

Check Sheet

Company Name: GOLD BOND BUILDING PRODUCTS
Permit Number: AC 29-155612
PSD Number: _____
Permit Engineer: _____

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Waiver of Department Action
- Department Response
- Other

Cross References:

-
-
-

Intent:

- Intent to Issue
- Notice of Intent to Issue
- Technical Evaluation
- BACT 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 Determination
- Other

Post Permit Correspondence:

- Extensions/Amendments/Modifications
- Other

P 938 762 616

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, June 1985

Sent to	
Mr. R. G. Moore, Gold Bond	
Street and No. 6110 Commerce St. Bldg. Prod.	
P.O. State and ZIP Code Tampa, FL 33616	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Mailed: 7-11-89	
Permit: AC 29-155612	

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

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

3. Article Addressed to: Mr. R. G. Moore Tampa Plant Manager Gold Bond Building Products 6110 Commerce Street Tampa, FL 33616	4. Article Number P 938 762 616 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Terry D. Blalock</i>	
7. Date of Delivery JUL 13 1989	



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. R. G. Moore
Tampa Plant Manager
Gold Bond Building Products
6110 Commerce Street
Tampa, Florida 33616

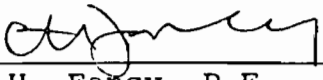
July 7, 1989

Enclosed is permit No. AC 29-155612 to increase the operating rate of the gypsum rock dryer at your 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 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copy furnished to:

W. Thomas, SW District
J. Campbell, EPCHC
P. Chheda, Gold Bond

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 7-11-89.

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

Martha Wise
Clerk

7-11-89
Date

Final Determination

Gold Bond Building Products

Change in Operating Rate of Gypsum Rock Dryer
Permit Number: AC 29-155612

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

July 7, 1989

Final Determination

The construction permit application has been reviewed by the Department. Public notice of the Department's Intent to Issue was published in The Tampa Tribune on June 15, 1989. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Southwest District office in Tampa, the Environmental Protection Commission of Hillsborough County in Tampa, and the DER's Bureau of Air Quality Management office in Tallahassee.

No comments were received during the public notice period. Therefore, the final action of the Department will be to issue the construction permit as drafted.



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:

Gold Bond Building Products
P. O. Box 19307
Tampa, Florida 33616

Permit Number: AC 29-155612

Expiration Date: August 31, 1989

County: Hillsborough

Latitude/Longitude: 27° 52' 00"N
82° 33' 00"W

Project: Change in Operating Rate
of Gypsum Rock Dryer

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

For an increase in the operating rate of the gypsum rock dryer located at the permittee's Tampa facility in Hillsborough County, Florida. The UTM coordinates are Zone 17, 347.3 km E and 3082.7 km N.

The change in operating rate shall be in accordance with the permit application and plans, documents, and reference material submitted unless otherwise stated in the General and Specific Conditions herein.

Attachments:

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1) received September 30, 1988.

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

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

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

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance 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 Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

SPECIFIC CONDITIONS:

1. Maximum permitted production rate for the gypsum rock dryer shall be 110 tons per hour input (wet basis) at a maximum firing rate of 10.9 MMBtu/hr. If the production or firing rate exceeds the maximum permitted rate by 10% or more at any time, a compliance test must be conducted after notifying the Department's Southwest District office and the Environmental Protection Commission of Hillsborough County (EPCHC). The results of this test must be submitted to the Department and the EPCHC within 10 working days. Any emissions in excess of those listed in Specific Conditions Nos. 2 and 3 shall constitute a violation of this permit. The gypsum rock dryer may operate 8,736 hours/year if permitted emissions are not exceeded.

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

SPECIFIC CONDITIONS:

2. Particulate matter emissions from the gypsum dryer shall not exceed 2.83 lbs/hr and 12.39 tons/year. Fuel burned in the rock dryer shall be natural gas or No. 2 fuel oil containing no more than 0.4% sulfur.

3. Visible emissions from the gypsum rock dryer shall not exceed 20% opacity.

4. Fugitive emissions associated with the facility shall be properly controlled or prevented.

5. The permittee shall maintain a daily record of dried rock production and gallons of fuel oil fired in the kiln. If fuel oil is fired for a period of 7 consecutive days, a fuel analysis shall be submitted indicating the weight percent sulfur. These records shall be maintained for 2 years and shall be available for inspection by regulatory agency personnel on request.

6. Before this permit expires, the rock dryer shall be sampled for particulate matter and visible emissions. Test procedures shall be in accordance with EPA Reference Methods 5 and 9 as published in 40 CFR 60. The Department and the EPCHC shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual production rate during the test shall be reported along with the emission results. Two copies of test data shall be submitted to the EPCHC within 45 days of testing.

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


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

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

Issued this 7 day of July,
1989

STATE OF FLORIDA DEPARTMENT
ENVIRONMENTAL REGULATION



Dale Twachtmann, Secretary



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

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

Interoffice Memorandum

TO: Dale Twachtmann

for FROM: Steve Smallwood *ctj*

SUBJ: Approval of Construction Permit No. AC 29-155612
Gold Bond Building Products

DATE: July 7, 1989

Attached for your approval and signature is a permit prepared by Central Air Permitting for the above mentioned company to increase the operating rate of the gypsum rock dryer at their Tampa facility.

No comments were received during the public notice period.

Day 90, after which this permit will be issued by default, is July 17, 1989.

I recommend your approval and signature.

SS/JR/t

attachments

PS Form 3800, June 1985

P 938 762 881

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

Sent to	D. B. Collins
Street and No.	2001 Rexford Rd.
P.O. Zip and ZIP Code	Charlotte NC
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	NC 29-155612 3-2-90

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

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

3. Article Addressed to: D. B. Collins Gold Bond Bldg. Prod. 2001 Rexford Rd. Charlotte, NC	4. Article Number P 938 762 881
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 3-6-90	

PS Form 3800

RETURN TO: ADDRESSEE



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

March 2, 1990


Mr. D. B. Collins
Gold Bond Building Products
2001 Rexford Road
Charlotte, NC 28211-3498

Dear Mr. Collins:

Re: Gypsum Rock Dryer Permit AC 29-155612 (AO 29-168005)

This is in response to your January 8 letter requesting amendment of the above permits. Since your request involves increasing the currently permitted firing rates, there will be an increase in emissions. Permit modifications involving increased emissions at major facilities require a construction permit application with appropriate fee to be submitted to the Bureau of Air Regulation in Tallahassee. We cannot proceed with your request until we receive your complete construction permit application along with the required fee.

Sincerely,


for H. Fancy
Chief
Bureau of Air Regulation

CHF/JR/plm

c: B. Thomas, SW District
J. Campbell, EPCHC
R. G. Moore, GBBP-Tampa



RECEIVED
JAN 12 1990
DER-BADM

January 8, 1990

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

Attn: Mr. Jim Tennington

Re: Rock Dryer
Permit A029-168005

Dear Sir:

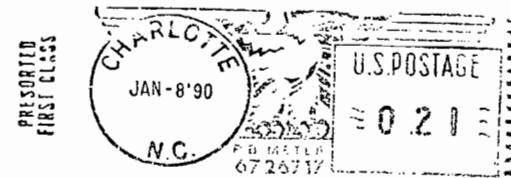
This is a request to amend Specific Condition No. 3 of the above permit. The 10.9 mm BTU's/Hr. was submitted in error based on the 1980 application when we installed the baghouse to replace the old precipitator.

There will be brief periods that the unit will fire at a maximum rate of 32 mm BTU's/Hr. These will be during burner start up for approximately 15 minute durations at intervals of 2 or 3 times per day. Also, the average or (normal) firing rate during normal operation at the permitted rate of 110 T/Hr. will be approximately 16 mm BTU's/Hr.

Therefore, we are requesting that the maximum firing rate be changed to 32 mm BTU's/Hr. and the average firing rate changed to 16 mm BTU's/Hr.

We have enclosed a revised application sheet no. 5 of 12 and a revised Section V which are based on the above firing rates.

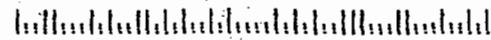
Gold Bond Building Products
2001 Rexford Road
Charlotte, NC 28211



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

Attn: Mr. Jim Tennington

Address Correction Requested



We have discussed this request with Mr. Ed Svac, Chief Environmental Engineer of Hillsborough County EPC, and he suggested that we make the request directly to you.

If you have any questions, please call.

Sincerely,

D B Collins

D. B. Collins

DBC/mmm
enclosures

cc: Edward Svac, Chief Env. Eng.
Hillsborough County EPC
P. H. Chheda
Dir. of Eng.
E. J. Reich
Chief Mech. Eng.
R. G. Moore
Tampa Plant Mgr.

J. Reynolds
B. Thomas, SW Dist.
CAF/BT

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)
Ray-Jet Baghouse				
#9-MEW55	Gypsum	99+%	Unknown	

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	0.01558 MMCF/Hr.	0.03116 MMCF/Hr.	32.0 mm BTU's/Hr.
No. 2 Fuel Oil 0.4%S	114.3 GPH	228.6 GPH	32.0 mm BTU's/Hr.

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

Fuel Analysis:

Percent Sulfur: No. 2 Fuel Oil 0.4%S Percent Ash: 0
 Density: Unknown lbs/gal Typical Percent Nitrogen: Unknown
 Heat Capacity: 1,027 BTU's/CF BTU/lb No. 2 Fuel Oil @ 140,000 BTU/gal
 Other Fuel Contaminants (which may cause air pollution): None

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

Annual Average _____ Maximum _____

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

SECTION V

1. Process Rate

Rock Dryer = 100 T/Hr. Raw Gypsum Input
Remove 5% by Weight Surface
Water = 104.5 T/Hr. Output

2. Emissions

Particulates = Based on allowed limit of .02 GRS/SDCF
and exhaust air flow rate of 16,500
SDCFM (test attached) = .02 GRS/SDCF x
16,500 SDCFM x 60 ÷ 7,000 GRS/Lb. = 2.83
Lbs./Hr.

Tons/Yr. = 2.83 Lbs./Hr. x 8,760 Hrs.
- 2,000 = 12.4 Tons/Yr.

SO₂ = Based on using no. 2 fuel oil as stand-by
fuel on daily basis only. Using AP-42
factor 142S Lbs./1,000 Gal. allowed .4% S
at 228.6 Gal./Hr. = 142 x .4 = 56.8 Lbs.
SO₂/1,000 Gal.
.2286 x 56.8 = 12.98 Lbs./Hr. SO₂

NO_x = Based on natural gas year-round usage,
AP-42 factor 140 Lbs./MMCF, at 15,580
CF/Hr. = 140 x .01558 = 2.18 Lbs./Hr.

Tons/Yr. = 2.18 x 8,760 Hrs. ÷ 2,000 =
9.55 Tons/Yr.

3. Potential Particulate Emissions Without Baghouse:

Estimate grain loading = 20 GRS/SDCF = 20 GRS/SDCF x
16,500 SDCFM x 16,500 SDCFM x 60 ÷ 7,000 GRS/Lb. =
2,828 Lbs./Hr.

Tons/Yr. = 2,828 Lbs./Hr. x 8,760 ÷ 2,000 = 12,400
Tons/Yr.

Estimated Baghouse Efficiency =

$$\frac{2,828 \text{ Lbs./Hr.} - 2.83 \text{ Lbs./Hr.} \times 100 =}{2,828 \text{ Lbs./Hr.}}$$

99.89%

4. Dust Collector:

Ray-Jet #9 MEW-55

4,950 Sq. Ft. Fabric, 14 oz. Nomex

A/C Ratio = $23,600 \div 4,950 = 4.8:1$

III c. E = 17.31 p.16
= 17.31 x 110.16
= 36.72 Lbs./Hr. (Allowable Emissions)



**Gold Bond
Building
Products**

A National Gypsum Division

AO29-155612

RECEIVED

JAN 12 1990

DER-BAQM

January 8, 1990

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

Attn: Mr. Jim Tennington

Re: Rock Dryer
Permit AO29-168005

Dear Sir:

This is a request to amend Specific Condition No. 3 of the above permit. The 10.9 mm BTU's/Hr. was submitted in error based on the 1980 application when we installed the baghouse to replace the old precipitator.

There will be brief periods that the unit will fire at a maximum rate of 32 mm BTU's/Hr. These will be during burner start up for approximately 15 minute durations at intervals of 2 or 3 times per day. Also, the average or (normal) firing rate during normal operation at the permitted rate of 110 T/Hr. will be approximately 16 mm BTU's/Hr.

Therefore, we are requesting that the maximum firing rate be changed to 32 mm BTU's/Hr. and the average firing rate changed to 16 mm BTU's/Hr.

We have enclosed a revised application sheet no. 5 of 12 and a revised Section V which are based on the above firing rates.

No. that would double steady state



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

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

Interoffice Memorandum

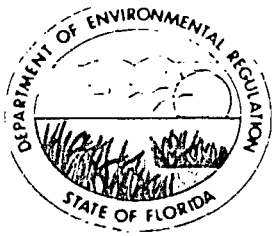
TO: Dale Twachtmann
FROM: Steve Smallwood
DATE: August 31, 1989
SUBJ: Amendment to Construction Permit No. AC 29-155612
Gold Bond Building Products

Attached for your approval and signature is a letter extending the expiration date for the above referenced construction permit.

The Division recommends approval of this amendment.

SS/kt

attachment



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

August 31, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. R. G. Moore
Tampa Plant Manager
Gold Bond Building Products
6110 Commerce Street
Tampa, Florida 33616

Dear Mr. Moore:

The Department received your request for an extension of the expiration date for the construction permit referenced below. The request is acceptable and the following shall be changed:

Project: AC 29-155612

From: August 31, 1989
To: November 30, 1989

Attachment to be Incorporated:

Letter from Gold Bond Building Products dated August 17, 1989, requesting a change in the expiration date.

This letter must be attached to your construction permit, AC 29-155612 and shall become a part of that permit.

Sincerely,

Dale Twachtmann
Secretary

DT/kt

cc: W. Thomas, SW District
J. Campbell, EPCHC
P. Chedda, Gold Bond



C E R T I F I E D

August 17, 1989

RECEIVED

AUG 23 1989

DER-BAQM

State of Florida
Department of Environmental
Regulation
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Change in Operating Rate of Rock Dryer
Permit Number AC29-155612

Dear Sir:

This is a request for an extension of the August 31, 1989
expiration date of the above permit.

A Certificate of Completion of Construction was submitted for
this permit on July 21, 1989.

We are requesting the expiration date be extended to November 30,
1989, for Permit AC29-155612.

Sincerely,

D. B. Collins
Environmental Engineer

DBC/mmm

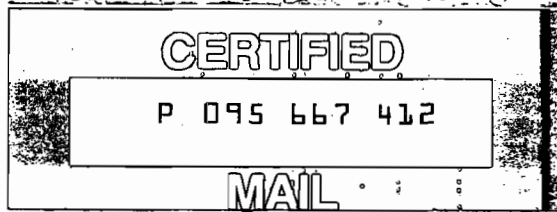
cc: P. H. Chheda
Dir. of Eng.
Iwan Choronenko
EPCHC
R. G. Moore
Tampa Plant Mgr.

*copied: J. Reynolds
N. Kerns, SW Dist
CHF/BT*

RECEIVED
BUREAU OF PERMITS
AUG 22 1989

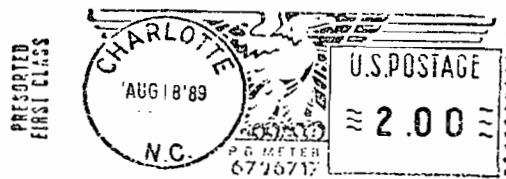
11/18/89
11/18/89
11/18/89

Gold Bond Building Products
2001 Rexford Road
Charlotte, NC 28211



State of Florida
Department of Environmental Regulation
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Address Correction Requested





PM
6-21-89
Tampa, FL

file copy

RECEIVED

June 21, 1989

JUN 23 1989

DLK LAQM

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

Attn: Mr. Bill Thomas

Dear Sir:

Attached you will find a certificate showing publication of a Notice of Intent on the rock dryer - Permit AC-155612 for Gold Bond Building Products, Tampa, Florida.

Sincerely,

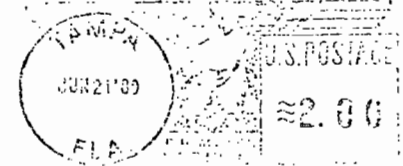
R. G. Moore
Plant Manager

RGM:11
Attachments

CC: Douglas Collins
Charlotte Engineering

*copied: J. Reynolds
B. Thomas SW Dist.
J. Campbell, HCEPC*

GOLD BOND BUILDING PRODUCTS
P. O. BOX 19307
TAMPA, FLORIDA 33686-9307



RETURN RECEIPT
REQUESTED



A National Gypsum Division

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

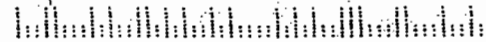
Attn: Bill Thomas

Fold at line over top of envelope to the right
of the return address.

CERTIFIED

P 806 036 922

MAIL



THE TAMPA TRIBUNE

Published Daily
Tampa, Hillsborough County, Florida

State of Florida
County of Hillsborough

ss.

Before the undersigned authority personally appeared
G. T. Gleason, who on oath says that he is Controller 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

NOTICE OF INTENT

was published in said newspaper in the issues of

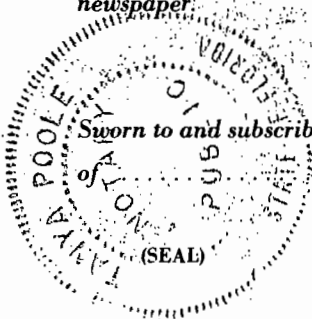
June 15, 1989

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 publica-
tion of the attached copy of advertisement; and affiant further says that he has neither
paid nor promised any person, firm, or corporation any discount, rebate, commission or
refund for the purpose of securing this advertisement for publication in the said
newspaper

G. T. Gleason
Notary Public, State of Florida

Sworn to and subscribed before me, this 15th day My Commission Expires Sept. 8, 1992
June, A.D. 19 89

Janyer Poole



State of Florida
Department of
Environmental Regulation
Notice of Intent

The Department of Environ-
mental Regulation hereby
gives notice of its intent to
issue a permit to Gold Bond
Building Products to increase
the operating rate of the
gypsum rock dryer located at
their Tampa facility. Since the
net increase in emissions of
regulated air pollutants will be
below significant levels, the
project is exempted from new
or modified source review
requirements under F.A.C. 17-2.
The Department is issuing this
intent to issue for the reasons
stated in the Technical Evalua-
tion and Preliminary Determi-
nation.

Persons whose substantial
interests are affected by the
Department's proposed per-
mitting decision may petition
for an administrative determi-
nation (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 Department's Office of
General Counsel, 2600 Blair
Stone Road, Twin Towers Of-
fice Building, Tallahassee, Flori-
da 32399-2400, within
fourteen (14) days of publica-
tion of this notice. Failure to
file a petition within this time
period constitutes a waiver of
any right such person has to
request an administrative de-
termination (hearing) under
Section 120.57, Florida Stat-
utes.

If a petition is filed, the ad-
ministrative hearing process
is designed to formulate agen-
cy action. Accordingly, the
Department's final action may
be different from the pro-
posed agency action. There-
fore, persons who may not
wish to file a petition may
wish to intervene in the
proceeding. A petition for inter-
vention must be filed pursuant
to Rule 28-5.207, Florida Ad-
ministrative Code, at least five
(5) days before the final hear-
ing and be filed with the hear-
ing officer if one has been as-
signed at the Division of Ad-
ministrative Hearings, Depart-
ment of Administration, 2009
Apalachee Parkway, Tallahas-
see, Florida 32301. If no hear-
ing officer has been assigned,
the petition is to be filed with
the Department's Office of
General Counsel, 2600 Blair
Stone Road, Tallahassee, Flori-
da 32399-2400. Failure to
petition to intervene within
the allowed time frame
constitutes a waiver of any
right such person has to re-
quest 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 32399-
2400

Dept. of Environmental
Regulation
Southwest District
4520 Live Oak Fair Blvd.
Tampa, Florida 33610-7349
Environmental Protection
Commission of
Hillsborough County
1410 North 21st Street
Tampa, Florida 33605

Any person may send writ-
ten comments on the pro-
posed action to Mr. Bill Thom-
as at the Department's Talla-
hassee address. All comments
mailed within 14 days of the
publication of this notice will
be considered in the Depart-
ment's final determination.



VSA Bobby Lue

RECEIVED

JAN 14 1987

U.C.P.A.

January 9, 1987

Mr. Henry R. Lue
Air Permitting Engineer
Hillsborough County Environmental
Protection Commission
1900 9th Avenue
Tampa, FL 33605

Dear Mr. Lue:

The Rock Dryer permit A029-126064 Point ID #36 was issued with a maximum of operating hours of 5824 hr./yr. as stated in Specific Condition #2.

Gold Bond Building Products requests an amendment to this permit to increase operating hours to 8,736 hrs./year.

Specific Condition #1 would remain at 0.02 gr./dscf, up to 3.6 lb./hr., but would increase the 10.5 TPY to 15.7 TPY.

If you require any additional information, please contact me at 813-839-2111.

Sincerely,

Neil A. Padgett

Neil A. Padgett
Quality Control Supvr.

P 274 007 531

RECEIPT FOR CERTIFIED MAIL

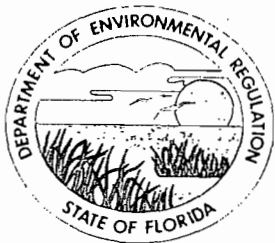
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, June 1985		* U.S.G.P.O. 1985-480-794	
Postmark or Date Mailed: 12-13-88 Permit: AC 29-155612	Return Receipt showing to whom and Date Delivered	Return Receipt showing to whom, Date, and Address of Delivery	TOTAL Postage and Fees
Special Delivery Fee	Restricted Delivery Fee	Postage	\$
Certified Fee			\$
Street and No. 6110 Commerce St.	P.O. State and ZIP Code Tampa, FL 33616		
Sent to Mr. R. G. Moore, Gold Bond Bldg. Products			

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

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

3. Article Addressed to: Mr. R. G. Moore Gold Bond Building Products 6110 Commerce Street Tampa, FL 33616	4. Article Number P 274 007 531 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature — Address X	Always obtain signature of addressee or agent and DATE DELIVERED.
6. Signature — Agent X <i>Margo Jancso</i>	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery DEC 19 1988	



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

December 12, 1988

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. R. G. Moore
Tampa Plant Manager
Gold Bond Building Products
6110 Commerce Street
Tampa, Florida 33616

Dear Mr. Moore:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to increase the operating rate of the gypsum rock dryer at your Tampa Facility.

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

Sincerely,

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

CHF/JR/ss

Attachments

cc: W. Thomas, SW District
J. Campbell, EPCHC
P. Chheda, Gold Bond

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Gold Bond Building Products
P. O. 19307
Tampa, Florida 33616

DER File No. AC 29-155612

INTENT TO ISSUE

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

The applicant, Gold Bond Building Products, applied on September 30, 1988, to the Department of Environmental Regulation for a permit to increase the operating rate of the gypsum rock dryer located at their existing facility in Tampa, Florida.

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


Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit applications. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S. A person whose substantial interests are affected by the

Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. Petitions must comply with the requirements of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copy enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

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:

W. Thomas, SW District
J. Campbell, EPCHC
P. Chheda, Gold Bond

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.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on December 13, 1988.

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.

Maitha Gillise December 13, 1988
Clerk Date

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Gold Bond Building Products to increase the operating rate of the gypsum rock dryer located at their Tampa facility. Since the net increase in emissions of regulated air pollutants will be below significant levels, the project is exempted from new or modified source review requirements under F.A.C. 17-2. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (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 Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has 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 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 32399-2400. 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 32399-2400

Dept. of Environmental Regulation
Southwest District
4520 Live Oak Fair Blvd.
Tampa, Florida 33610-7349

Environmental Protection Commission
of Hillsborough County
1410 North 21st Street
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 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation
and
Preliminary Determination

Gold Bond Building Products

Change in Operating Rate of Gypsum Rock Dryer
Permit No. AC 29-155612

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

December 13, 1988

I. Application

A. Gold Bond Building Products
Post Office Box 19307
Tampa, Florida 33616

B. Request

The Department received an application on September 30, 1988, to increase the operating rate of the gypsum rock dryer at the applicant's facility in Tampa, Florida. The application was deemed complete on October 26, 1988.

C. Location/Classification

The applicant's gypsum board manufacturing facility (SIC Code 3275) is located at 6110 Commerce Street in Tampa. Latitude and longitude are 27°52'00"N and 82°33'00"W, respectively. The UTM coordinates of the site are: Zone 17, 347.3 km E and 3082.7 km N.

II. Project Description/Emissions

The applicant proposes to increase the process rate from 93 tons of gypsum rock dried per hour to 110 tons per hour and to change the operating hours for the gypsum rock dryer from 16 to 24 hours per day (8,736 hr/year). The applicant stated that there will be no increase in exhaust air flow rate.

Using that assumption, the increase in actual emissions will result only from the increase in operating hours as shown below:

	Former Level	New Level	Increase
PM	3.6 lbs/hr (10.5 TPY)	2.8 lbs/hr* (12.4 TPY)*	-- (1.9 TPY)
SO ₂	1.2 lbs/hr (3.5 TPY)	4.0 lbs/hr (17.5 TPY)	2.8 lbs/hr (14.0 TPY)
NO _x	2.5 lbs/hr (7.3 TPY)	1.5 lbs/hr* (6.6 TPY)*	-- --

*Includes downward adjustment of emission factors based on recent emission test.

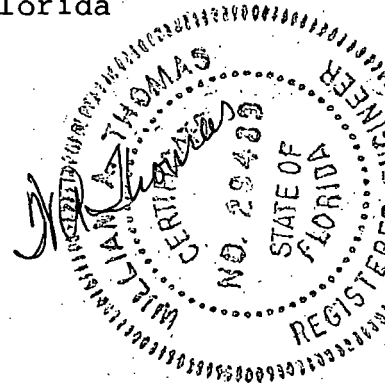
III. Rule Applicability

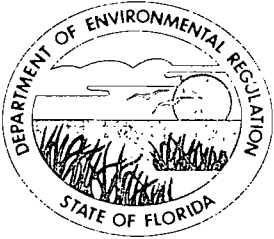
The construction permit application is subject to review under Chapter 403, Florida Statutes and Florida Administrative Code (F.A.C.) Rules 17-2 and 17-4. The source is located in an area of influence of a nonattainment area for particulate matter and SO₂. The area is classified as attainment for other criteria

pollutants except ozone (nonattainment) and SO₂ for which the location is designated as unclassifiable (F.A.C. Rule 17-2.410(1) and (2); 17-2.420; and 17-2.430(2)). New source review requirements under F.A.C. Rule 17-2.510 do not apply since the net emission increases are below significant levels. The RACT limits for particulate matter and visible emissions (F.A.C. Rule 17-2.650(2)(c)12.6) do not apply since the source has a BACT determination pursuant to F.A.C. Rule 17-2.630. The existing BACT-based operating permit limits shall apply other than as specified herein.

IV. Conclusion

Based on the information provided by applicant, the Department has reasonable assurance that the proposed change in operating rate, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of an ambient air quality standard, PSD increment, or any other technical provisions of Chapter 17-2 of the Florida Administrative Code.





Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Gold Bond Building Products
P. O. Box 19307
Tampa, Florida 33616

Permit Number: AC 29-155612
Expiration Date: August 31, 1989
County: Hillsborough
Latitude/Longitude: 27° 52' 00"N
82° 33' 00"W
Project: Change in Operating Rate
of Gypsum Rock Dryer

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

For an increase in the operating rate of the gypsum rock dryer located at the permittee's Tampa facility in Hillsborough County, Florida. The UTM coordinates are Zone 17, 347.3 km E and 3082.7 km N.

The change in operating rate shall be in accordance with the permit application and plans, documents, and reference material submitted unless otherwise stated in the General and Specific Conditions herein.

Attachments:

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1) received September 30, 1988.

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

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

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

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance 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 Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

GENERAL CONDITIONS:

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

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

SPECIFIC CONDITIONS:

1. Maximum permitted production rate for the gypsum rock dryer shall be 110 tons per hour input (wet basis) at a maximum firing rate of 10.9 MMBtu/hr. If the production or firing rate exceeds the maximum permitted rate by 10% or more at any time, a compliance test must be conducted after notifying the Department's Southwest District office and the Environmental Protection Commission of Hillsborough County (EPCHC). The results of this test must be submitted to the Department and the EPCHC within 10 working days. Any emissions in excess of those listed in Specific Conditions Nos. 2 and 3 shall constitute a violation of this permit. The gypsum rock dryer may operate 8,736 hours/year if permitted emissions are not exceeded.

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

SPECIFIC CONDITIONS:

2. Particulate matter emissions from the gypsum dryer shall not exceed 2.83 lbs/hr and 12.39 tons/year. Fuel burned in the rock dryer shall be natural gas or No. 2 fuel oil containing no more than 0.4% sulfur.

3. Visible emissions from the gypsum rock dryer shall not exceed 20% opacity.

4. Fugitive emissions associated with the facility shall be properly controlled or prevented.

5. The permittee shall maintain a daily record of dried rock production and gallons of fuel oil fired in the kiln. If fuel oil is fired for a period of 7 consecutive days, a fuel analysis shall be submitted indicating the weight percent sulfur. These records shall be maintained for 2 years and shall be available for inspection by regulatory agency personnel on request.

6. Before this permit expires, the rock dryer shall be sampled for particulate matter and visible emissions. Test procedures shall be in accordance with EPA Reference Methods 5 and 9 as published in 40 CFR 60. The Department and the EPCHC shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual production rate during the test shall be reported along with the emission results. Two copies of test data shall be submitted to the EPCHC within 45 days of testing.

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

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

PERMITTEE:
Gold Bond Bldg. Products

Permit Number: AC 29-155612
Expiration Date: August 31, 1989

Issued this _____ day of _____,
1988

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Dale Twachtman, Secretary

ATTACHMENT 1

Available Upon Request.



RECEIVED

SEP 26 1988

E.P.C. OF H.C. AIR PROGRAM

RECEIVED

00713

September 19, 1988 E.P.C. OF H.C. AIR PROGRAM

Mr. Victor San Agustin
Hillsborough County Environ-
mental Protection Commission
1410 N. 21st Street
Tampa, FL 33605

Re: Rock Dryer Permit -
A029-126064

Dear Mr. San Agustin:

As per your letter dated August 8, 1988, enclosed are five copies of the completed application to change the process rate of the Rock Dryer from 90 tons/hr. to 110 tons/hr. and to change operating hours from 16 hrs./day to 24 hr./day.

Also attached is a check for \$100.00 to Florida DER and a check for \$365.00 to HCBC.

If you have any questions, please call.

Sincerely,

R. G. Moore

R. G. Moore
Plant Manager

RGM:11
Attachments

CC: P. Chheda - Charlotte Eng.
W. Harkins - Charlotte Mfg.

RECEIVED
OCT 4 1988
DER-BAQM

RECEIVED

SEP 30 1988

DER-BAQM

RECEIVED
DER-MAIL ROOM
1988 SEP 30 PM 1:36

1031

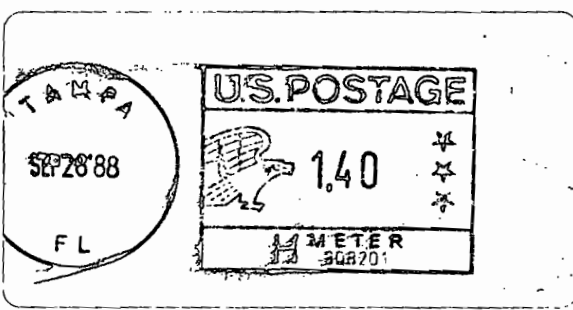
ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY
AIR POLLUTION CONTROL PROGRAM
1410 N. 21st STREET
TAMPA, FL 33605

BC

DEF. PAPER

SEP 28 1988
TAMPA, FL

Mr. Bill Thomas
Division of Air Resources Management
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400





020 No 220010071

66-798
531

TAMPA, FLORIDA Sept. 19, 1988

PAY TO THE
ORDER OF

DEPT. OF ENVIRONMENTAL REGULATION
Florida Department of Environmental Protection Comm. \$ 100.00

One Hundred and 00/100***** DOLLARS

GOLD BOND BUILDING PRODUCTS
MILL CASH ACCOUNT

NORTH CAROLINA NATIONAL BANK
ASHEVILLE, NC 28802

R G Moore

AUTHORIZED SIGNATURE

NGS-4058 REV. 11-80

Dear Mr. San Agustin:

As per your letter dated August 8, 1988, enclosed are five copies of the completed application to change the process rate of the Rock Dryer from 90 tons/hr. to 110 tons/hr. and to change operating hours from 16 hrs./day to 24 hr./day.

Also attached is a check for \$100.00 to Florida DER and a check for \$365.00 to HCBC.

If you have any questions, please call.

Sincerely,

R G Moore

R. G. Moore
Plant Manager

RGM:11
Attachments

CC: P. Chheda - Charlotte Eng.
W. Harkins - Charlotte Mfg.

RECEIVED

SEP 30 1988

DER-BAQM

RECEIVED
DER - MAIL ROOM
1988 SEP 30 PM 1:36

1031

AC 29-155612

RECEIVED #100 pd.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH TAMPA, FLORIDA 33610

RECEIVED SEP 26 1988



E.P.C. OF H.C. AIR PROGRAM

BOB GRAHAM GOVERNOR

VICTORIA J. TSCHINKEL SECRETARY

WILLIAM K. HENNESSEY DISTRICT MANAGER

E.P.C. OF H.C. AIR PROGRAM

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: AIR POLLUTION [] New [X] Existing

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

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) ROCK DRYER FABRIC FILTER

SOURCE LOCATION: Street 6110 COMMERCE STREET City PORT TAMPA

UTM: East 17-347.3 North 3082.7

Latitude 27° 52' N Longitude 82° 33' W

APPLICANT NAME AND TITLE: R. G. MOORE, TAMPA PLANT MANAGER

APPLICANT ADDRESS: 6110 COMMERCE STREET, TAMPA, FL 33616

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of NATIONAL GYPSUM CO. GOLD BOND BUILDING PRODUCTS REVISION TO OPERATING HOURS AND TONS/HR.

I certify that the statements made in this application for a 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 permit establishment.

*Attach letter of authorization

Signed: RGM

R. G. MOORE, PLANT MANAGER Name and Title (Please Type)

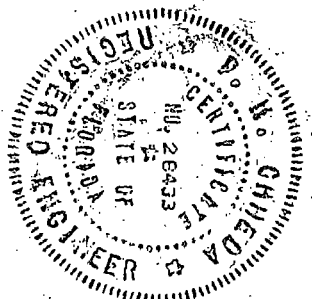
Date: 9-26-88 Telephone No. (813) 839-2111

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
Name (Please Type)

GOLD BOND BUILDING PRODUCTS
Company Name (Please Type)

2001 REXFORD RD., CHARLOTTE, N. C. 28211
Mailing Address (Please Type)

Florida Registration No. 28433 Date: 9/15/88 Telephone No. (704) 365-7300

SECTION II: GENERAL PROJECT INFORMATION

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

THIS IS AN APPLICATION TO CHANGE OPERATING HOURS FROM 16 TO 24 HRS./DAY AND
PROCESS RATE FROM 90 T/HR. TO 110 T/HR. THERE WILL BE NO INCREASE IN
EXHAUST AIR FLOW RATE.

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

Start of Construction N/A Completion of Construction N/A

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.)

N/A

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

AC 29-31040

A0 29-126064

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52; if power plant, hrs/yr _____; if seasonal, describe: _____

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

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

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? N/A
- a. If yes, for what pollutants? _____
 - b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any 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		
GYPSUM			220,000	

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

1. Total Process Input Rate (lbs/hr): 220,000
2. Product Weight (lbs/hr): 209,000 (5% H₂O Removed)

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/HR.	T/yr	
GYPSUM	2.83	12.39	E = 17.31 P ¹⁶ P = 110 T/HR	36.72	2828	12,400	
SO ₂	3.98	N/A			3.98	N/A	
NO _x	1.49	6.52			1.49	6.52	

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)
RAY-JET	GYPSUM	99+%	UNKNOWN	
9 MEW 55				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
NAT. GAS	10,640 CF	10,640 CF	10.9
NO. 2 OIL	62 GAL.	70 GAL.	9.8

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

Fuel Analysis: GAS 0%

Percent Sulfur: NO. 2 OIL 0.4%S Percent Ash: 0

Density: UNKNOWN lbs/gal Typical Percent Nitrogen: UNKNOWN

Heat Capacity: 1027 BTU/CF ~~XXXXX~~ 140,000 NO. 2 OIL BTU/gal

Other Fuel Contaminants (which may cause air pollution):

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

Annual Average _____ Maximum _____

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

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

Stack Height: 64' ft. Stack Diameter: 42" ft.
 Gas Flow Rate: 23,600 ACFM 16,500 DSCFM Gas Exit Temperature: 180-200 °F.
 Water Vapor Content: 10% % Velocity: _____ 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 _____ wka/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: _____

JET-PULSE BAGHOUSE

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 ATTACHED

Please provide the following supplements where required for this application.

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

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

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY N/A

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
_____	_____
_____	_____
_____	_____
_____	_____

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

Yes No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

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

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

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

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

*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

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

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

1.

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

2.

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

¹Explain method of determining efficiency.

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

j. Applicability to manufacturing processes:

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

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

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

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

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

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

Other data recorded _____

Attach all data or statistical summaries to this application.

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

2. Instrumentation, Field and Laboratory

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

B. Meteorological Data Used for Air Quality Modeling

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

C. Computer Models Used

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

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

D. Applicants Maximum Allowable Emission Data

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

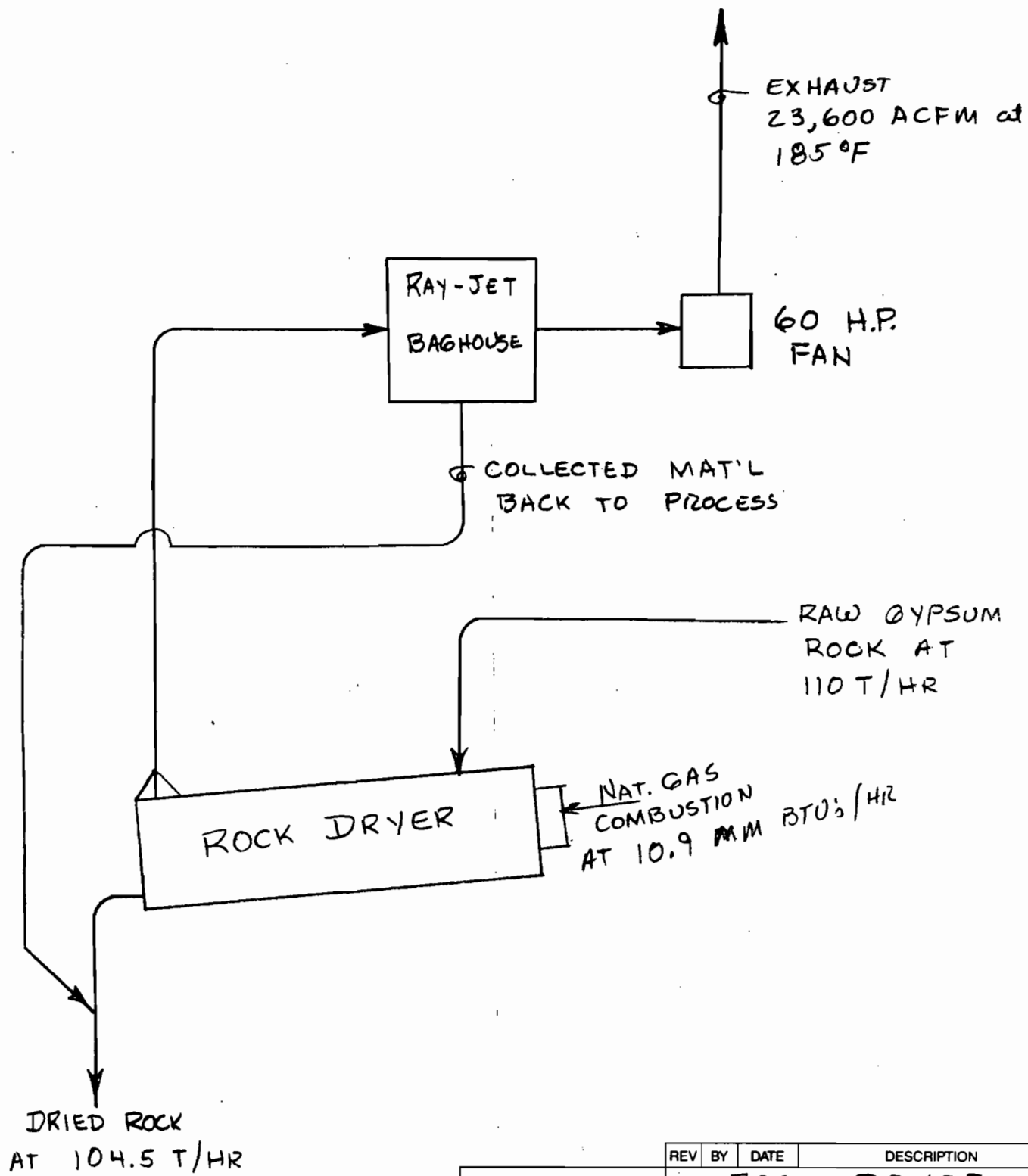
E. Emission Data Used in Modeling


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

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

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

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



 A National Gypsum Division 2001 Rexford Road Charlotte, North Carolina 28211		<table border="1"> <thead> <tr> <th>REV</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>ROCK DRYER FLOW CHART</td> </tr> <tr> <td></td> <td></td> <td>8-25-88</td> <td>TAMPA</td> </tr> <tr> <td></td> <td></td> <td></td> <td>SK 082588-3</td> </tr> <tr> <td></td> <td></td> <td></td> <td>REV. 0</td> </tr> </tbody> </table>	REV	BY	DATE	DESCRIPTION				ROCK DRYER FLOW CHART			8-25-88	TAMPA				SK 082588-3				REV. 0
REV	BY	DATE	DESCRIPTION																			
			ROCK DRYER FLOW CHART																			
		8-25-88	TAMPA																			
			SK 082588-3																			
			REV. 0																			
<table border="1"> <tr> <td>SCALE</td> <td>DATE</td> </tr> <tr> <td>DRAWN <i>JBC</i></td> <td></td> </tr> <tr> <td>CHECK</td> <td></td> </tr> <tr> <td>APPD.</td> <td></td> </tr> <tr> <td>PROJ.</td> <td></td> </tr> </table>		SCALE	DATE	DRAWN <i>JBC</i>		CHECK		APPD.		PROJ.												
SCALE	DATE																					
DRAWN <i>JBC</i>																						
CHECK																						
APPD.																						
PROJ.																						

SECTION V

1. Process Rate

Rock Dryer = 110 T/Hr. Raw Gypsum Input
 Remove 5% by Weight Surface
 Water = 104.5 T/Hr. Output

2. Emissions

Particulates = Based on allowed limit of .02 GRS/SDCF
 and exhaust air flow rate of 16,500
 SDCFM (test attached) = .02 GRS/SDCF x
 16,500 SDCFM x 60 ÷ 7000 GRS/Lb. = 2.83
 Lbs./Hr.
 Tons/Yr. = 2.83 Lbs./Hr. x 8760 Hrs.
 ÷ 2000 = 12.4 Tons/Yr.

SO₂ = Based on using no. 2 fuel oil as stand-
 by fuel on daily basis only. Using
 AP-42 factor 142S Lbs./1000 Gal. allowed
 .4%S at 70 Gal./Hr. = 142 x .4 = 56.8
 Lbs. SO₂/1000 Gal.
 70 ÷ 1000 x 56.8 = 3.98 Lbs./Hr. SO₂

NO_x = Based on natural gas year round usage,
 AP-42 factor 140 Lbs./MMCF, at 10,640
 CF/Hr. = 140 x .01064 = 1.49 Lbs./Hr.
 Tons/Yr. = 1.49 x 8760 Hrs. ÷ 2000 =
 6.52 T/Yr.

3. Potential Particulate Emissions Without Baghouse:

Estimate grain loading = 20 GRS/SDCF = 20 GRS/SDCF x
 16,500 SDCFM x 16,500 SDCFM x 60 ÷ 7,000 GRS/Lb. =
 2,828 Lbs./Hr.
 Tons/Yr. = 2,828 Lbs./Hr. x 8760 ÷ 2000 = 12,400 T/Yr.

Estimated Baghouse Efficiency =

$$\frac{2,828 \text{ Lbs./Hr.} - 2.83 \text{ Lbs./Hr.}}{2,828 \text{ Lbs./Hr.}} \times 100 =$$

99.89%

4. Dust Collector:

Ray-Jet #9 MEW-55
 4950 Sq. Ft. Fabric, 14 oz. Nomex
 A/C Ratio = 23,600 ÷ 4950 = 4.8:1

$$\begin{aligned} \text{III c. } E &= 17.31 P^{.16} \\ &= 17.31 \times 110^{.16} \\ &= 36.72 \text{ LBS./HR. (Allowable Emissions)} \end{aligned}$$

5. Manufacturers' Data
6. See Attached
7. See General Information
8. See Attached
9. Fees Attached

TABLE 1.4-1. UNCONTROLLED EMISSION FACTORS FOR NATURAL GAS COMBUSTION^a

Furnace Size & Type (10 ⁶ Btu/hr heat input)	Particulates ^b		Sulfur ^c Dioxide		Nitrogen ^{d,e} Oxide		Carbon ^{f,g} Monoxide		Volatile Organics					
	kg/10 ⁶ m ³	lb/10 ⁶ ft ³	kg/10 ⁶ m ³	lb/10 ⁶ ft ³	kg/10 ⁶ m ³	lb/10 ⁶ ft ³	kg/10 ⁶ m ³	lb/10 ⁶ ft ³	kg/10 ⁶ m ³	lb/10 ⁶ ft ³	kg/10 ⁶ m ³	lb/10 ⁶ ft ³	kg/10 ⁶ m ³	lb/10 ⁶ ft ³
Utility boilers (>100)	16-80 ^v	1-5	9.6	0.6	8800 ^h	550 ^h	640	40	23	1.4	4.8	0.3		
Industrial boilers (10 - 100)	16-80	1-5	9.6	0.6	2240	140	560	35	44	2.8	48	3		
Domestic and commercial boilers (<10)	16-80	1-5	9.6	0.6	1600	100	320	20	84	5.3	43	2.7		

^aAll emission factors are expressed as weight per volume fuel fired.

^bReferences 15-18.

^cReference 4 (based on an average sulfur content of natural gas of 4600 g/10⁶ Nm³ (2000 gr/10⁶ scf).

^dReferences 4-5,7-8,11,14,18-19,21.

^eExpressed as NO₂. Test results indicate that about 95 weight % of NO_x is NO.

^fReferences 4,7-8,16,18,22-25.

^gReferences 16 and 18. May increase 10 to 100 times with improper operation or maintenance.

^hUse 4400 kg/10⁶ m³ (275 lb/10⁶ ft³) for tangentially fired units. At reduced loads, multiply this factor by the load reduction coefficient given in Figure 1.4-1. See text for potential NO_x reductions by combustion modifications. Note that the NO_x reduction from these modifications will also occur at reduced load conditions.

TABLE 1.3-1. UNCONTROLLED EMISSION FACTORS FOR FUEL OIL COMBUSTION

EMISSION FACTOR RATING: A

Boiler Type ^a	Particulate ^b Matter		Sulfur Dioxide ^c		Sulfur Trioxide		Carbon Monoxide ^d		Nitrogen Oxide ^e		Volatile Organics ^f			
	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal
Utility Boilers														
Residual Oil	g	g	19S	157S	0.34S ^h	2.9S ^h	0.6	5	8.0 (12.6)(5) ⁱ	67 (105)(42) ⁱ	0.09	0.76	0.03	0.28
Industrial Boilers														
Residual Oil	g	g	19S	157S	0.24S	2S	0.6	5	6.6 ^j	55 ^j	0.034	0.28	0.12	1.0
Distillate Oil	0.24	2	17S	142S	0.24S	2S	0.6	5	2.4	20	0.024	0.2	0.006	0.052
Commercial Boilers														
Residual Oil	g	g	19S	157S	0.24S	2S	0.6	5	6.6	55	0.14	1.13	0.057	0.475
Distillate Oil	0.24	2	17S	142S	0.24S	2S	0.6	5	2.4	20	0.04	0.34	0.026	0.216
Residential Furnaces														
Distillate Oil	0.3	2.5	17S	142S	0.24S	2S	0.6	5	2.2	18	0.085	0.713	0.214	1.78

^aBoilers can be approximately classified according to their gross (higher) heat rate as shown below:

Utility (power plant) boilers: >106 x 10⁹ J/hr (>100 x 10⁶ Btu/hr)
 Industrial boilers: 10.6 x 10⁹ to 106 x 10⁹ J/hr (10 x 10⁶ to 100 x 10⁶ Btu/hr)
 Commercial boilers: 0.5 x 10⁹ to 10.6 x 10⁹ J/hr (0.5 x 10⁶ to 10 x 10⁶ Btu/hr)
 Residential furnaces: <0.5 x 10⁹ J/hr (<0.5 x 10⁶ Btu/hr)

^bReferences 3-7 and 24-25. Particulate matter is defined in this section as that material collected by EPA Method 5 (front half catch).

^cReferences 1-5. S indicates that the weight % of sulfur in the oil should be multiplied by the value given.

^dReferences 3-5 and 8-10. Carbon monoxide emissions may increase by factors of 10 to 100 if the unit is improperly operated or not well maintained.

^eExpressed as NO₂. References 1-5, 8-11, 17 and 26. Test results indicate that at least 95% by weight of NO_x is NO for all boiler types except residential furnaces, where about 75% is NO.

^fReferences 18-21. Volatile organic compound emissions are generally negligible unless boiler is improperly operated or not well maintained, in which case emissions may increase by several orders of magnitude.

^gParticulate emission factors for residual oil combustion are, on average, a function of fuel oil grade and sulfur content:

Grade 6 oil: 1.25(S) + 0.38 kg/10³ liter [10(S) + 3 lb/10³ gal] where S is the weight % of sulfur in the oil. This relationship is based on 81 individual tests and has a correlation coefficient of 0.65.

Grade 5 oil: 1.25 kg/10³ liter (10 lb/10³ gal)

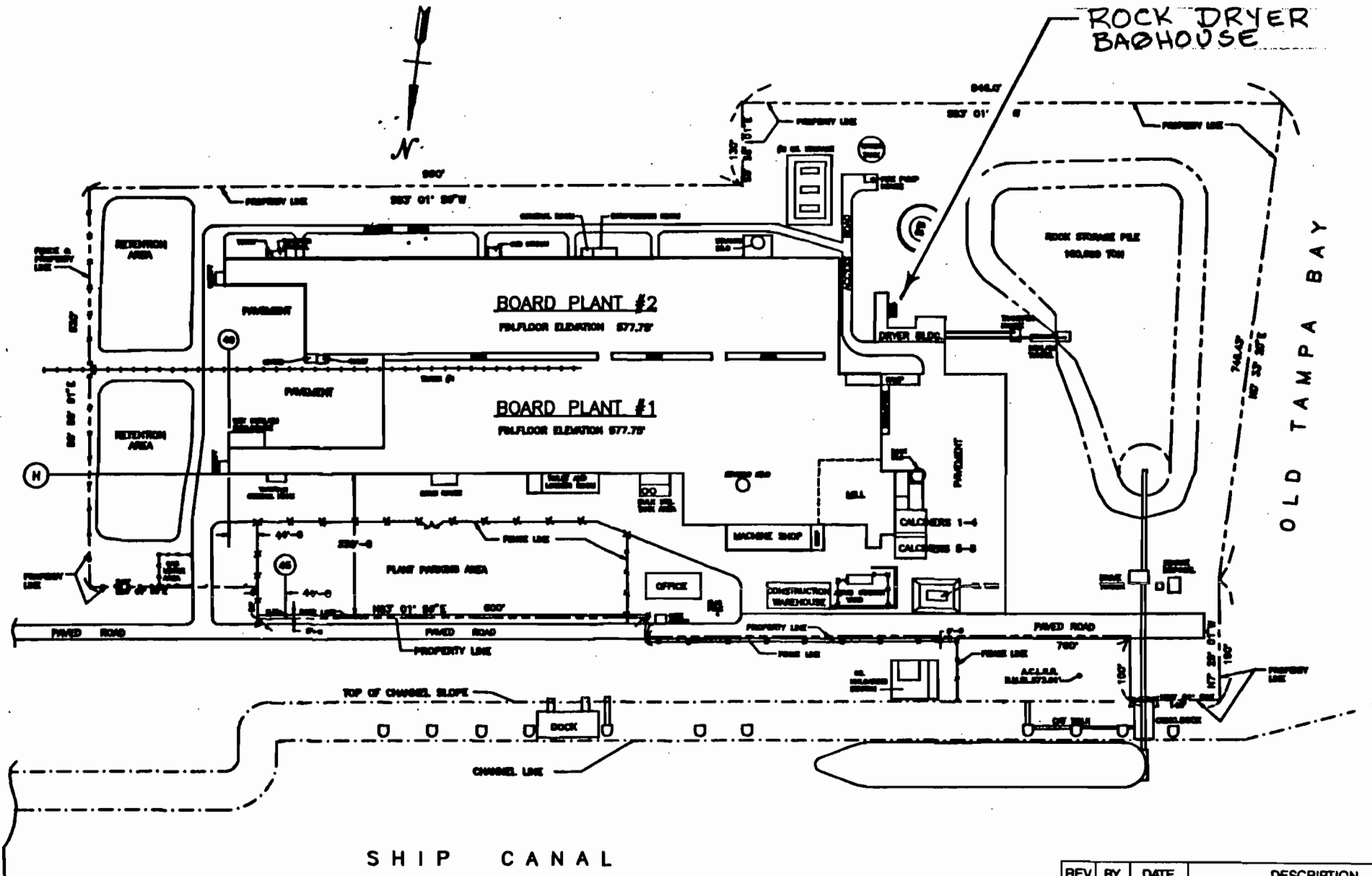
Grade 4 oil: 0.88 kg/10³ liter (7 lb/10³ gal)

^hReference 25.

ⁱUse 5 kg/10³ liters (42 lb/10³ gal) for tangentially fired boilers, 12.6 kg/10³ liters (105 lb/10³ gal) for vertical fired boilers, and 8.0 kg/10³ liters (67 lb/10³ gal) for all others, at full load and normal (>15%) excess air. Several combustion modifications can be employed for NO_x reduction: (1) limited excess air can reduce NO_x emissions 5-20%, (2) staged combustion 20-40%, (3) using low NO_x burners 20-50%, and (4) ammonia injection can reduce NO_x emissions 40-70% but may increase emissions of ammonia. Combinations of these modifications have been employed for further reductions in certain boilers. See Reference 23 for a discussion of these and other NO_x reducing techniques and their operational and environmental impacts.

^jNitrogen oxides emissions from residual oil combustion in industrial and commercial boilers are strongly related to fuel nitrogen content, estimated more accurately by the empirical relationship:

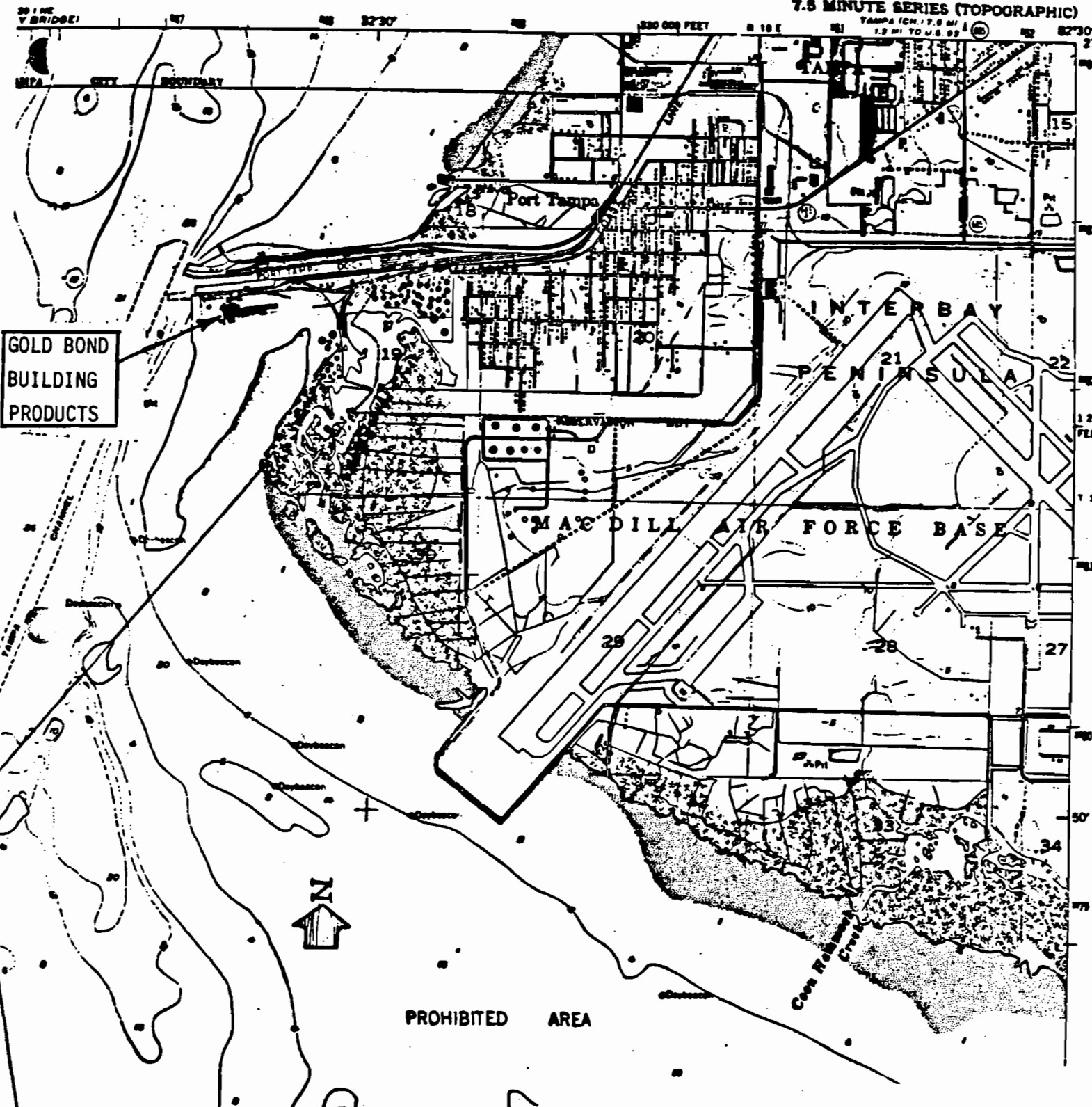
kg NO₂/10³ liters = 2.75 + 50(N)² [1b NO₂/10³ gal = 22 + 400(N)²] where N is the weight % of nitrogen in the oil. For residual oils having high (>0.5 weight %) nitrogen content, use 15 kg NO₂/10³ liter (120 lb NO₂/10³ gal) as an emission factor.



Gold Bond Building Products
 A National Gypsum Division
 2001 Rexford Road
 Charlotte, North Carolina 28211

REV	BY	DATE	DESCRIPTION
PLOT PLAN			
SCALE		—	DATE 8-25-88
DRAWN		DBC	TAMPA
CHECK			SK-082588-1
APPD.			
PROJ.			
			REV. 0

PORT TAMPA QUADRANGLE
FLORIDA
7.5 MINUTE SERIES (TOPOGRAPHIC)



GOLD BOND
BUILDING
PRODUCTS



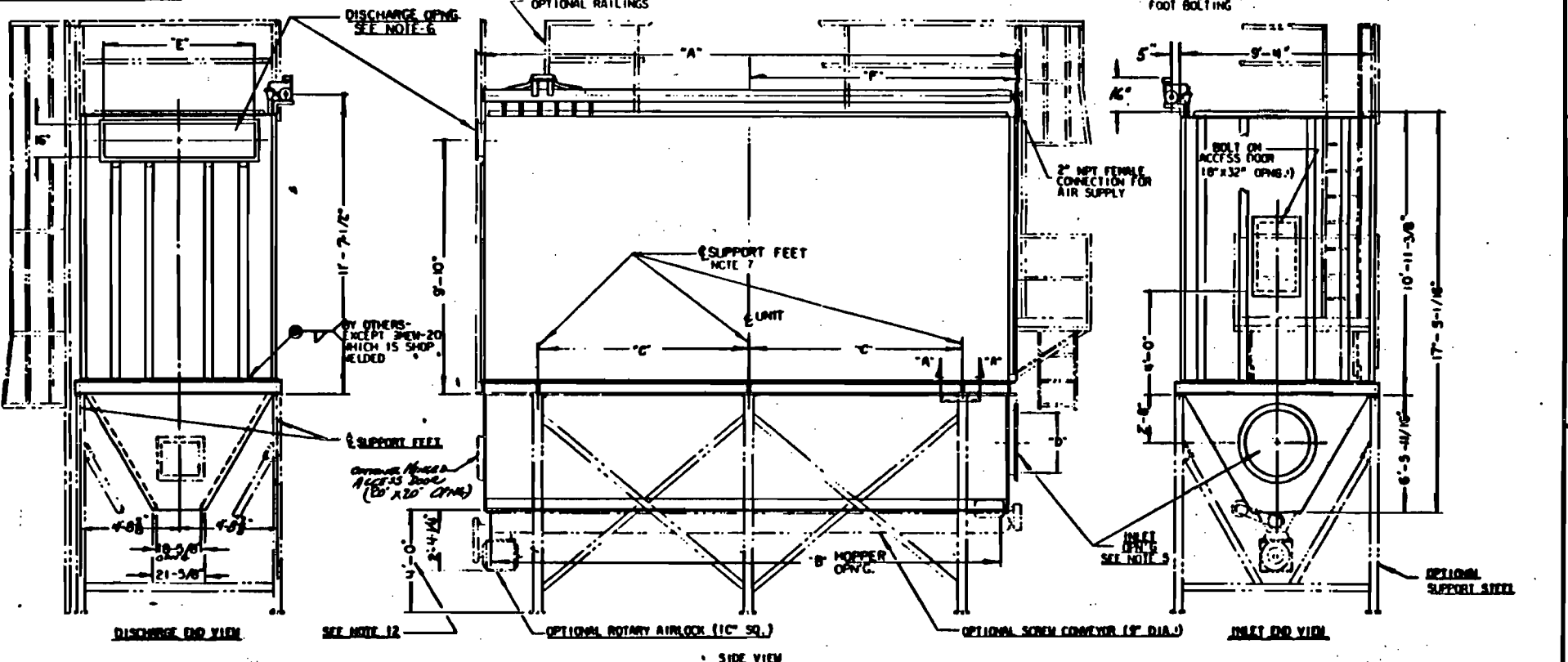
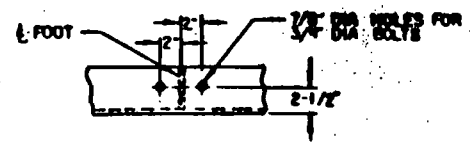
PROHIBITED AREA

REV	BY	DATE	DESCRIPTION
TOPOGRAPHICAL LOCATION			
SCALE		DATE 8-25-88	
DRAWN DBL		TAMPA	
CHECK		SK-082588-2	
APPD.			
PROJ.			
			REV. 0

Gold Bond Building Products
A National Gypsum Division
2001 Rarford Road
Charlotte, North Carolina 28211

TABULATION

MODEL NO.	NO. OF FILTERS	SQ. FT. OF FILTER AREA	APPROX. WEIGHT	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"
9HEW-20	120	1800	9,500#	10'-0-1/2"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/2"
9HEW-25	150	2250	11,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"
9HEW-30	180	2700	13,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"
9HEW-35	210	3150	15,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"
9HEW-40	240	3600	17,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"
9HEW-45	270	4050	19,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"
9HEW-50	300	4500	21,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"
9HEW-55	330	4950	23,500#	10'-0-1/4"	3'-0"	3'-0"	NOTE 6	NOTE 8	5'-0-1/8"



GENERAL NOTES:

1. THE RAY-JET STANDARD UNITS ARE CONSTRUCTED OF 12 GA. CASING AND ARE DESIGNED FOR MAXIMUM PRESSURES OF 217" H₂O.
2. ALL UNITS HAVE AN INTERNAL CATHODE RUNNING THE FULL LENGTH OF THE UNIT FOR THE PURPOSE OF INSTALLING AND SERVICING THE BAGS.
3. ALL ELECTRICAL CONTROLS ARE RATED FOR 115 VOLT, 60 CYCLE SUPPLY.
4. FIELD WELDING OF HOPPER TO HOUSING SPILT REQUIRED BY OTHERS.
5. INLET SIZES RANGE FROM 16" I.D. TO 96" I.D. IN 8" INCREMENTS.
6. DISCHARGE SIZES RANGE FROM 21-1/2" LG. TO 105-1/2" LG. IN 9" INCREMENTS.
7. ONLY 4 SUPPORT FEET ARE REQ'D. ON 9HEW-20 & 25, THEREFORE THE CENTER FEET ARE ELIMINATED.
8. TOP BAG REMOVAL AVAILABLE AS AN OPTIONAL EXTRA.
9. ACCESS PLATFORMS, RAILINGS AND LADDERS ARE AVAILABLE AS AN OPTIONAL EXTRA.
10. SCREW CONVEYOR & ROTARY AIRLOCK ARE AVAILABLE AS AN OPTIONAL EXTRA.
11. SOOP INSULATED PANELS ARE AVAILABLE AS AN OPTIONAL EXTRA.
12. SUPPORT STEEL IS AVAILABLE AS AN OPTIONAL EXTRA. STD. CLEARANCE IS 0'-0" BELOW HOPPER FLANGE. 0'-0-1/4" AND 0'-0-1/2" ARE ALSO AVAILABLE.

NOTE: THIS DRAWING NOT TO BE USED FOR CONSTRUCTION

MARK	DATE	ALY.	CRD.

APPROVED BY	RAY-JET FABRIC FILTER		PROCESS EQUIPMENT <small>AN IRVING-CLOUD COMPANY</small>	PROPOSAL DRAWING			
	Model / Area / Size / Type / Section			DRAWING NUMBER			
SUPERSEDED BY	9HEW-20-55		GROUP SIZE NUMBER QUANT				
	Dr. / Ch. / Fr. / Ck.		2200 C 803423				
DATE: 8-22-78			BY: SEE TAB SHEET OF				

REPORT

of

PARTICULATE EMISSION TESTING

on the

RAY JET DRYER EXHAUST

at

GOLD BOND BUILDING PRODUCTS

in

TAMPA, FLORIDA

on

JANUARY 7, 1986

TEST REPORT #4630

ANALYTICAL TESTING CONSULTANTS, INC.
506 Broad Street
Kannapolis, N. C.

Prepared by:
cc

Issue Date:
January 17, 1986

Distribution:
Mr. Gerry Moore
(4 copies)
Mr. Doug Collins

RECEIVED
JAN 20 1986
ENGINEERING

TABLE OF CONTENTS

Introduction

Source Description

Emission Test Summary

Results, Conclusions, and Comments

Sampling and Analytical Procedures

Calculations

Data Sheets

INTRODUCTION

This report presents the results of particulate emission testing performed on the Ray Jet Dryer exhaust at Gold Bond Building Products in Tampa, Florida. This was a repeat of testing performed on November 19, 1985 in which the exhaust exhibited emissions in excess of the permitted maximum allowable (ATC Report #4623).

The purpose of this test was to determine compliance with applicable emission rate codes of Hillsborough County and the state of Florida.

The test was conducted by ANALYTICAL TESTING CONSULTANTS, INC., Kannapolis, N. C. Members of the test team were Dan McCombs and Dan Fink.

SOURCE DESCRIPTION

The system tested was the exhaust of the Ray Jet rock dryer, which dries material prior to utilization in the manufacturing process. The exhaust from the dryer is passed through connecting ductwork, through a Flex-Kleen bag collector, and then through a 36" stack to the atmosphere.

The exhaust stack tested in November, 1985 had been replaced with a new stainless steel stack of similar dimensions.

The system was also checked internally for any malfunctions which may have caused the previously high emission concentration. At least one bag was found which appeared to have excessive wear, or possibly a small rip in the fabric. This was corrected and other maintenance was performed prior to testing.

TEST SUMMARY

PARAMETER	RUN 1	RUN 2	RUN 3	AVERAGE
DATE	1/7/86	1/7/86	1/7/86	
OS, FLOW ACFM	24191	23641	23153	23661.666666
Q STD DRY SCFM	16868	16445	16109	16474
VM STD, CU.FT	48.05	47.77	43.66	
%I	98.4	100.4	93.7	
FMR AVG, LB/HR	1.03	1.42	1.04	1.1633333333
CONC. GR/SCFD	.0072	.01	.0078	.008333333333
ALLOWABLE GR/SCFD				.02

RESULTS, CONCLUSIONS AND COMMENTS

A summary of some pertinent results appear in the preceding RESULTS SUMMARY. For additional information please consult the CALCULATIONS and DATA SHEETS sections of this report.

The corrective maintenance performed on the bag collector seems to have corrected the excessive emissions. It would be difficult to determine the possibly multiple reasons for the previously measured emission concentration. Even a small amount of corrosion products from the old stack wall would have had a large effect on the previous results, as would any bag defect, or seal malfunction.

SAMPLING AND ANALYTICAL PROCEDURES

Particulate testing and analysis were performed according to procedures developed by the U. S. Environmental Protection Agency (EPA) and referred to as Method 5. Sampling port locations and number of test points to be used were determined according to Method 1. The above federal test methods appear in the Code of Federal Regulations. (Reference 1).

Test point locations and sampling port placement for velocity traverses are shown in the data sheets. Test point locations were calculated based upon a 36" diameter stack.

REFERENCES

1. CODE OF FEDERAL REGULATIONS, Title 40, Part 60, Appendix A, p. 390-662, July 1, 1984.

CALCULATIONS

Particulate Emission Rate Calculation
Square Root of DP
Nomenclature
Calculation Formulae

EMISSION RATE CALCULATION

ENTRY/CALC.	RUN 1	RUN 2	RUN 3	AVERAGE
DATE	1/7/86	1/7/86	1/7/86	
AVG DH (IN H2O)	1.9	1.8	1.7	
P ATM (IN HG)	30.07	30.07	30.07	
PM (IN HG)	30.2097058823	30.2023529411	30.195	
PS (GUAGE)	.4	.4	.4	
PS (IN HG)	30.0994117647	30.0994117647	30.0994117647	
TM (DEG F)	74	84	90	
TM (DEG R)	534	544	550	
VM (FT3)	48.13	48.76	45.07	
VM STD (FT3)	48.0500047625	47.7724933847	43.6648764705	
VLO (ML)	192.8	192.4	185.7	
VV STD (FT3)	9.0842823529	9.0654352941	8.7497470588	
V STD (FT3)	57.1342871154	56.8379286788	52.4146235293	
%M	15.8998787095	15.9496229099	16.6933318788	16.1809444994
MD	.841001213	.840503771	.8330666813	
MWD	28.836	28.836	28.836	
M	27.113089144	27.1076988625	27.0271105585	
TS (DEG F)	183	184	178	
TS (DEG R)	643	644	638	641.666666666
SUM SORT DF	21.489	20.982	20.615	
N DF	24	24	24	
AVG SORT DF	.895375	.87425	.858958333333	
CF	.84	.84	.84	
VS (FT/SEC)	57.0670920609	55.7695373639	54.6194623925	55.81869727
DS (IN)	36	36	36	
AS (FT2)	7.065	7.065	7.065	
QS (FT3/MIN)	24190.740324	23640.706888	23153.190108	23661.545773
Q STD (FT3/MIN)	20056.586321	19565.353668	19337.375307	19653.105098
Q STD DRY (CFM)	16867.613424	16444.753538	16109.323072	16473.896678
WT (GM)	.0224	.0311	.022	
PMRC (LB/HR)	1.04032268	1.4163470854	1.0738103372	1.1768267008
DN (IN)	.25	.25	.25	
AN (IN2)	.0490625	.0490625	.0490625	
TIME (MIN)	60	60	60	
FMRA (LB/HR)	1.024192512	1.421981568	1.00590336	1.15069248
%I	98.449503379	100.39781792	93.6760734323	
FMR AVG (LB/HR)	1.032257596	1.4191643267	1.0398568486	1.1637595904
%CO2	0	0	0	
%O2	20.9	20.9	20.9	
%CO	0	0	0	
%N2	79.1	79.1	79.1	
CS GRAINS/SCF	.0071931730644	.010044964497	.0077742118480	.008337449803

COMMISSION
RODNEY COLSON
PAM IORIO
RUBIN E. PADGETT
JAN KAMINIS PLATT
HAVEN POE
JAMES D. SELVEY
PICKENS C. TALLEY II



ROGER P. STEWART
DIRECTOR
1900 - 9th AVE
TAMPA, FLORIDA 33605
TELEPHONE (813) 272-5960

RECEIVED

AUG 10 1988

DER-BAQM

August 8, 1988

Mr. Neil Padgett
Quality Control Supervisor
Gold Bond Building Products
Post Office Box 19307
Tampa, FL 33686

RE: Changes to Rock Dryer Permit No. A029-126064

Dear Mr. Padgett:

The staff of the Environmental Protection Commission of Hillsborough County has reviewed the enclosed letter of request.

The letters request that permit-stipulated limits on process rate, hours of operation, and annual PM emission rates be increased as follows:

<u>Parameter</u>	<u>Change from</u>	<u>Change to</u>
Process Rate	90 TPH	110 TPH
Hours of Operation	5824 hrs./yr.	8736 hrs./yr.
Annual PM limit	10.5 TPY	15.7 TPY

Our review shows that the current limits above are stipulated in a federally enforceable construction permit issued in Tallahassee. This means that the construction permit must be modified first before we can change the limit in the operating permit. To modify the permit, you must submit a completed construction permit application to the Bureau of Air Quality Management in Tallahassee and a copy to EPCHC. Review fees are \$100.00 for Florida Department of Environmental Regulation and \$365.00 for Hillsborough County Board of County Commissioners.

Mr. Neil Padgett
Gold Bond Building Products
Page 2

We apologize for the delay in the response. Please call me if you have any questions.

Sincerely,

Victor San Agustin

Victor San Agustin, P.E.
Senior Air Permitting Engineer

bb

cc: R.G. Moore, Gold Bond
Bill Thomas, BAQM
Bill Thomas, SWFDER

NOT YET. Co. may submit application for change,
it needs to be assigned and processed in the
normal fashion.

wml
8/16/88

Willard

*Should someone
follow thru w/ this?*

Patty



VSA Bobby We

RECEIVED

JAN 14 1987

U.C.P.C.

January 9, 1987

Mr. Henry R. Lue
Air Permitting Engineer
Hillsborough County Environmental
Protection Commission
1900 9th Avenue
Tampa, FL 33605

Dear Mr. Lue:

The Rock Dryer permit A029-126064 Point ID #36 was issued with a maximum of operating hours of 5824 hr./yr. as stated in Specific Condition #2.

Gold Bond Building Products requests an amendment to this permit to increase operating hours to 8,736 hrs./year.

Specific Condition #1 would remain at 0.02 gr./dscf, up to 3.6 lb./hr., but would increase the 10.5 TPY to 15.7 TPY.

If you require any additional information, please contact me at 813-839-2111.

Sincerely,

Neil A. Padgett

Neil A. Padgett
Quality Control Supvr.

30
RECEIVED

MAY 20 1987

E.P.C. of H.C.



May 19, 1987

Mr. Henry R. Lue
Air Permitting Engineer
Hillsborough County Environmental
Protection Commission
1900 9th Avenue
Tampa, FL 33605

all files were transferred

Dear Mr. Lue:

Gold Bond Building Products, Tampa Plant, being in a program of modernization of equipment and process control, anticipates increased production of both board lines requiring additional material handling rates.

Pursuant to our phone conversation of 1-27-87, I am requesting amendments to the following source permits:

Point ID#	Permit No.	Present Rate	Tons/Hr.	Requested Rate
03	A029-75464	90		110
05	A029-75462	90		110
06	A029-75460	90		110
07	A029-75461	93		110
13	A029-86799	72		110
26	A029-66239	32		80
19	A021-86803	24.5		40
14	A029-75459	31		40
25	A029-51519	25		40
37	A029-66238	26		40
10	A029-86797	24.5		40
11	A029-86796	24.5		40
12	A029-86798	24.5		40
16	A029-90454	24.5		40
32	A029-66278	30		40
33	A029-77962	30		40
39	A029-77961	26		40
40	A029-66250	26		40
41	A029-81041	26		40
42	A029-81040	33		40
35	A029-66253	33		40
43	A029-90457	24.5		40
44	A029-90458	24.5		40
49	A029-11239	32		40
47	A029-75467	34.6		70
34	A029-66251	34.6		90

RECEIVED

MAY 20 1987

E.P.C. of H.C.

Page two
Mr. Henry R. Lue
May 19, 1987

Point ID#	Permit No.	Present Rate	Tons/Hr.	Requested Rate
36	A029-126064	90		110
38	A029-100949	2.49		40
48	A029-100948	33		40
27	A029-66241	2.5		40

If any additional information is required, please contact me
at 839-2111.

Sincerely,

Neil A. Padgett

Neil A. Padgett
Quality Control Supvr.

NAP:11