

Check Sheet

Company Name: NATIONAL GYPSUM / GOLD BOND
Permit Number: AC 29-112391
PSD Number: _____
Permit Engineer: _____

Application:

- | | |
|--|--------------------------|
| <input checked="" type="checkbox"/> Initial Application | Cross References: |
| <input checked="" type="checkbox"/> Incompleteness Letters | <input type="checkbox"/> |
| <input checked="" 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

P 408 533 196

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. C. F. Howard, Jr.	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date 5/8/86	

PS Form 3800, Feb. 1982

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. C. F. Howard, Jr.
Gold Bond Building Products
2001 Rexford Road
Charlotte, North Carolina 28211

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	P 408 533 196

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

5. Signature - Addressee
X *Patricia Janet*

6. Signature - Agent
X

7. Date of Delivery
5-12-86

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

DOMESTIC RETURN RECEIPT

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 PERMIT

Mr. C. F. Howard, Jr.
Gold Bond Building Products
2001 Rexford Road
Charlotte, North Carolina 28211

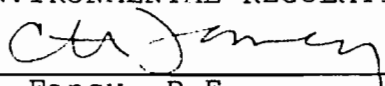
May 7, 1986

Enclosed is Permit Number AC 29-112391 to Gold Bond Building Products which authorizes the construction of a stucco cooling elevator at the company's existing facility in Tampa, Hillsborough County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any Party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 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 this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


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

Copies furnished to:

Robert Lue
Jim Estler

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on May 8, 1986 to the listed persons.

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
Clerk

May 8, 1986
Date

Final Determination

Gold Bond Building Products
Hillsborough County
Tampa, Florida

Stucco Cooling Elevator #1

Permit No. AC 29-112391

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

April 30, 1986

Final Determination

Gold Bond Building Product's application for a permit to construct a stucco cooling elevator at the company's existing facility in Tampa, Hillsborough County, Florida, has been reviewed by the Bureau of Air Quality Management. Public Notice of the Department's Intent to Issue the permit was published in the Tampa Tribune on March 5, 1986.

Comments in response to the Public Notice were received from Hillsborough County Environmental Protection Commission (see attachment No. 4) stating that a visible emissions test may be submitted in lieu of a particulate matter stack test for the stucco elevator baghouse.

The Department is in agreement with the comments submitted. The following specific conditions will be changed in the permit:

No. 5

From:

Initial compliance tests shall be conducted using:

- a) EPA Method 5, Determination of Particulate Emissions from Stationary Sources, for emissions from the baghouse collector.
- b) DER Method 9, Visual Determination of Opacity of Emissions from Stationary Sources, for emissions from the elevator, screw conveyor and baghouse dust collector.

To:

Initial and annual compliance test shall be conducted using DER Method 9, Visual Determination of Opacity of Emissions from Stationary Sources, for emissions from the elevator, screw conveyor and baghouse dust collector.

No. 6

To be deleted, since it repeats ammended condition No. 5.

No. 9

From:

The compliance test reports shall be submitted for approval to HCEPC and DER's District office within 45 days of completion of compliance tests, and a minimum of 90 days before the expiration date of this permit.

To:

The initial compliance test reports shall be submitted for approval to HCEPC and DER's District office within 45 days of completion of compliance tests, and a minimum of 90 days before the expiration date of this permit.

The final action of the Department will be to issue the permit as proposed in the Preliminary Determination with amendments to reflect the Department's consideration of the comments submitted.

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:
Gold Bond Building Products
2001 Rexford Road
Charlotte, North Carolina
28211

Permit Number: AC 29-112391
Expiration Date: January 1, 1987
County: Hillsborough
Latitude/Longitude: 27° 51' 43"N/
82° 33' 03"W
Project: Stucco Cooling Elevator #1

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 stucco cooling elevator and it's associated screw conveyor and baghouse 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. Gold Bond's application package dated November 11, 1985.
2. DER's letter dated December 12, 1985.
3. Gold Bond's letter dated January 2, 1986.
4. Comments from Hillsborough County Environmental Protection Commission dated March 5, 1986.

PERMITTEE:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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 cooling elevator shall be operated at up to a maximum of 8400 hours annually.
2. The total stucco input rate into the elevator shall not exceed 32 tons per hour, or 270,000 tons per year (TPY).

PERMITTEE:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

SPECIFIC CONDITIONS:

3. Particulate matter emissions from the baghouse fabric filter shall not exceed 0.62 lb/hr, or 2.6 TPY (based on 0.03 gr/dscf standard).
4. There shall be no visible emissions (5% opacity) from the cooling elevator, the associated screw conveyor, and baghouse dust collector.
5. Initial and annual compliance tests shall be conducted using DER Method 9, Visual Determination of Opacity of Emissions from Stationary Sources, for emissions from the elevator, screw conveyor and baghouse dust collector.
6. All compliance tests shall be conducted at 90-100% of the permitted equipment capacities.
7. A 15 day prior notice shall be given to Hillsborough County Environmental Protection Commission (HCEPC) and DER's Southwest District office of the compliance testing date(s).
8. The initial compliance test reports shall be submitted for approval to HCEPC and DER's District office within 45 days of completion of compliance tests, and a minimum of 90 days before the expiration date of this permit.
9. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, notification must be given to the Department and HCEPC, in writing, 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (Rule 17-4.09, FAC)
10. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results and Certificate of Completion, to the HCEPC office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (Rules 17-4.22 and 17-4.23, FAC)

PERMITTEE:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

SPECIFIC CONDITIONS:

11. If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4.10, FAC)

12. Upon obtaining an operating permit the permittee will be required to submit annual reports, unless otherwise requested by HCEPC or DER, on the actual operation and emissions of the sources to the HCEPC office.

13. Any change in the method of operation, equipment, or operating hours shall be submitted for approval to the HCEPC office.

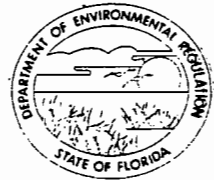
Issued this 5 day of May, 1986

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


VICTORIA J. TSCHINKEL, Secretary

_____ pages attached.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION



Interoffice Memorandum

TO: Victoria J. Tschinkel
FROM: Clair Fancy *Clair Fancy*
DATE: May 5, 1986
SUBJ: Approval of Attached Air Construction Permit

FOR ROUTING TO OTHER THAN THE ADDRESSEE	
To: _____	LOCN: _____
To: _____	LOCN: _____
To: _____	DATE: MAY 5 1986
FROM: _____	DATE: _____

Office of the Secretary

Attached for your approval and signature is one Air Construction Permit to Gold Bond Building Products to construct a stucco cooling elevator at the company's existing facility in Tampa, Hillsborough County, Florida.

Day 90, after which the permit would be issued by default, is May 12, 1986.

The Bureau recommends your approval and signature.

CF/pa

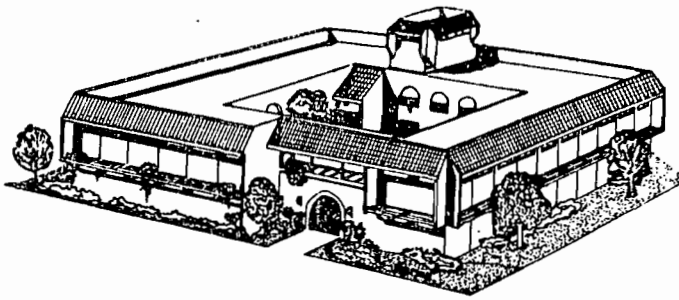
Attachment

DER
MAY 6 1986
BAQM

HILLSBOROUGH COUNTY
ENVIRONMENTAL PROTECTION

COMMISSION

RODNEY COLSON
RON GLICKMAN
PAM IORIO
RUBIN E. PADGETT
JAN KAMINIS PLATT
JAMES D. SELVEY
PICKENS C. TALLEY II



ROGER P. STEWART
DIRECTOR

1900 - 9th AVE
TAMPA, FLORIDA 33605

TELEPHONE (813) 272-5960

March 5, 1986

DER
MAR 10 1986
BAQM

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

Re: Proposed Construction Permit for Gold Bond Building Products
Stucco Cooling Elevator #1.

Dear Mr. Fancy:

After a thorough examination of the proposed construction permit for Gold Bond Stucco Cooling Elevator we wish to make the following recommendation:

Although the facility is a major source for particulate matter, the source in question is minor. The baghouse controlling emissions from the source has a small air flow rate. (Actual air flow 3200 acfm). Therefore, we recommend specific condition #5(a) be eliminated.

Pursuant to Section 17-2.700(1)(d)6., F.A.C., "Alternate Test Procedures Not subject to Prior Approval. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particulate stack test for materials handling sources subject to Section 17-2.650(2)(c)11., where the source is equipped with a baghouse." Specific condition #4 already calls for a 5% opacity standard.

If you have any questions, please contact me.

Sincerely,

Henry Robert Lue

Henry Robert Lue
Air Permit Engineer
Hillsborough County Environmental
Protection Commission

file

PR

cc: P. Raval, DER
Bill Thomas, DER

3-13-86

Mr. 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 Sir;

Enclosed please find affidavit requested in your letter of
2-18-86, to Mr. C. F. Howard, Jr.

Sincerely,

R. G. Moore / LHC
R. G. Moore

Plant Manager

DER

MAR 14 1986

BAQM

THE TAMPA TRIBUNE

Published Daily

Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough } ss.

Before the undersigned authority personally appeared Alice Gonzalez, who on oath says that she is Business Office Manager of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a.....

LEGAL NOTICE

in the matter of **STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION**

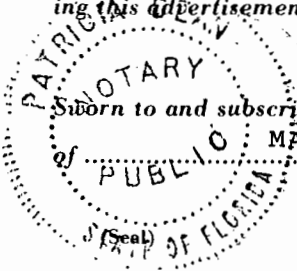
DER

was published in said newspaper in the issues of **MARCH 5, 1986**

MAR 14 1986

BAQM

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa, in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that she 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 the said newspaper.



Alice Gonzalez
sworn to and subscribed before me, this **5th** day of **MARCH**, A.D. 19 **86**
Patricia Dean

Notary Public, State of Florida
My Commission Expires Jan. 6, 1989
Bonded Thru Troy Fain - Insurance, Inc.

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 constitutes 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 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, Florida Administrative Code, 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:

- Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301
- Dept. of Environmental Regulation
Southwest District
7601 Highway 301 North
Tampa, Florida 33610
Hillsborough County Environmental Protection Commission
1900 Ninth Avenue
Tampa, Florida 33605

Any person may send written comments on the proposed action to Mr. Bill Thom as 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.

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

The Department of Environmental Regulation gives notice of its intent to issue a permit to National Gypsum Company, Gold Band Building Products to construct a stucco cooling elevator at their existing facility in Tampa, Hillsborough County, Florida. A determination of best available control technology (BACT) was not required.

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

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.
 Restricted Delivery.

3. Article Addressed to:
 Mr. C. F. Howard, Jr.
 Gold Bond Building Products
 2001 Rexford Road
 Charlotte, NC 28211

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 408 533 664
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Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature Addressee
 X *Patty Jarnett*

6. Signature Agent
 X

7. Date of Delivery

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

DOMESTIC RETURN RECEIPT

PS Form 3800, Feb. 1982

Sort to Mr. C. F. Howard, Jr.	
Street and No.	
P.O., Suite and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

2/19/86

P 408 533 664
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

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 18, 1986

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. C. F. Howard, Jr.
Gold Bond Building Products
2001 Rexford Road
Charlotte, North Carolina 28211

Dear Mr. Howard:

Attached is one copy of the Technical Evaluation and Preliminary Determination, and proposed permit to construct a stucco cooling elevator at your existing facility in Tampa, Florida.

Before final action can be taken on your 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 Hillsborough County no later than fourteen days after receipt of this letter. The DER Bureau of Air Quality Management 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,

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

CHF/pa
Attachments
cc: Robert Lue
Jim Estler

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

The Department of Environmental Regulation gives notice of its intent to issue a permit to National Gypsum Company, Gold Bond Building Products to construct a stucco cooling elevator at their existing facility in Tampa, Hillsborough County, Florida. A determination of best available control technology (BACT) was not required.

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 constitutes 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 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, Florida Administrative Code, 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:

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

Dept. of Environmental Regulation
Southwest District
7601 Highway 301 North
Tampa, Florida 33610

Hillsborough County Environmental Protection Commission
1900 Ninth Avenue
Tampa, Florida 33605

Any person 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.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of)
Application for Permit by:)
)
Gold Bond Building Products) DER File No. AC 29-112391
2001 Rexford Road)
Charlotte, NC 28211)

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, Gold Bond Building Products, applied on November 11, 1985, to DER for a permit to construct a stucco cooling elevator at the applicant's existing facility in Tampa, Hillsborough 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.

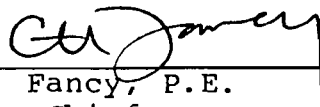
Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department. In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct 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 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

Robert Lue
Jim Estler

CERTIFICATION

This is to certify that the foregoing Intent to Issue and all copies were mailed before the close of business on 19 Feb, 1986.



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 G. Adams Feb. 19, 1986
Clerk Date

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.

Technical Evaluation
and
Preliminary Determination

Gold Bond Building Products
Hillsborough County
Tampa, Florida

Stucco Cooling Elevator #1

Permit No. AC 29-112391

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

February 18, 1986

I. Application

A. Applicant

Gold Bond Building Products
2001 Rexford Road
Charlotte, North Carolina 28211

B. Project and Location

The applicant proposes to install a stucco cooling elevator and an associated screw conveyor at their existing stucco processing facility in Tampa, Hillsborough County. The UTM coordinates of the source are Zone 17, 343.3 km E and 3082.7 km N.

C. Source Classification

The Gold Bond facility is a major emitting facility for particulate matter (PM), however, the stucco elevator and screw conveyor will be new minor sources within this facility.

The Standard Industrial Classification (SIC) Code for this project is Group No. 327: Concrete, Gypsum and Plaster Products; Industry No. 3275, Gypsum Products.

D. Application Completeness Date

Gold Bond submitted the permit application for construction of the stucco cooling elevator to Hillsborough County Environmental Protection Commission (HCEPC) on November 14, 1985. The application was deemed complete on January 6, 1986.

II. Process Description

A. Process

Stucco is the main raw material in Gold Bond's wallboard manufacturing facility. The proposed project involves the installation of a stucco cooling elevator to ease the handling of stucco in subsequent unit operations.

Hot stucco is currently conveyed from Calcidyne units to the board plant building by screw conveyor S-26, at the height of 43 feet above the ground floor. The proposed cooling elevator will divert the hot stucco from S-26, letting it fall to the bottom of the elevator, and lifting it back up with elevator buckets to revert it to S-26. An overall 10°-15°F temperature drop is expected in the stucco, by way of this operation. The material throughput rates will be about 32 tons per hour or 270,000 tons per year.

B. Controls

Particulate emissions will be generated in the elevator, more so from the free fall of the stucco than from the bucket conveying system. These emissions will be controlled by the installation of a baghouse dust collector, with the whole system kept under negative pressure by a fan. The baghouse efficiency of over 99%, will limit the exiting particulate emission to less than 0.03 gr/dscf. The screw conveyor is not expected to generate any particulate emissions.

C. Operating Hours

The Gold Bond facility will be operating for about 8400 hours annually.

III. Rule Applicability

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

The proposed project in Hillsborough County will be located in a nonattainment area for ozone, in accordance with Rule 17-2.410, FAC, and in an attainment area for all other criteria pollutants, in accordance with Rule 17-2.420, FAC.

A Prevention of Significant Deterioration (PSD) review is not applicable to the proposed project because it will be a new minor source in an existing major facility, in accordance with Rule 17-2.500(2)(d)4, FAC. The applicant will adhere to emission limiting standards as proposed under Rule 17-2.650(2)(c)11, FAC (Materials Handling, Sizing, Screening, Crushing and Grinding Operations):

- o No visible emissions (5% opacity).
- o PM emission not to exceed 0.03 gr/dscf.

The proposed project will be required to demonstrate compliance with the above standards using:

- a) EPA Method 5 (Determination of Particulate Emissions from Stationary Sources), in accordance with Rule 17-2.700(6)(b)5, FAC, for emissions from the baghouse dust collector.
- b) DER Method 9 (Visual Determination of Opacity of Emissions from Stationary Sources), in accordance with Rule 17-2.700(6)(a)9, FAC, for emissions from the elevator, baghouse dust collector, and the associated screw conveyor.

The proposed project will be required to submit annual reports on the actual operation of the source in accordance with Rule 17-2.700, FAC.

IV. Source Impact Analysis

A. Emission Limitations

No visible emissions (5% opacity) will be allowed from the elevator, screw conveyor, or the baghouse collector. Particulate emissions from the baghouse dust collector will not exceed 0.62 lb/hr, or 2.6 tons per year (TPY), based on the 0.03 gr/dscf standard.

B. Air Quality Analysis

The technical evaluation of this application determined that preconstruction 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:
Gold Bond Building Products
2001 Rexford Road
Charlotte, North Carolina
28211

Permit Number: AC 29-112391
Expiration Date: January 1, 1987
County: Hillsborough
Latitude/Longitude: 27° 51' 43"N/
82° 33' 03"W
Project: Stucco Cooling Elevator #1

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 stucco cooling elevator and its associated screw conveyor and baghouse 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. Gold Bond's application package dated November 11, 1985.
2. DER's letter dated December 12, 1985.
3. Gold Bond's letter dated January 2, 1986.

PERMITTEE:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

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 cooling elevator may be operated for up to a maximum of 8400 hours annually.
2. The total stucco input rate into the elevator shall not exceed 32 tons per hour, or 270,000 tons per year (TPY).

PERMITTEE: Gold Bond Building Products Permit Number: AC 29-112391
Expiration Date: January 1, 1987

SPECIFIC CONDITIONS:

3. Particulate matter emissions from the baghouse fabric filter shall not exceed 0.62 lb/hr, or 2.6 TPY (based on 0.03 gr/dscf standard).
4. There shall be no visible emissions (5% opacity) from the cooling elevator, the associated screw conveyor, and baghouse dust collector.
5. Initial compliance tests shall be conducted using:
 - a) EPA Method 5, Determination of Particulate Emissions from Stationary Sources, for emissions from the baghouse collector.
 - b) DER Method 9, Visual Determination of Opacity of Emissions from Stationary Sources, for emissions from the elevator, screw conveyor and baghouse dust collector.
6. Annual compliance tests shall be conducted using DER Method 9, unless the results from initial compliance tests warrant additional tests.
7. All compliance tests shall be conducted at 90-100% of the permitted equipment capacities.
8. A 15 day prior notice shall be given to Hillsborough County Environmental Protection Commission (HCEPC) and DER's Southwest District office of the compliance testing date(s).
9. The compliance test reports shall be submitted for approval to HCEPC and DER's District office within 45 days of completion of compliance tests, and a minimum of 90 days before the expiration date of this permit.
10. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, notification must be given to the Department and HCEPC, in writing, 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (Rule 17-4.09, FAC)

PERMITTEE:
Gold Bond Building Products

Permit Number: AC 29-112391
Expiration Date: January 1, 1987

SPECIFIC CONDITIONS:

11. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results and Certificate of Completion, to the HCEPC office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (Rules 17-4.22 and 17-4.23, FAC)

12. If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4.10, FAC)

13. Upon obtaining an operating permit the permittee will be required to submit annual reports, unless otherwise requested by HCEPC or DER, on the actual operation and emissions of the sources to the HCEPC office.

14. Any change in the method of operation, equipment, or operating hours shall be submitted for approval to the HCEPC office.

Issued this _____ day of _____, 19__

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

_____ pages attached.



January 2, 1986

DER
JAN 06 1986
BAQM

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

Dear Mr. Fancy:

Re: Application to Construct
Stucco Cooling Elevator
Permit No. AC29-112391

This is in response to your letter dated December 12, 1985;
and our phone conversation with Pradeep Raval.
Item 1. We have resolved the permit Fee with Hillsborough
County EPC.

Item 2. PSD & BACT are not applicable to this application.

Item 3 & 4.

Estimated inlet grain loading is 15 grs/SDCF
Allowable outlet grain loading is .03 grs/SDCF
% Efficiency = $\frac{15 - .03}{15} \times 100 = 99.8\%$

Potential emission lbs/hr =
 $\frac{15 \text{ grs/SDCF} \times 2423 \text{ SDCFM} \times 60 \text{ m/hr}}{7000 \text{ grs/lb}} = 311.5 \text{ lbs/HR}$

Potential emission tons/yr =
 $\frac{311.5 \text{ lbs/hr} \times 8400 \text{ hrs/yr}}{2000} = 1308 \text{ T/yr.}$

Allowable emission rate =
 $\frac{0.03 \text{ grs/SDCF} \times 2423 \text{ SDCFM} \times 60}{7000 \text{ grs/lb}} = .62 \text{ \#/hr}$

Item 5. Description of the process: Hot stucco is conveyed
from the Calcidyne units to the board plant stucco silo by
elevators and screw conveyors. Screw conveyor S-26 runs from
the Mill building to the Board Plant Silo area. It is
approx. 43 feet above the ground floor. In order to cool the
stucco by 10 to 15° F we plan to add an elevator adjacent to
S-26, route the stucco to the elevator and let it fall to
the bottom on the ground floor and lift back up with the
elevator buckets then feed back to S-26. The dust collector
will vent the new elevator and screw conveyor S-26. See flow
on attached sketch #102885.

Please replace the enclosed application pages 3, 4, 8, 11
and Section V.

If you have any questions, please call.

Sincerely yours,



D. B. Collins
Engineer - Environmental

DBC/mb

cc: E. J. Reich -
Senior Project Engineer
R. G. Walker -
Dir. of Mining & Environ. Services
R. G. Moore -
Tampa, Plant Manager

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 50 ;
if power plant, hrs/yr _____ ; if seasonal, describe: N/A

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

1. Is this source in a non-attainment area for a particular pollutant? No
 - a. If yes, has "offset" been applied? N/A
 - b. If yes, has "Lowest Achievable Emission Rate" been applied? N/A
 - c. If yes, list non-attainment pollutants. N/A
2. Does best available control technology (BACT) apply to this source?
If yes, see Section VI. No
3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. No
4. Do "Standards of Performance for New Stationary Sources" (NSPS)
apply to this source? No
5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? No

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? N/A
- a. If yes, for what pollutants? N/A
 - 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		
CaSO ₄ · ½H ₂ O		100	64,000	Flow Chart Attached

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

1. Total Process Input Rate (lbs/hr): 64,000
2. Product Weight (lbs/hr): 64,000

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 ² 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	
Gypsum Dust	0.62#/hr	2.60	N/A	0.62 #/hr	311.5	1,308	

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).

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

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

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

Yes No

Contaminant	Rate or Concentration
CaSO ₄ .2 H ₂ O	0.03 GRS/SDCF

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

Yes No

Contaminant	Rate or Concentration

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

Contaminant	Rate or Concentration

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

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

*Explain method of determining

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant	Rate or Concentration
Gypsum Dust	0.03 grs/SCFD

(8) Process Rate:¹ 64,000 #/hr

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data N/A

1. _____ no. sites _____ TSP _____ () SO₂* _____ Wind spd/dir

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

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

SECTION V

1. PROCESS RATE

64,000 lbs/hr

2. EMISSIONS ESTIMATE PARTICULATES

lbs/hr = 0.03 grs/SDCF x 2423 SDCF x 60 min - 7000 gr/lb = 0.62 #/hr
= 2.6 T/yr

3. POTENTIAL EMISSIONS

No grain loading measurements have ever been made on this process. An estimate of grain loading is 15 gr/SDCF.

15 grs/SDCF x 2423 SDCF x 60 - 7000 grs/lb = 311.5 lbs/hr

4. CONTROL DEVICE

Flex-Kleen baghouse #84-WRB-80-II
Jet-Pulse Cleaning
14 oz. NOMEX
800 sq. ft. Fabric
4.0; 1 A/C Ratio
99+% Efficiency

5. Typical tests (EPA method 5) made on similar units such as hot stucco results were 99+% efficient.

6. Flow Chart attached.

7. Plot Plan attached. (Plant location)

8. Plot Plan attached. (Equipment location)

9. Application fees enclosed.

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. C. F. Howard, Jr.
 National Gypsum Company
 2001 Rexford Road
 Charlotte, North Carolina 28211

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 408 533 339

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

5. Signature - Addressee
 X *Mr. C. F. Howard, Jr.*

6. Signature - Agent
 X

7. Date of Delivery
 12-16-85

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

DOMESTIC RETURN RECEIPT

P 408 533 339

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

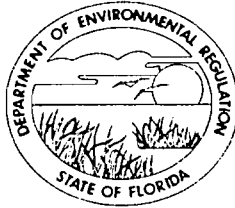
(See Reverse)

Sent to Mr. C. F. Howard, Jr.	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date 12/13/85	

PS Form 3800, Feb. 1982

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

December 12, 1985

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. C. F. Howard Jr.,
National Gypsum Company
2001 Rexford Road
Charlotte, NC 28211

RE: Review of Application to construct a Stucco Cooling
Elevator, Permit No. AC 29-112391

Dear Mr. Howard:

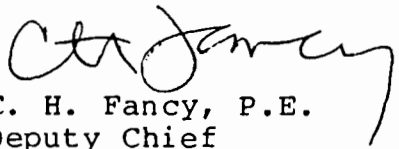
The bureau has received and reviewed your application dated November 11, 1985. In order to process your application further, please submit the following to the bureau:

1. Please contact the Hillsborough County Environmental Protection Commission about their appropriate application processing fee.
2. Please clarify the Prevention of Significant Deterioration (PSD), Best Available Control Technology (BACT), and nonattainment area status applicability mentioned in your application.
3. Indicate the loading of particulate matter in the inlet to the baghouse which you expect in this project and calculate the projected potential emissions in lb/hr and tons per year (TPY).
4. Calculate allowable emissions on the basis of 0.03 gr/dscf, unless you specifically wish to retain a more restrictive 0.02 gr/dscf emission limit, for emissions from the baghouse.
5. Please provide a description of the project.

Mr. C. F. Howard Jr.,
December 12, 1985
Page Two

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

Sincerly,


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

PR/ps

cc: Robert Lue
Jim Estler

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: Clair Fancy
 FROM: Bill Thomas
 DATE: November 18, 1985
 SUBJECT: National Gypsum - Gold Bond

Enclosed is a minor source construction permit application for a major facility (over 100 TPY). Also included is the PATS sheet and receipt. Both HCEPC and the district would appreciate being involved in the processing of this application.

JWE/js

Enclosure: under separate cover

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 96672

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Gold Bond Building Products Date 11-15-85
 Address 2001 Rextord Road, Charlotte, NC Dollars \$ 100.00
 Applicant Name & Address National Gypsum Co., SAME
 Source of Revenue Stucco Cooling Elevator Bd. Pl. #1
 Revenue Code 001031 Application Number AC29-112391
098958 By Norathy Pelham

DER

NOV 21 1985

BAQM



A National Gypsum Division

November 11, 1985

CERTIFIED LETTER

Hillsborough County
Environmental Protection Commission
1900 Ninth Avenue
Tampa, FL 33605

RE: Our Plant Tampa, Florida
Application for Construction Permit
Stucco Cooling Elevator and Baghouse

Dear Sir:

Enclosed are DER Form 17-1.202(1), a flow chart, a plot plan, an area map, and baghouse specifications for the above permit request.

Also enclosed is a check for \$170.00 to Hillsborough County and one for \$100.00 to State DER for permit fees.

If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "P. H. Chheda".

P. H. Chheda
Chief Mechanical Engineer

PHC/mb

cc: R. G. Walker - Eng.
R. G. Moore - Tampa

Enclosures

D. E. R.

NOV 15 1985

SOUTH WEST DISTRICT
TAMPA

PAID NOV 15 1985

AC 29-112391

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



NOV 14 1985

U.C.E.R.A.

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

WILLIAM K. HENNESSEY
DISTRICT MANAGER

D. E. R.

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

NOV 15 1985

SOURCE TYPE: Gypsum Convey. Elevator [X] New¹ [] Existing¹

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

SOUTH WEST DISTRICT
TAMPA

COMPANY NAME: National Gypsum Co., Gold Bond Building Products COUNTY: Hillsborough

Identify the specific emission point source(s) addressed in this application (i.e. Lime
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Stucco Cooling Elevator
Bd. Pl. #1

SOURCE LOCATION: Street 6110 Commerce Street City Port Tampa

UTM: East 17-347.3 North 3082.7

Latitude 27° 52' ___"N Longitude 02° 33' ___"W

APPLICANT NAME AND TITLE: C. F. Howard, Jr. - V/President-Engineering

APPLICANT ADDRESS: 2001 Rexford Road, Charlotte, NC 28211

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of National Gypsum Company
Gold Bond Building Products

I certify that the statements made in this application for a Construction
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: [Signature]
C. F. Howard, Jr., V/President-Engrg.
Name and Title (Please Type)

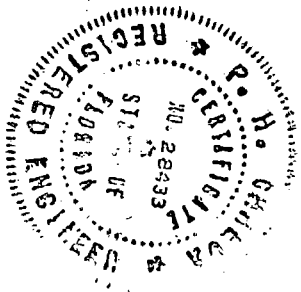
Date: 11/12/85 Telephone No. (704) 365-0950

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 P. H. Chheda

P. H. Chheda - Chief Mechanical Engineer

Name (Please Type)

GOLD BOND BUILDING PRODUCTS

Company Name (Please Type)

2001 Rexford Rd., Charlotte, NC 28211

Mailing Address (Please Type)

Florida Registration No. 28433 Date: 11/1/85 Telephone No. (704) 365-0950

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.

We plan to install a new elevator (E-18) and screw conveyor (S-26A)
to aid in the processing stucco from the Mill Building to the Board
Plant Silo. We plan to use an 800 square ft. of fabric Baghouse to
vent the new elevator.

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

Start of Construction Feb. 1986 Completion of Construction March 1986

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.)

Estimated cost of dust control system = \$30,000.00

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

None

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 50; if power plant, hrs/yr _____; if seasonal, describe: N/A

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

1. Is this source in a non-attainment area for a particular pollutant? Yes
a. If yes, has "offset" been applied? N/A
b. If yes, has "Lowest Achievable Emission Rate" been applied? N/A
c. If yes, list non-attainment pollutants. N/A
2. Does best available control technology (BACT) apply to this source? Yes
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. Yes
4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? No
5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? N/A
a. If yes, for what pollutants? N/A
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 justification 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		
CaSO ₄ ·½H ₂ O		100	64,000	Flow Chart Attached

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

- Total Process Input Rate (lbs/hr): 64,000
- Product Weight (lbs/hr): 64,000

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/HR	T/yr	
Gypsum Dust	0.42#/hr	2.31	N/A	0.42#/hr	727	3,053	

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)
FLEX-KLEEN MODEL 84-WRB-80-III	GYP SUM DUST	99.9%	UNKNOWN	ESTIMATE

E. Fuels NONE

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.

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

Stack Height: 68'-0" ft. Stack Diameter: 13" Diameter ft.
 Gas Flow Rate: 3200 ACFM 2423 DSCFM Gas Exit Temperature: 170°F °F.
 Water Vapor Content: 10 % Velocity: 57.8 FPS

SECTION IV: INCINERATOR INFORMATION N/A

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: N/A

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

N/A

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.

SECTION V

1. PROCESS RATE

64,000 lbs/hr

2. EMISSIONS ESTIMATE⁴ PARTICULATES

$\text{lbs/hr} = 0.02 \text{ grs/SDCF} \times 2423 \text{ SDCF} \times 60 \text{ min} \div 7000 \text{ gr/lb} = 0.42$

3. POTENTIAL EMISSIONS

No grain loading measurements have ever been made on this process.
An estimate of grain loading is 35 gr/SDCF.

$35 \text{ grs/SDCF} \times 2423 \text{ SDCF} \times 60 \div 7000 \text{ grs/lb} = 727 \text{ lbs./hr.}$

4. CONTROL DEVICE

Flex-Kleen baghouse #84-WRB-80-II
Jet-Pulse Cleaning
14 oz. NOMEX
800 sq. ft. Fabric
4.0;1 A/C Ratio
99+% Efficiency

5. Typical tests (EPA method 5) made on similar units such as hot stucco results were 99+% efficient.

6. Flow Chart attached.

7. Plot Plan attached. (Plant location)

8. Plot Plan attached. (Equipment location)

9. Application fees enclosed.

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

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

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

Yes No

Contaminant	Rate or Concentration
CaSO ₄ . 2 H ₂ O	< 0.02 GRS/SDCF

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

N/A

Yes No

Contaminant	Rate or Concentration

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

Contaminant	Rate or Concentration

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

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

*Explain method of determining

5. Useful Life: N/A

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters N/A

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

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

1. EPA has determined that the BACT for this source is a fabric filter.

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

2.

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

¹Explain method of determining efficiency.

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

j. Applicability to manufacturing processes:

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

3.

a. Control Device: N/A

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

4.

a. Control Device: N/A

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

F. Describe the control technology selected:

1. Control Device: Fabric Filter 2. Efficiency:¹ 99.9 (other tests)

3. Capital Cost: \$30,000.00 4. Useful Life: 12 yrs. tax life

5. Operating Cost: Unknown 6. Energy:² Unknown

7. Maintenance Cost: Unknown 8. Manufacturer: Flex-Kleen

9. Other locations where employed on similar processes:

a. (1) Company: Similar System At Tampa Plant (Hot-Stucco)

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

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

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant	Rate or Concentration
Gypsum Dust	< 0.02 grs/SCFD

(8) Process Rate:¹ 64,000 #/hr

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data N/A

1. _____ no. sites _____ TSP _____ () SO₂* _____ Wind spd/dir

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

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

2. Instrumentation, Field and Laboratory

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

B. Meteorological Data Used for Air Quality Modeling N/A

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

C. Computer Models Used N/A

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

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

D. Applicants Maximum Allowable Emission Data N/A

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

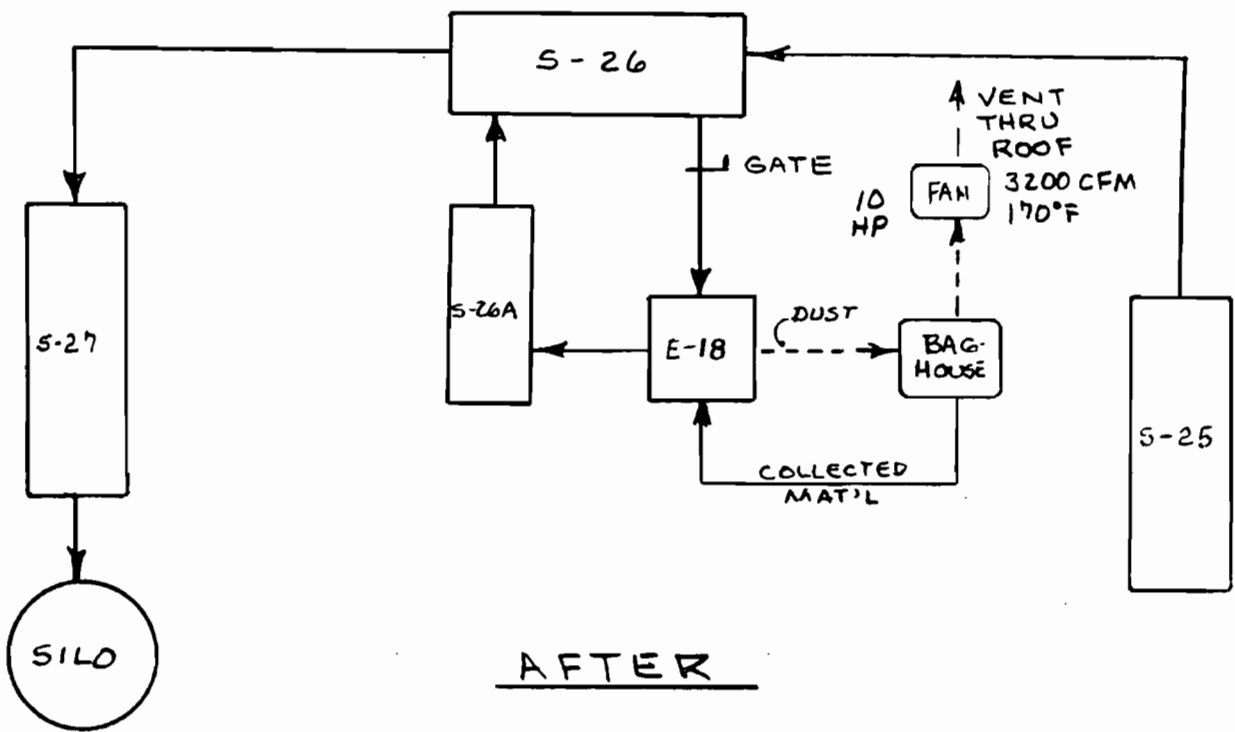
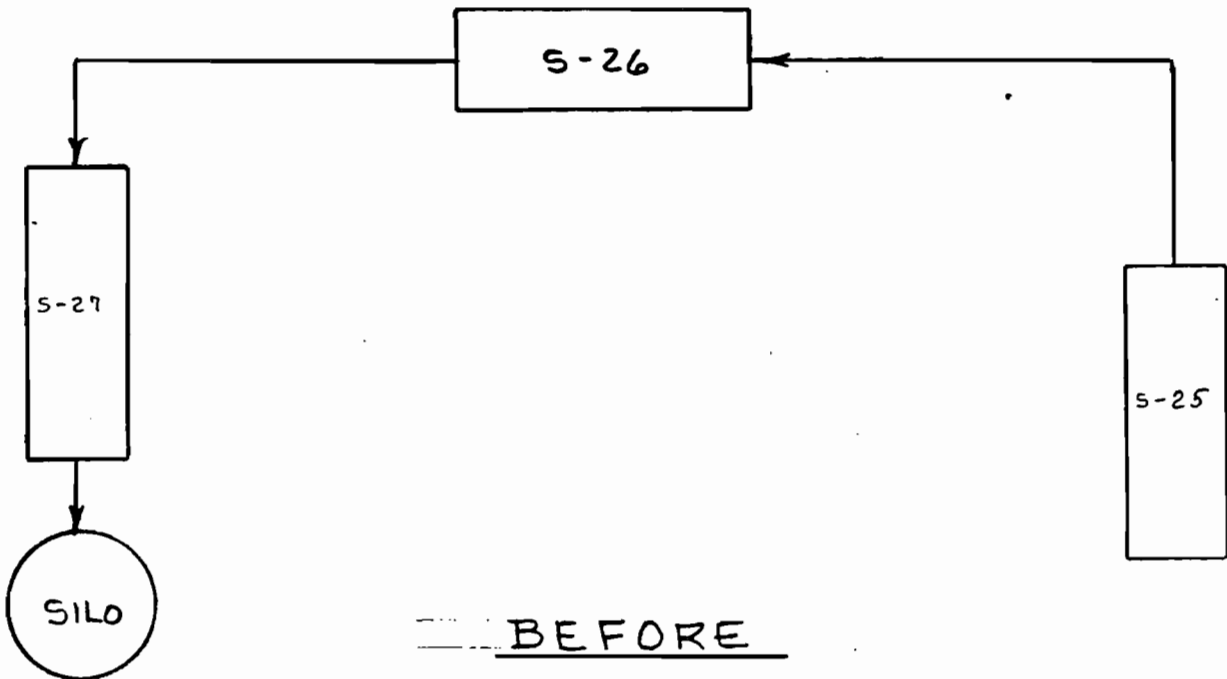
E. Emission Data Used in Modeling N/A

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

F. Attach all other information supportive to the PSD review. N/A

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

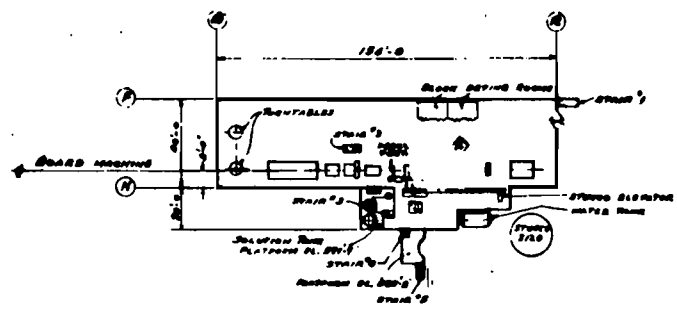
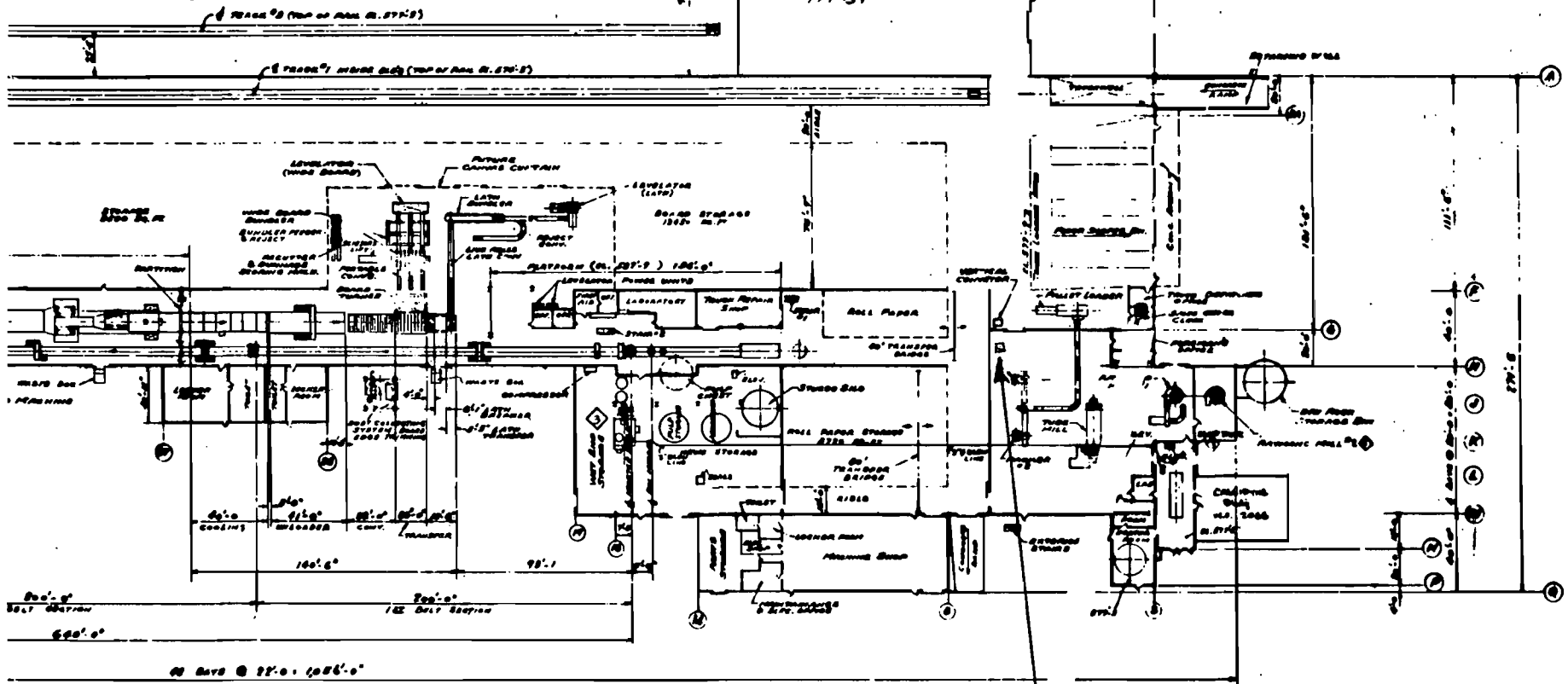
H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology. N/A



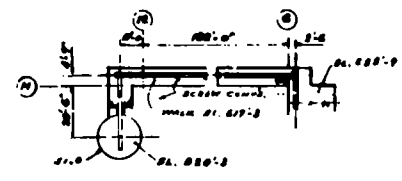
REV	BY	DATE	DESCRIPTION
FLOW CHART FOR E-18 & S-26A			
SCALE	-	DATE	10-28-85
DRAWN	DC	TAMPA	
CHECK		SK-102885	REV. 0
APPD.			
PROJ.	W.D. 2051		

Gold Bond Building Products
 A National Gypsum Division
 3001 Rexford Road
 Charlotte, North Carolina 28211

SATELLITE
SCREW STUD BLDG
TRF-39



PLAN OF PLATFORM AT ELEVATION 587.9



PLAN AT TOP OF STUCCO SILO

LOCATION OF E-18 & S-26A, AND
DUST COLLECTOR

NOTE: - ELEVATIONS EXPRESSED IN PLANT DATUM -
DIMENSIONS GIVEN TO C/ OF COLUMN -

REFERENCE DRAWINGS

TRF-1	PLAT PLAN
TRF-2	GENERAL ARRANG - WET END PLATFORM
- 3	NEWS & BEATER ROOM
- 4	BOARD MACHINE WET END
- 5	WET END & BALL PAPER STORAGE
- 6	STUCCO SHED
- 7	TRUCK OFF EQUIPMENT
TRF-20	CALCINING BLDG
TRF-1	ROLL DRYER & CRUISING BLDG

NO. 1012-21	ADD'D BALL MILL ACCELERATOR SYSTEM PMS W.O. 3057
3-18-64	ADD'D SCREW STUD BLDG W.O. 3025
7-20-67	WET END BUNGER AND S. 26A TRUCK OFF EQUIP. & INSTALLED BY PLANT
REVISION	WHERE USED
NATIONAL GYPSUM CO. BUFFALO, N. Y.	
BOARD PLANT GENERAL ARRANGEMENT	
Scale 1" = 20'-0"	DATE 4/3/60
Drawn by G.F. B.A.H.	TAMPA, FLORIDA
Checked	TFB-1
Approved	

47

48

32°30'

49

1:330 000 FEET

R 18 E

51

BOUNDARY

TAMPA

Port Tampa

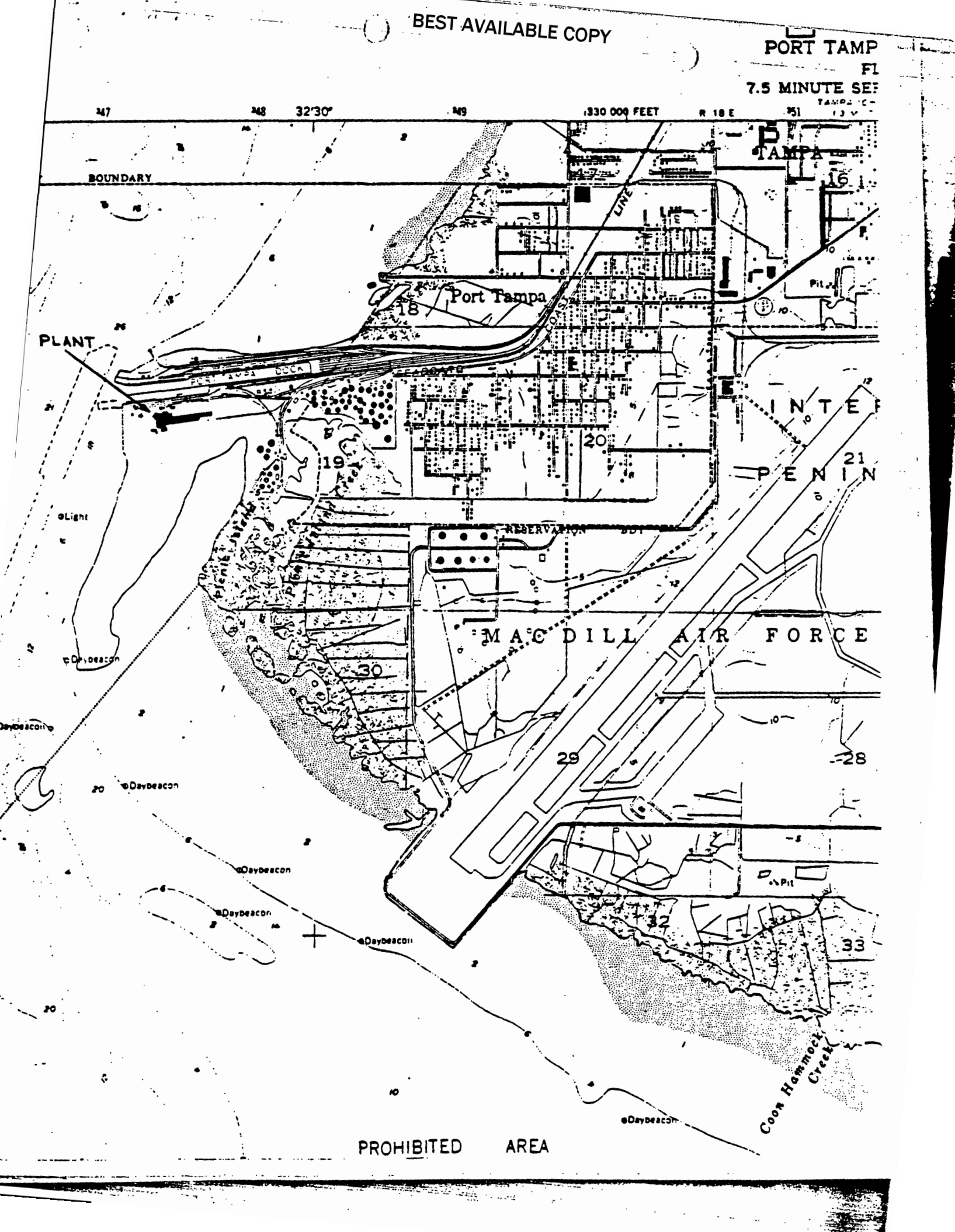
PLANT

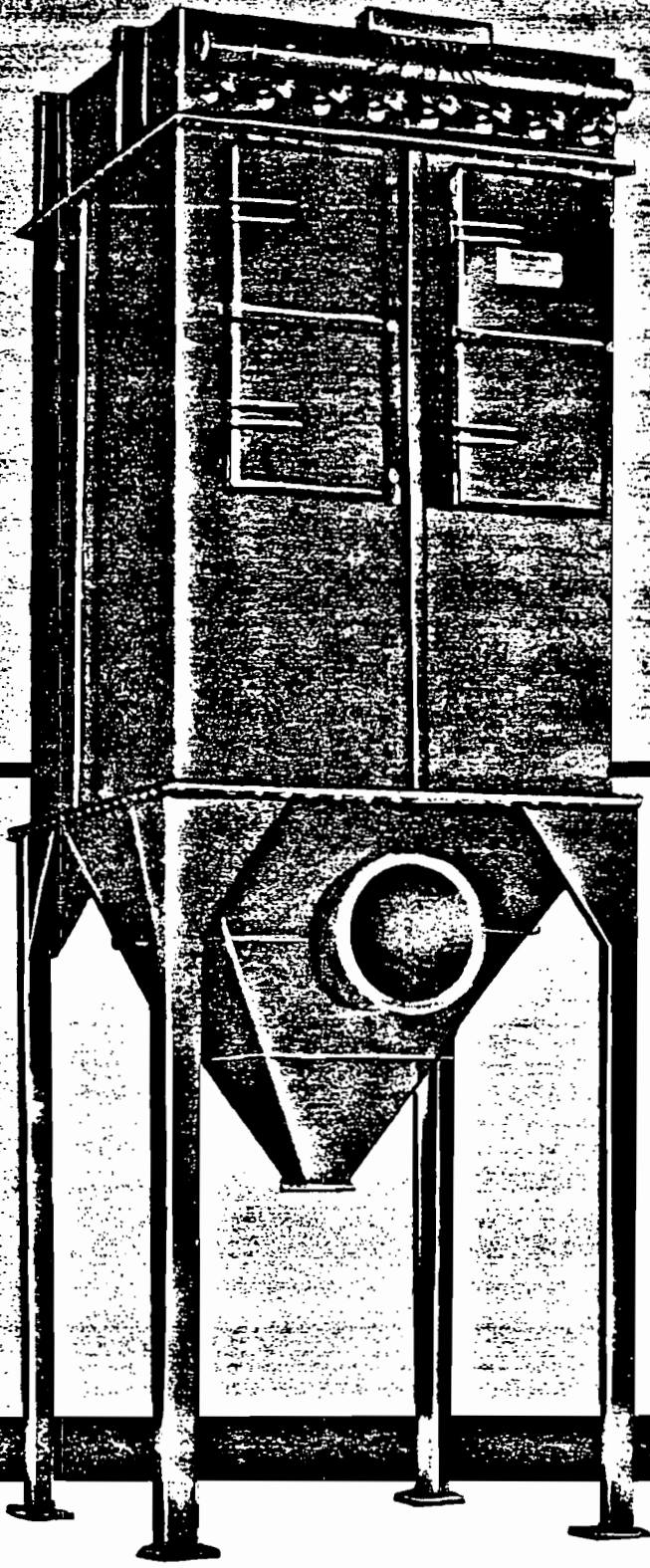
INTER
PENIN

MAC DILL AIR FORCE

PROHIBITED AREA

Coon Hammock
Creek





WR *pulse-jet* **FABRIC FILTERS**

for
PRODUCT RECOVERY
NUISANCE DUST CONTROL
BIN VENTING

- **ALL WELDED**
- **LOW COST**
- **HIGH EFFICIENCY**
- **CAPACITY TO 18,000 CFM**
- **STOCK MODELS AVAILABLE**

Air Pollution Control Equipment

Flex-Kleen

Research-Cottrell

The **WR** series

...all welded pulse-jet dust collector

The WR series is Flex-Kleen's intermediate size filters for use in product recovery systems, general nuisance dust control problems or large bin venting applications. High air/cloth ratios, excellent filtration efficiencies and no internal moving parts make these fabric filters ideal for a broad range of applications. In this bulletin we describe three major categories of the WR series: the WRC custom design and WRS standardized design, both bottom bag removal; and on the back page the WRT top bag removal design. All three offer clear-cut advantages to the customer.

LOW INSTALLATION COSTS

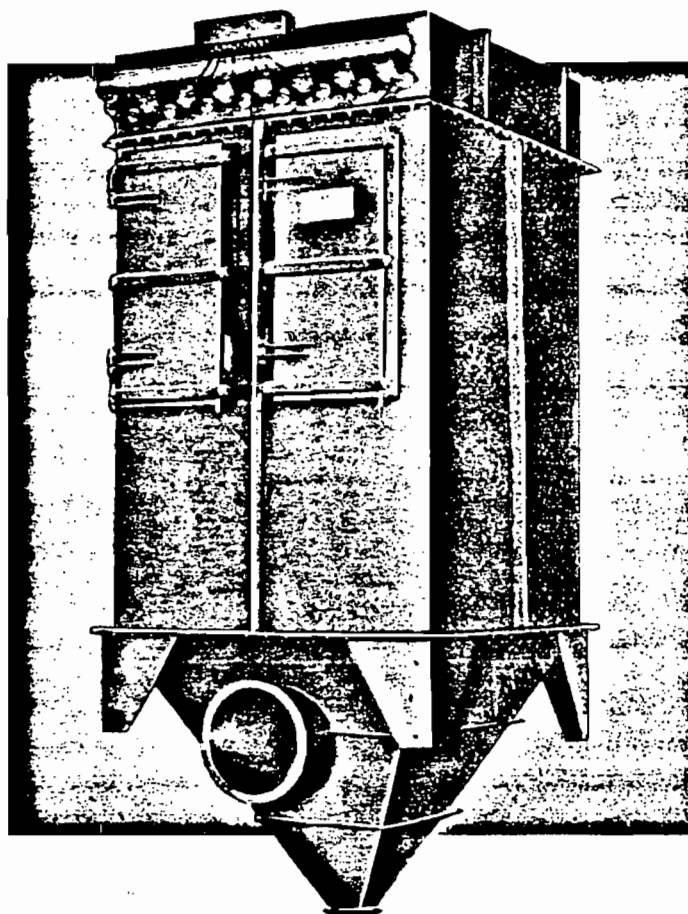
- **HOUSING SHIPPED FULLY ASSEMBLED**
thru the 96 bag size; hoppers shipped separately on larger sizes. This means faster installations and lower field labor costs. Bags, cages and headers shipped separately to avoid damage in transit.
- **QUICK AND EASY**
mounting of compressed air headers; they are shipped pre-wired and pre-piped.

LOW OPERATING COSTS

- **ADJUSTABLE TIMER**
allows user to maintain low pressure drop with minimum compressed air consumption, thereby reducing overall energy cost.
- **DIFFERENTIAL PRESSURE GAUGE**
provided to evaluate collector operation, and optimize bag cleaning program.

LOW MAINTENANCE COSTS

- **NO INTERNAL MOVING PARTS,**
greatly reducing the necessity for interior maintenance; minimizes collector shut-down.
- **EASY INSPECTION**
of the clean air plenum thru quick-opening top access ports. Ample number of access doors to the dusty chamber.
- **QUICK BAG REPLACEMENT.**
Flex-Kleen's bag and cage attach easily and positively. A full internal grid for greater personnel convenience is available as an option; and quick-release clamps (optional) make it even easier to change out bags.



The **WRC** custom fabric filter

...built to customers' specifications

This series of custom collectors, available in sizes shown in the table on the facing page, can be manufactured with modifications (for hazardous service, sanitary applications or height limitations) to meet the exact specifications of the customer or as suggested by our engineers. Inlets and outlets can be modified; and the collector can even be shipped completely knocked down for quick erection in an existing building.

The **WRS** standard fabric filter

...pre-engineered for quick delivery

Flex-Kleen offers the WRS line of standard collectors which have been designed with all the features required to meet most dust control applications. This standardization permits the stocking of components for quick delivery and lower cost. In addition, there are pre-engineered options available to meet individual job requirements, without affecting delivery. Stock units thru 9000 CFM (Model 100WRS-96 in the table below). Larger units available to 18000 CFM.

FEATURES

- Bottom bag removal
- Welded 12 gauge hot rolled steel construction
- ± 17" w.g. design
- Flanged air inlet, outlet and dust discharge
- 20" diameter top access port(s)
- 20" x 44" quick opening access door(s) to the bag chamber
- Heavy gauge cast aluminum venturis
- Heavy duty, smooth wire cages
- NEMA 4 (weathertight) electricals
- Corner saddle supports thru 96-bag size
- Six inch girth channel for continuous support, on sizes larger than 96 bags
- Differential pressure and air header gauges

(BAGHOUSE FOR E-18)

OPTIONS

- Epoxy coated or 304SS bag cages
- Wide range of interior coatings
- Electrical components rated for hazardous areas
- Inlet baffle with target plate
- Full internal service grid
- Standard legs
- Standard exterior access platform
- Quick release bag clamps
- High efficiency filter bags in a variety of materials

WRS FABRIC FILTERS

Smaller models will have a single pyramid hopper

Model No.	Square Feet of Cloth	A	L	Weight (Approx.)
84WRS-48	480	13' 2"	4' 0"	2050
100WRS-48	576	14' 6"	4' 0"	2250
84WRS-64	640	13' 2"	5' 4"	2450
100WRS-64	768	14' 6"	5' 4"	2700
84WRS-80	800	14' 4"	6' 8"	3000
100WRS-80	960	15' 8"	6' 8"	3300
84WRS-96	960	15' 5"	8' 0"	3450
100WRS-96	1152	16' 9"	8' 0"	3800
84WRS-112	1120	12' 10"	9' 4"	3950
100WRS-112	1344	14' 2"	9' 4"	4350
84WRS-128	1280	12' 10"	10' 8"	4300
100WRS-128	1536	14' 2"	10' 8"	4750
84WRS-144	1440	12' 10"	12' 0"	4800
100WRS-144	1728	14' 2"	12' 0"	5300
84WRS-160	1600	12' 10"	13' 4"	5200
100WRS-160	1920	14' 2"	13' 4"	5750
84WRS-176	1760	12' 10"	14' 8"	5750
100WRS-176	2112	14' 2"	14' 8"	6300
84WRS-192	1920	12' 10"	16' 0"	6100
100WRS-192	2304	14' 2"	16' 0"	6750

Certified drawings available on all sizes immediately on receipt of an order. Units in bold-face available from stock.