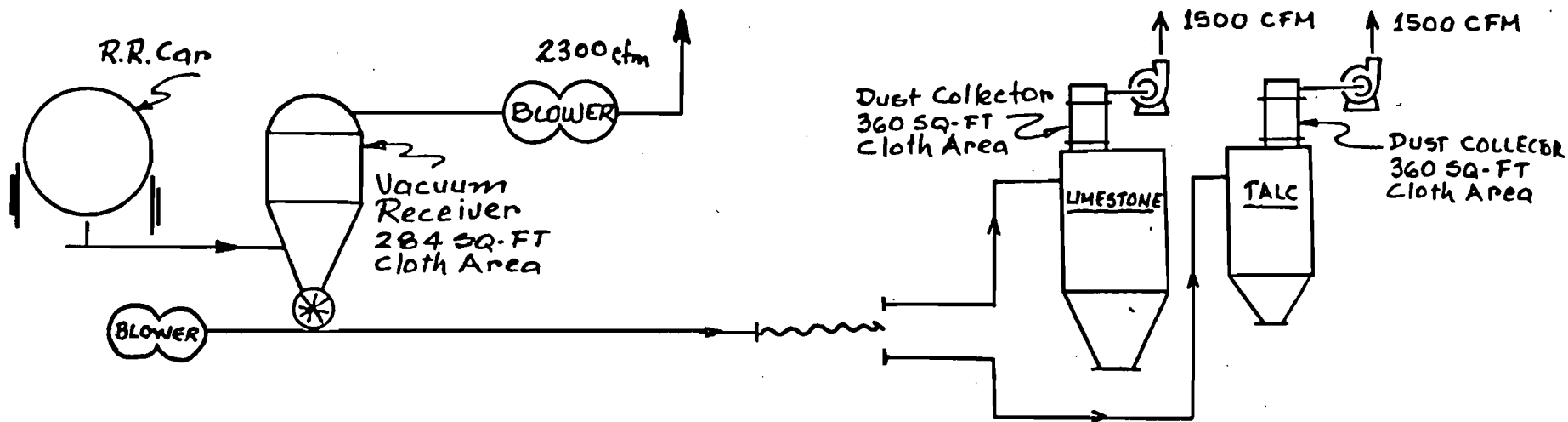
Storage Bins

$$.257 \frac{\text{Lbs.}}{\text{Hour}} \times \frac{100\%}{(100 - 99.9)\%} = 257 \text{ Lbs./Hour}$$

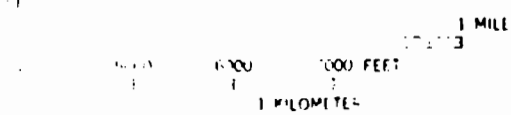
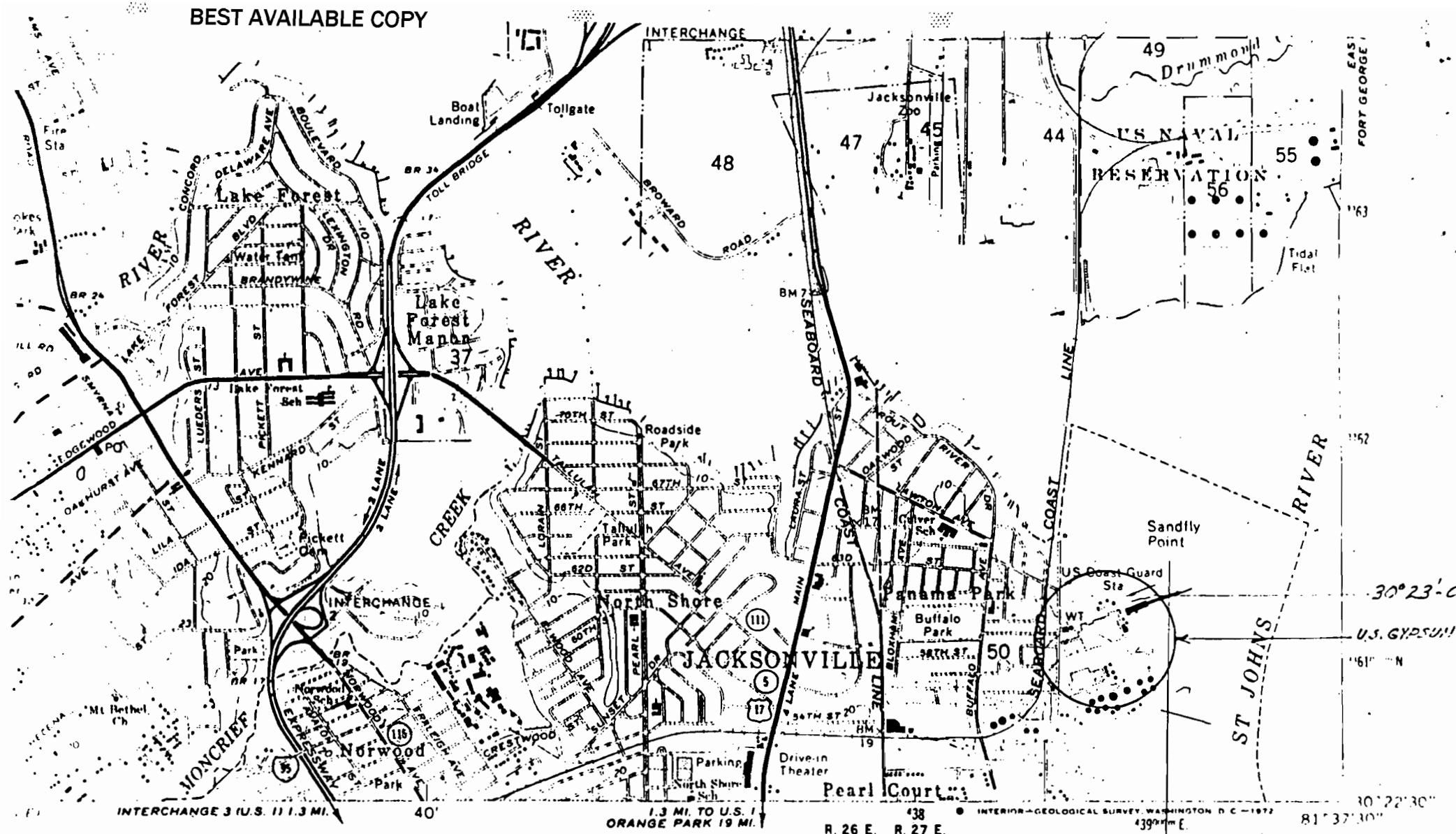
$$257 \frac{\text{Lbs.}}{\text{Hour}} \times \frac{12 \times 250}{2000} = 386 \text{ Tons/Year}$$

SUMMARY

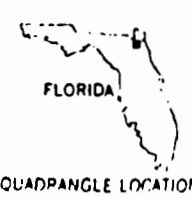
	<u>UNLOADING</u>	<u>STORAGE BINS</u>		<u>COMBINED TOTAL</u>
Grains/Ft. ³	0.02	0.02	=	0.04 Grains/Ft. ³
Lbs./Hour	0.394	0.257	=	0.651 Lbs./Hr.
Tons/Year	0.591	0.386	=	0.977 Tons/Year



BEST AVAILABLE COPY



10 FEET
1:25,000
MEAN LOW WATER
MEAN HIGH WATER



- ROAD CLASSIFICATION
- Heavy-duty ——— Light duty ———
 - Medium-duty - - - - - Unimproved dirt - - - - -
 - Interstate Route ◡ U.S. Route ○ State Route

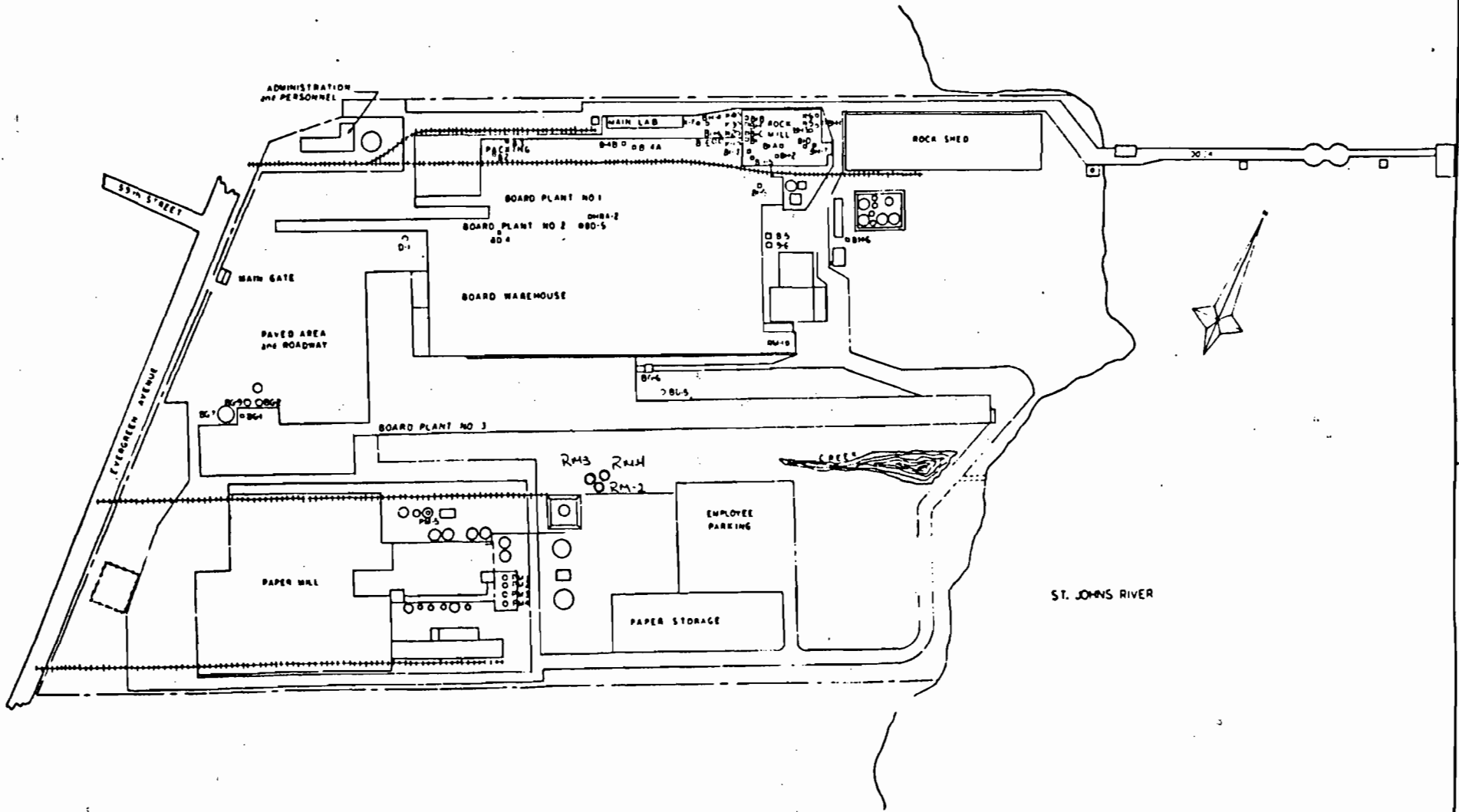
TROUT RIVER, FLA.

N3022.5--W8137.5

1964

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WASHINGTON, D. C. 20242
SYMBOLS IS AVAILABLE ON REQUEST



<p>UNITED STATES GYPSUM CO. CHICAGO, ILL.</p> <p>UNITED STATES GYPSUM COMPANY</p> <p>AIR POLLUTION SERVICES</p>	<p>553 J-1</p> <p>REV. ①</p>
---	------------------------------

SEE DRAWING 553 J-1

REVISIONS			
NO.	DATE	BY	CHK'D.

UNITED STATES GYPSUM CO.
 READY MIX CHICAGO, ILL. JACKSONVILLE, FL.

R.M. EMISSION CONTROLS

ACCT. NO. 45F.00

AUTH. P.36943-E
 DATE 1/2/85
 DR. C. [Signature]
 CK. R. LERMAN

REQ. NO. FOR DRAWING BILL OF MATERIAL NO. 24106 SHEET 1 OF

REV. NO.	ITEM NO.	NO. REQ'D	DESCRIPTION	WHERE USED		REMARKS
				DETAIL NO.	DRAWING NO.	
1	3		DUST COLLECTOR CAPABLE OF HANDLING CONTINUOUSLY 1500 CFM OF DUSTY AIR AT AMBIENT TEMPERATURE WITH 360 SQFT OF CLOTH AREA. UNIT TO WITHSTAND 17 WG STATIC PRESSURE.	SPEC	2865-P JAX-5914	
			DUST COLLECTOR TO HAVE THE FOLLOWING FEATURES: ALL INSIDE SURFACES INCLUDING BOTH CLEAN & DIRTY AIR CHAMBERS & BAG RATES TO BE COVERED WITH "POWER GRIP" PRIME & FINISH COATING. RATE TO BE 10 GA. STEEL. EXTERIOR OF COLLECTOR TO BE COVERED WITH ONE PRIMER COAT PER USG PAINT SPEC. 2865-P AND A FINISH COAT OF PEARL GREY PER U.S.G. PAINT SPEC. 2865 P REPLACEABLE BOLTED CAST ALUMINUM VENTURI NOZZLE 6"φ HEADER WITH DISHED HEADS. EPOXY COATED BAG CLAMPS. CAGES AND STEEL BAG CUPS OVERALL GRATE TYPE BAG INSTALLATION PLATFORM, 14 OZ. ORLON FELT BAGS. SOLID STATE TIMER TO HAVE DURATION & FREQUENCY OF AIR CLEANING CYCLE ADJUSTABLE FOR SINGLE SOLENOID OPERATION. (CONTROL VOLTAGE 115 V 60HZ SINGLE PHASE) PREWIRED SOLENOID VALVES. 4" DWYER MAGNAHELIC GAUGE, RANGE TO INDICATE PRESSURE DROP ACROSS DUST COLLECTOR, ALSO QUICK ACCESS DOOR, WIRE MESH FULL GRID (CONT'D. ON SHT. #2)			

APPROVED R.L. 2-8-85 DPC:sek 2-8-86

PRINT ISSUED

REVISIONS			
NO.	DATE	BY	CHK'D.

UNITED STATES GYPSUM CO.
 READY MIX CHICAGO, ILL. JACKSONVILLE, FL.
 R.M. EMISSION CONTROLS

AUTH. P.36943-E
 DATE 1/2/85
 DR. C. Hoag
 CK. R. LERMAN

REQ. NO. _____ FOR DRAWING _____ BILL OF MATERIAL NO. 24106 ACCT. NO. 45F.00 SHEET 2 OF _____

REV. NO.	ITEM NO.	NO. REQ'D	DESCRIPTION	WHERE USED		REMARKS
				DETAIL NO.	DRAWING NO.	
1	CONT'D.		(CONT'D. FROM SHT. #1) PLATFORM, VENDOR TO PROVIDE LETTER GUARANTEEING 99.9% EFFICIENCY IN DUST COLLECTION FOR USE IN OBTAINING EPA PERMITS. FOR: (1) LIMESTONE STORAGE BIN VENT EQ. # 45F101 (1) TALC STORAGE BIN VENT EQ. # 45F103 (1) BAG DUMP DUST COLLECTOR EQ. # 45F105			
2	3		FAN, INDUSTRIAL TYPE DUST COLLECTOR EXHAUSTER 17" Ø WHEEL (CFM NOTED BELOW) @ AMBIENT TEMPERATURE 17 W.C. STATIC PRESSURE, 11" O.D. INLET, UPBLAST DISCHARGE CCW ROTATION, ARRGT. # 9 COMPLETE W/10 HP MOTOR 1800 RPM, 230/400V, 3 PH. 60 HZ, SIZE 215 T FRAME TEFC. VENDOR TO SUPPLY ALL V-BELT DRIVE & OSHA GUARD. INCLUDE INLET & OUTLET FLANGE, QUICK OPEN ACCESS DOOR & DRAIN PLUG, NEW YORK BLOWER # 174 LS OR APPROVED EQUAL	SPEC SPEC	1971-E 2865P JAX-5914	
			FOR: (1) BIN VENT FAN - 1500 CFM EQ. # 45F102 (1) BIN VENT FAN - 1500 CFM EQ. # 45F104 (1) BAG DUMP DUST COLL. FAN - 1600 CFM EQ. # 45F106			

APPROVED R.L. 2-8-85 DPL/CLL 2-8-85 PRINT ISSUED

REVISIONS			
NO.	DATE	BY	CHK'D

UNITED STATES GYPSUM CO.
 READY MIX CHICAGO, ILL. JACKSONVILLE, FL.
 R. M. EMISSION CONTROLS

AUTH. P-36943E
 DATE 2-7-85
 DR. METZGER
 CK. R. LERMAN

REQ. NO. _____ FOR DRAWING _____ BILL OF MATERIAL NO. 24106 ACCT. NO. 45F.00 SHEET 8 OF _____

REV. NO.	ITEM NO.	NO. REQ'D	DESCRIPTION	WHERE USED		REMARKS
				DETAIL NO.	DRAWING NO.	
8	1		UNLOADING VACUUM RECEIVER TO HANDLE THE UNLOADING OF THE BULK MATERIALS FROM SLIDE GATE R.R. CARS.:		JAX-5908	
			A) CARBONATE, WEIGHING 50#/CU. FT. 95% THRU, 325 MESH.	SPEC.	2865-P	
			B) TALC, WEIGHING 30#/CU. FT. 95% THRU, 325 MESH.			
			VACUUM RECEIVER UNIT CAPABLE OF HANDLING A MAXIMUM OF 2300 SCFM. @ A MAXIMUM VACUUM OF 20" HG. AIR CLOTH RATIO 4:1 OR A TOTAL CLOTH AREA OF 584 SQ. FT. INLET AIR SPEED 5872 F.P.M. UNIT COMPLETE W/ SUPPORT SADDLES, AIR DISCHARGE MANIFOLD OF 10" AIR/POWDER INLET 8" DIA. SEQUENCING BACKWASH OPERATION HEADERS AND AUTOMATIC PURGE VALVE AND CYCLE TIMER. SOLID STATE TIMER TO HAVE DURATION & FREQUENCY OF AIR CLEANING CYCLE ADJUSTABLE FOR SINGLE SOLENOID OPERATION. (CONTROL VOLTAGE 115V, 60HZ SINGLE PHASE) PREWIRED SOLENOID VALVES. 4" DWYER MAGNETIC GAUGE, RANGE TO INDICATE PRESSURE DROP ACROSS DUST COLL, ALSO QUICK ACCESS DOOR WIRE MESH FULL GRID PLATFORM. VENDOR TO PROVIDE LETTER GUARENTEEING 99.9% EFF. IN DUST COLLECT. FOR USE IN OBTAINING EPA PERMITS.			
			FOR UNLOADING VACUUM RECEIVER EQ. # 45F.111			

UNITED STATES GYPSUM COMPANY

JACKSONVILLE, FL
PLANT DISBURSEMENT ACCOUNT

THE NORTHERN TRUST COMPANY
PAYABLE THRU
NAPERVILLE, ILL. ST. BANK - NAPERVILLE
NAPERVILLE, ILLINOIS

DATE
March 4, 1985

22507980

AMOUNT
\$200.00

UNITED STATES GYPSUM COMPANY
AUTHORIZED SIGNATURE

EO Lewis

PAY TO THE
ORDER OF

Florida Department of Environmental Regulation

USG 50723 REV 11-82



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

76066

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from United States Gypsum Company Date March 5, 1985

Address Jacksonville, Florida Dollars \$ 200.00

Applicant Name & Address same as above

Source of Revenue _____

Revenue Code 001031 Application Number AC 10-099459
AC 10-099801

By Patricia G. Adams