

Check Sheet

Company Name: *Chemical Lime Inc*  
Permit Number: *AC 27-82796, 97*  
PSD Number:  
County: *Hernando*  
Permit Engineer:  
Others involved:

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- 2 Unsigned Permit

Attachments:

- 
- 
- 
- Correspondence with:
  - EPA
  - Park Services
  - County
  - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)

Final Determination:

- Final Determination
- 2 Signed Permit
- BACT Determination

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services

No. 0155784

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

SENT TO		
Mr. G. A. Skip Haskell		
STREET AND NO.		
P.O., STATE AND ZIP CODE		
POSTAGE	\$	
CONSULT POSTMASTER FOR FEES. OPTIONAL SERVICES RETURN RECEIPT SERVICE	CERTIFIED FEE	¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	SHOW TO WHOM AND DATE DELIVERED	¢
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$	
POSTMARK OR DATE		
11/3/84		

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1979

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)  
 Show to whom and date delivered..... ¢  
 Show to whom, date and address of delivery... ¢  
 RESTRICTED DELIVERY  
 Show to whom and date delivered..... ¢  
 RESTRICTED DELIVERY.  
 Show to whom, date, and address of delivery..\$ \_\_\_\_  
 (CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:  
 Mr. G. A. Skip Haskell  
 P. O. Box 967  
 Brooksville, FL 33512

3. ARTICLE DESCRIPTION:  
 REGISTERED NO. | CERTIFIED NO. | INSURED NO.  
 | 0155784 |  
 (Always obtain signature of addressee or agent)

I have received the article described above.  
 SIGNATURE  Addressee  Authorized agent  
*Dennis W. Kiser*

4. DATE OF DELIVERY | POSTMARK  
 | BROOKSVILLE FL 33512  
 | NOV 3 1984  
 | REC  
 | U.S. PS  
 |

5. ADDRESS (Complete only if requested):

6. UNABLE TO DELIVER BECAUSE: | CLERK'S INITIALS

DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

November 26, 1984

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. G. A. Skip Haskell  
Manager Industrial Relations  
Chemical Lime, Inc.  
Post Office Box 967  
Brooksville, Florida 33512

Dear Mr. Haskell:

Modification of Conditions  
Permit Nos. AC 27-82796 and AC 27-82797

The department is in receipt of Mr. Stephen L. Neck's letter, dated October 12, 1984, that requested the expiration dates of the referenced construction permits be extended 90 days. The request is acceptable and the expiration date of each permit is changed as noted below:

Expiration Date


FROM: February 1, 1985  
TO: May 1, 1985

Attachments to be Incorporated

Mr. Stephen L. Neck's letter dated October 12, 1984.

A copy of this letter must be attached to each of the referenced construction permits and shall become a part of those permits.

Sincerely,

  
Victoria J. Tschinkel  
Secretary

VJT/agh

Attached: letter dated October 12, 1984

cc: Bill Thomas, Southwest District  
Stephen L. Neck, Air Consulting and Engineering

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
INTEROFFICE MEMORANDUM

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

DER  
NOV 28 1984  
BAQM

TO: Victoria J. Tschinkel  
FROM: Clair Fancy *Clair Jancy*  
DATE: November 19, 1984  
SUBJECT: Modification of Air Construction Permit  
Nos. AC 27-82796 and AC 27-82797

Attached is a letter drafted for your signature that will extend the expiration dates on two Permits to Construct Air Pollution Sources, AC 27-82796 and AC 27-82797, that were issued to Chemical Lime, Inc. of Brooksville, Hernando County, Florida.


The bureau recommends that the extensions be approved.

CHF/WH/agh

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

**INTEROFFICE MEMORANDUM**

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

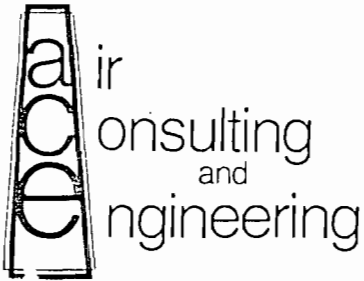
TO: Clair Fancy  
FROM: Bill Thomas   
DATE: October 22, 1984  
SUBJECT: Chemical Lime Permit Nos. AC27-82796 & 82797

A.C.E., on behalf of Chemical Lime, has requested an extension of the above subject permits; letter attached, dated 10/12/84. They are not specific in the additional time required, but about three (3) months is implied.

I recommend that the permit extensions be granted.

BT/rw

Attachment



D. E. R.

OCT 17 1984

SOUTH WEST DISTRICT  
TAMPA

October 12, 1984

Mr. Bill Thomas  
Florida Department of Environmental Regulation  
7601 Highway 301 North  
Tampa, Florida 33610

Dear Mr. Thomas:

At the request of Chemical Lime, Inc., I (as engineer of record) would like to apply for an extension of the expiration dates of Construction Permit Numbers AC27-82796 and AC27-82797. Although we will be filing for operating permits for both systems before the present expiration dates, construction and start-up delays have resulted in a time frame that will not allow for such submittal 90 days prior to expiration.

If you have any questions regarding this matter, please contact me.

Respectfully,

AIR CONSULTING AND ENGINEERING

Stephen L. Neck, P.E.

SLN:sa

cc: Mr. Fred Crabill, Florida Crushed Stone


No. 0156524

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		Mr. G. A. Haskell	
STREET AND NO.			
P.O., STATE AND ZIP CODE			
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢	
	SPECIAL DELIVERY	¢	
	RESTRICTED DELIVERY	¢	
	OPTIONAL SERVICES RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		¢	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE			
7/3/84			

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1979 RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL	*SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.								
	1. The following service is requested (check one.) <input checked="" type="checkbox"/> Show to whom and date delivered..... ¢ <input type="checkbox"/> Show to whom, date and address of delivery..... ¢ <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered..... ¢ <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery. \$ ____  (CONSULT POSTMASTER FOR FEES)								
	2. ARTICLE ADDRESSED TO: Mr. G. A. Haskell P. O. Box 967 Brooksville, FL 33512								
	3. ARTICLE DESCRIPTION: <table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">REGISTERED NO.</td> <td style="width: 33%;">CERTIFIED NO.</td> <td style="width: 33%;">INSURED NO.</td> </tr> <tr> <td></td> <td style="text-align: center;">0156524</td> <td></td> </tr> </table> (Always obtain signature of addressee or agent)			REGISTERED NO.	CERTIFIED NO.	INSURED NO.		0156524	
	REGISTERED NO.	CERTIFIED NO.	INSURED NO.						
		0156524							
	I have received the article described above. SIGNATURE <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent								
	4. DATE OF DELIVERY								
	5. ADDRESS (Complete only if requested)								
	6. UNABLE TO DELIVER BECAUSE:		CLERK'S INITIALS						
		b							

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

June 26, 1984

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. G. A. Skip Haskell  
Manager Industrial Relations  
Chemical Lime, Inc.  
Post Office Box 967  
Brooksville, Florida 33512

Dear Mr. Haskell:

Enclosed are Permit Numbers AC 27-82796 and AC 27-82797, dated June 21, 1984, to the Chemical Lime, Inc., issued pursuant to Section 403, Florida Statutes.

Acceptance of these permits constitutes notice and agreement that the department will periodically review these permits for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the conditions and requirements thereof.

Sincerely,

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

CHF/pa

Enclosure

cc: Stephen L. Neck, P.E., Environmental Science and  
Engineering  
Dan Williams, DER Southwest District



Final Determination

Chemical Lime, Inc.  
Load Out Baghouse No. 3  
Brooksville, Hernando County

Permit Number

AC 27-82796

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

June 20, 1984

Final Determination  
Chemical Lime, Inc.  
AC 27-82796

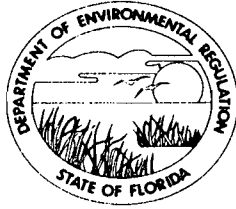
Chemical Lime's permit application for the installation of three loading spouts and a Seneca 25 IM Baghouse at the company's existing plant site in Brooksville has been reviewed by the Bureau of Air Quality Management. Public notice of the department's intent to issue was published in The Sun-Journal on May 12 and 19, 1984. Copies of the preliminary determination were available for public inspection at DER's Southwest District in Tampa and the Bureau of Air Quality Management in Tallahassee.

There were no letters of response as a result of the public notice period.

The final action of the department will be to issue the permit (AC 27-82796) as noticed in the review process.

DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Florida 33512

Permit Number: AC 27-82796  
Expiration Date: February 1, 1985  
County: Hernando  
Latitude/Longitude: 82° 28' 58" N/  
28° 36' 47" W  
Project: Load Out Baghouse No. 3

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

For the installation of a Seneca 25 IM Baghouse and three loading spouts for load out bins Nos. 3, 4, and 5 at Chemical Lime's existing site in Brooksville, Hernando County, Florida.

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

Attachments:

1. Application to construct Air Pollution Sources, DER Form 17-1.122(16), received on February 21, 1984.
2. Letter from ESE, received on April 4, 1984.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Fl 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

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:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

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

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

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

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

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

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

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

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

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

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

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

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

13. This permit also constitutes:

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

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

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

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. The maximum allowable hours for the loading of trucks are 6 hours per day, 7 days per week, 52 weeks per year.
2. The allowable particulate emission rate from the Seneca baghouse is 1.8 pounds per hour.
3. The visible emissions from the Seneca baghouse shall not be greater than 5 percent opacity by DER Method 9. If the opacity is greater than 5 percent, compliance with the requirement of specific conditions #2 shall be demonstrated by testing in accordance with DER Method 5.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

SPECIFIC CONDITIONS:

4. The visible emissions during tanker truck loading around the outlets of loading spouts shall not be greater than 10 percent opacity by DER Method 9.
5. The compliance tests shall be conducted within 10 percent of maximum process rates of 100,000 pounds per hour per loading spout. Each test shall be at least 30 minutes in duration.
6. A complete operation and maintenance plan shall be submitted to the Southwest District with the certificate of completion of construction as required by Rule 17-2.650(2)(g), FAC.
7. Reasonable precautions to prevent fugitive particulate emissions during construction shall be taken by the permittee.
8. The permittee shall demonstrate compliance with the conditions of this construction permit and submit a complete application for an operating permit to the Southwest District prior to 90 days before the expiration date of this permit. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration or until issuance of an operating permit.

Issued this 21 day of June 1984

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

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

\_\_\_ pages attached.



Final Determination

Chemical Lime, Inc.  
Load Out Baghouse No. 2  
Brooksville, Hernando County

Permit Number

AC 27-82797

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

June 20, 1984

Final Determination  
Chemical Lime, Inc.  
AC 27-82797

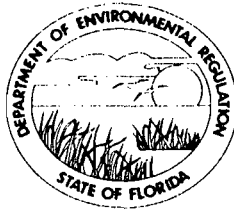
Chemical Lime's permit application for the installation of a Seneca 16 IM Baghouse at the company's existing plant site in Brooksville has been reviewed by the Bureau of Air Quality Management. Public notice of the department's intent to issue was published in The Sun-Journal on May 12 and 19, 1984. Copies of the preliminary determination were available for public inspection at DER's Southwest District in Tampa and the Bureau of Air Quality Management in Tallahassee.

There were no letters of response as a result of the public notice period.

The final action of the department will be to issue the permit (AC 27-82797) as noticed in the review process.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Florida 33512

Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984  
County: Hernando  
Latitude/Longitude: 82° 28' 58" N/  
28° 36' 47" W  
Project: Load Out Baghouse No. 2

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

For the installation of a Seneca 16 IM Baghouse and to be  
retrofitted to the existing lime handling system at Chemical Lime's  
existing site in Brooksville, Hernando County, Florida.

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

Attachment:

1. Application to construct Air Pollution Sources, DER Form  
17-1.122(16), received on February 21, 1984.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Fl 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

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:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

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:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

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

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

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

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

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

13. This permit also constitutes:

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

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

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

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. The maximum allowable hours are 24 hours per day, 7 days per week, 52 weeks per year or 8760 hours per year.
2. The allowable particulate emission rate from the Seneca baghouse is 0.002 pound per hour.
3. The visible emissions from the Seneca baghouse shall not be greater than 5 percent opacity by DER Method 9. If the opacity is greater than 5 percent, compliance with the requirement of specific conditions #2 shall be demonstrated by testing in accordance with DER Method 5.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

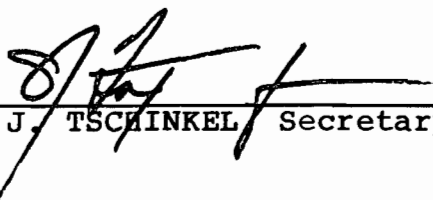
I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

SPECIFIC CONDITIONS:

4. The compliance tests shall be conducted within 10 percent of maximum process rate of 2,083 pounds per hour. Each test shall be at least 30 minutes in duration.
5. A complete operation and maintenance plan shall be submitted to the Southwest District with the certificate of completion of construction as required by Rule 17-2.650(2)(g), FAC.
6. Reasonable precautions to prevent fugitive particulate emissions during construction shall be taken by the permittee.
7. The permittee shall demonstrate compliance with the conditions of this construction permit and submit a complete application for an operating permit to the Southwest District prior to 90 days before the expiration date of this permit. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration or until issuance of an operating permit.

Issued this 21 day of June, 1984

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

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

\_\_\_ pages attached.



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

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

TO: Victoria J. Tschinkel *J*  
FROM: Clair Fancy *Clair Fancy*  
DATE: June 20, 1984  
SUBJ: Approval of Attached Air Construction Permits

Attached for your approval and signature are two Air Construction Permits for which the applicant is Chemical Lime, Inc. The construction proposed is for the installation of two Seneca baghouses and three loading spouts at the company's existing facility in Brooksville, Hernando County, Florida.

Day 90, after which the permits would be issued by default, is June 24, 1984.

The Bureau recommends your approval and signature.

CF/pa

Attachment

DER

JUN 22 1984

BAQM

RECEIVED

JUN 21 1984

Office of the Secretary

*Final Determination*  
~~Preliminary Determination~~  
~~and~~  
~~Technical Evaluation~~

Chemical Lime, Inc.  
Load Out Baghouse No. 2  
Brooksville, Hernando County

Permit Number

AC 27-82797

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

*June 20*  
~~April 13, 1984~~

Final Determination  
Chemical Lime, Inc.  
AC 27-82797

Chemical Lime's permit application for the installation of a Semeca 16 IM Baghouse at the company's existing plant site in Brooksville has been reviewed by the Bureau of Air Quality Management. Public notice of the department's intent to issue was published in *The Sun-Journal* on May 12 and 19, 1984. Copies of the preliminary determination were available for public inspection at DER's Southwest District in Tampa and the Bureau of Air Quality Management in Tallahassee.

There were no letters of response as a result of the public notice period.

The final action of the department will be to issue the permit (AC 27-82797) as noticed in the review process.

AFFIDAVIT OF LEGAL PUBLICATION

STATE OF FLORIDA  
COUNTY OF HERNANDO

On this day personally appeared before me Raymond K. Mooney, to me well-known, who by me being first duly sworn, deposes and says that he is the General Manager of the Sun-Journal, published in the City of Brooksville, the County of Hernando, and the State of Florida; that said newspaper has been continuously published in Hernando County, Florida, at least once a week and also has been entered as second-class matter at the Post Office in the City of Brooksville, Hernando County, Florida, for a period of one year next preceding the first insertion of the attached legal notice of process; that said newspaper has been published in accordance with Chapter 14830, General Laws of Florida, and all provisions of said Statute have been complied with; that the attached legal notice of process was published in said newspaper once each week for a period of

TWO

week, to wit: in the

issues of said newspaper on

May 12 + 19, 1984

Raymond K. Mooney

Raymond K. Mooney, General Manager, The Sun-Journal

Sworn to and subscribed before me this 19<sup>th</sup> day of

May 1984 A. D.  
NOTARY PUBLIC STATE OF FLORIDA  
MY COMMISSION EXPIRES AUG 6 1986  
BONDED THRU GENERAL INS. UNDERWRITERS

BY: Zaida Schlankow  
Notary Public

Filed . . 19 . . , at . . O'clock . . M. and Recorded in . . Book No . .  
Page . . . . .

Record Verified . . . . .

Clerk, . . . . . Court, Hernando County, Fla.

By . . . . . D.C.

DER

MAY 23 1984

BAQM

NOTICE OF PROPOSED  
AGENCY ACTION

The Department of Environmental Regulation gives notice of its intent to issue permits to Chemical Lime, Inc. for the installation of dust control systems of the company's existing facility in Brooksville, Hernando County, Florida. A determination of best available control technology (BACT) was not required.

A person who is substantially affected by the department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes, and Chapters 17-1 and 28-3, Florida Administrative Code. The request for hearing must be filed (received) in the Office of General Counsel of the department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

The applications, technical evaluations and department intent are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the following locations:

- DER Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32301
- DER Southwest District  
7601 Highway 301 North  
Tampa, Florida 33610

Comments on this action shall be submitted in writing to Bill Thomas of Tallahassee office within thirty (30) days of this notice.

PUBLISH: May 12, 1984

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

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

TO: Bill Thomas  
FROM: Bill Thomas *WCT*  
DATE: May 11, 1984  
SUBJECT: Technical Evaluation  
Chemical Lime, Inc.  
AC27-82796 & AC27-82797

Attached are District comments on the above subject project.

WCT/scm

Attachment: as stated

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

*Bill Jones*

Initial

Date

2.

*DER. Jally*

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

DER  
MAY 16 1984  
BAQM

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

FROM:

*Bill Jones (scr)*

DATE

*5-16-84*

PHONE

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

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

TO: BILL THOMAS  
FROM: GEORGE W. RICHARDSON *GR*  
DATE: MAY 9, 1984  
SUBJECT: COMMENTS ON PROPOSED PERMITS TO CHEMICAL LIME

AC27-82796

- ✓ 1. Specific condition #3 Test method should be EPA method #5 not DER method #5.
- ✓ 2. Specific condition #6 does not apply. This source is in a attainment area for particulates and RACT should not apply.
3. Attachment A states the baghouse will be exhausted within the Hydration plant building. If this is true it should be changed to exhaust to the outside.
4. A condition should be added that the loading spouts should be in the down position at all times during loading to minimize fugitive emissions.

AC27-82797

1. Same as number 1 above.
2. Specific condition #5 does not apply. This source is in a attainment area for particulates and RACT should not apply.
3. The description should be written to identify the specific emissions this baghouse will control (ie- controls emissions from the Dryer baghouse fines storage silo).



No. 0157494  
 RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

SENT TO		Mr. G. A. Skip Haskell	
STREET AND NO.			
P.O., STATE AND ZIP CODE			
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢	
	SPECIAL DELIVERY	¢	
	RESTRICTED DELIVERY	¢	
	OPTIONAL SERVICES	RETURN RECEIPT SERVICE	¢
		SHOW TO WHOM AND DATE DELIVERED	¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		¢	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢		
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		4/20/84	

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1979

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)  
 Show to whom and date delivered..... ¢  
 Show to whom, date and address of delivery..... ¢  
 RESTRICTED DELIVERY  
 Show to whom and date delivered..... ¢  
 RESTRICTED DELIVERY.  
 Show to whom, date, and address of delivery. \$ \_\_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:  
 Mr. G. A. Skip Haskell  
 Post Office Box 967  
 Brooksville, Florida 33512

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	0157494	

(Always obtain signature of addressee or agent)

I have received the article described above.  
 SIGNATURE  Addressee  Authorized agent

4. DATE OF DELIVERY: 4/23/84

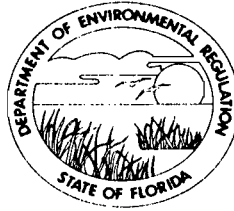
5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

POSTMARK: BROOKSVILLE, FLA APR 23 1984  
 CLERK'S INITIALS

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

April 19, 1984

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. G. A. Skip Haskell  
Manager Industrial Relations  
Chemical Lime, Inc.  
Post Office Box 967  
Brooksville, Florida 33512

Dear Mr. Haskell:

Attached is one copy each of the Technical Evaluation and Preliminary Determination, and proposed permits for the construction of load out baghouse No. 2 and load out baghouse No. 3 at your existing facility in Brooksville, Hernando County, Florida.

Before final action can be taken on your proposed permits, you are required by Florida Administrative Code Rule 17-1.62(3) to publish the attached Notice of Proposed Agency Action in the legal advertising section of a newspaper of general circulation in Hernando County no later than fourteen days after receipt of this letter. The department must be provided with proof of publication within seven days of the date the notice is published. Failure to publish the notice may be grounds for denial of the permits.

The Preliminary Determinations and proposed permits constitute a proposed action of the department and are subject to administrative hearing under the provisions of Chapter 120, Florida Statutes, if requested within fourteen days from receipt of this letter. Any petition for hearing must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed with the Office of General Counsel, Florida Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to file a request for hearing within fourteen days shall constitute a waiver of your right to a hearing. Filing is deemed complete upon receipt by the Office of General Counsel.

Mr. G. A. Skip Haskell  
April 19, 1984  
Page Two

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

Sincerely,



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

CHF/BK/pa

Attachments

cc: Stephen L. Neck, P.E., Environmental Science and  
Engineering  
Dan Williams, DER Southwest District

## NOTICE OF PROPOSED AGENCY ACTION

The Department of Environmental Regulation gives notice of its intent to issue permits to Chemical Lime, Inc. for the installation of dust control systems at the company's existing facility in Brooksville, Hernando County, Florida. A determination of best available control technology (BACT) was not required.

A person who is substantially affected by the department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes, and Chapters 17-1 and 28-5, Florida Administrative Code. The request for hearing must be filed (received) in the Office of General Counsel of the department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

The applications, technical evaluations and department intent are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the following locations:

DER Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32301

DER Southwest District  
7601 Highway 301 North  
Tampa, Florida 33610

Comments on this action shall be submitted in writing to Bill Thomas of Tallahassee office within thirty (30) days of this notice.

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.

Preliminary Determination  
and  
Technical Evaluation

Chemical Lime, Inc.  
Load Out Baghouse No. 3  
Brooksville, Hernando County

Permit Number

AC 27-82796

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

April 13, 1984

## I. APPLICANT AND SOURCE LOCATION

### A. Applicant

Chemical Lime, Inc.  
P. O. Box 967  
Brooksville, Florida 33512

### B. Source Location

The proposed modification will occur at the company's existing plant site located in Brooksville, Hernando County, Florida. The UTM coordinates are: Zone 17-735.9 km east and 3162.3 km north.

## II. PROJECT DESCRIPTION

The company proposes a dust control system for load out bins Numbers 3 (cyclone kiln dust), 4 (pulverized quick lime) and 5 (hydrated lime). The new system consists of three loading spouts, one for each existing silo, and a baghouse. During load out operations, negative pressure will be created inside the loading spout to capture particulate matter (PM) emissions. The dust laden air will be exhausted through a Seneca Model 25 IM baghouse with 25 six-foot filters. The collected dust will be bagged and sold as product.

## III. EMISSIONS AND CONTROLS

The proposed dust control system can reduce dust emissions from 250 tons per year to 25 tons per year.

There are two collection efficiencies associated with this dust control system, one is for the material loading spout and the other is for the baghouse. The negative pressure inside the loading spout is expected to provide a 99% collection efficiency. The PM emissions from each loading spout are estimated at 0.6 pound per hour. The baghouse servicing the loading spouts has an estimated 99% collection efficiency. The PM emissions from the baghouse are approximately 1.74 pounds per hour. Therefore, the total PM emissions expected from the new dust control system and a loading spout will be 2.3 pounds per hour.

## IV. RULE APPLICABILITY

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

The existing facility, at which the proposed loading spouts and baghouse system are to be installed, is a major facility located in an attainment area for PM. This type of facility is on the list contained in Table 500-1, Major Facility Categories,

which would require new source review (NSR) of any pollutant in which the potential emissions plus fugitive emissions would result in a significant net emissions increase (as set forth in FAC Rule 17-2.500(2)(e)2.). Since the construction/installation of the three loading spouts and the baghouse system will not result in a significant net emissions increase for PM, then the modification would be exempt from NSR in accordance with FAC Rule 17-2.500(2)(d)4.a.(ii).

Since there is no specific source emission limiting standard for the proposed modification contained in FAC Rule 17-2.600, the applicant proposed emission limits, which are acceptable by the bureau and reflected in the specific conditions in the draft construction permit.

#### V. CONCLUSION

Based on an evaluation of the application, the bureau believes that compliance with related state air regulations will be achieved provided certain specific conditions are met, as set forth in the attached draft state permit (AC 27-82796).



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Florida 33512

Permit Number: AC 27-82796  
Expiration Date: February 1, 1985  
County: Hernando  
Latitude/Longitude: 82° 28' 58" N/  
28° 36' 47" W  
Project: Load Out Baghouse No. 3

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

For the installation of a Seneca 25 IM Baghouse and three loading spouts for load out bins Nos. 3, 4, and 5 at Chemical Lime's existing site in Brooksville, Hernando County, Florida.

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

Attachments:

1. Application to construct Air Pollution Sources, DER Form 17-1.122(16), received on February 21, 1984.
2. Letter from ESE, received on April 4, 1984.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Fl 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

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:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

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

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

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

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

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

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

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

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

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

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

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

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

13. This permit also constitutes:

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

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

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

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. The maximum allowable hours for the loading of trucks are 6 hours per day, 7 days per week, 52 weeks per year.
2. The allowable particulate emission rate from the Seneca baghouse is 1.8 pounds per hour.
3. The visible emissions from the Seneca baghouse shall not be greater than 5 percent opacity by DER Method 9. If the opacity is greater than 5 percent, compliance with the requirement of specific conditions #2 shall be demonstrated by testing in accordance with DER Method 5.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82796  
Expiration Date: Feb. 1, 1985

**SPECIFIC CONDITIONS:**

4. The visible emissions during tanker truck loading around the outlets of loading spouts shall not be greater than 10 percent opacity by DER Method 9.
5. The compliance tests shall be conducted within 10 percent of maximum process rates of 100,000 pounds per hour per loading spout. Each test shall be at least 30 minutes in duration.
6. A complete operation and maintenance plan shall be submitted to the Southwest District with the certificate of completion of construction as required by Rule 17-2.650(2)(g), FAC.
7. Reasonable precautions to prevent fugitive particulate emissions during construction shall be taken by the permittee.
8. The permittee shall demonstrate compliance with the conditions of this construction permit and submit a complete application for an operating permit to the Southwest District prior to 90 days before the expiration date of this permit. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration or until issuance of an operating permit.

Issued this \_\_\_\_ day of \_\_\_\_\_, 1984

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

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

\_\_\_\_ pages attached.

Preliminary Determination  
and  
Technical Evaluation

Chemical Lime, Inc.  
Load Out Baghouse No. 2  
Brooksville, Hernando County

Permit Number

AC 27-82797

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

April 13, 1984

## I. APPLICANT AND SOURCE LOCATION

### A. Applicant

Chemical Lime, Inc.  
P. O. Box 967  
Brooksville, Florida 33512

### B. Source Location

The proposed modification will occur at the company's existing plant site located in Brooksville, Hernando County, Florida. The UTM coordinates are: Zone 17-735.9 km east and 3162.3 km north.

## II. PROJECT DESCRIPTION

For improving the existing lime handling system from the dryer to the storage silo, the company proposes to retrofit a baghouse system to control lime dust emissions.

## III. EMISSIONS AND CONTROLS

The company proposes to use a baghouse for decreasing particulate matter (PM) emissions from 0.7 ton per year to 0.007 ton per year. The dust collector is a Seneca 16 IM Baghouse with an expected 99 percent control efficiency.

## IV. RULE APPLICABILITY

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

The existing facility, at which the proposed baghouse system is to be installed, is a major facility located in an attainment area for PM. This type of facility is on the list contained in Table 500-1, Major Facility Categories, which would require new source review (NSR) of any pollutant in which the potential emissions plus fugitive emissions would result in a significant net emissions increase (as set forth in FAC Rule 17-2.500(2)(e)2.). Since the total PM emissions from the proposed construction will not result in a significant net emissions increase for PM, then the modification would be exempt from NSR in accordance with FAC Rule 17-2.500(2)(d)4.a.(ii). Therefore, the proposed construction shall be permitted in accordance with FAC Rule 17-2.610(3), Unconfined Emissions of Particulate Matter. The applicant proposed emission limits for PM and visible emissions, which are acceptable by the bureau and reflected in the specific conditions in the draft construction permit.

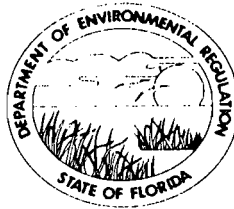


V. CONCLUSION

Based on an evaluation of the application, the bureau believes that compliance with related state air regulations will be achieved provided certain specific conditions are met, as set forth in the attached draft state permit (AC 27-82797).

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Florida 33512

Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984  
County: Hernando  
Latitude/Longitude: 82° 28' 58" N/  
28° 36' 47" W  
Project: Load Out Baghouse No. 2

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

For the installation of a Seneca 16 IM Baghouse and to be retrofitted to the existing lime handling system at Chemical Lime's existing site in Brooksville, Hernando County, Florida.

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

Attachment:

1. Application to construct Air Pollution Sources, DER Form 17-1.122(16), received on February 21, 1984.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, Fl 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

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:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

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:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512  
GENERAL CONDITIONS:

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

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

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

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

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

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

13. This permit also constitutes:

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

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

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

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. The maximum allowable hours are 24 hours per day, 7 days per week, 52 weeks per year or 8760 hours per year.
2. The allowable particulate emission rate from the Seneca baghouse is 0.002 pound per hour.
3. The visible emissions from the Seneca baghouse shall not be greater than 5 percent opacity by DER Method 9. If the opacity is greater than 5 percent, compliance with the requirement of specific conditions #2 shall be demonstrated by testing in accordance with DER Method 5.

PERMITTEE:  
Chemical Lime Inc.  
P. O. Box 967  
Brooksville, FL 33512

I. D. Number:  
Permit Number: AC 27-82797  
Expiration Date: Dec. 1, 1984

SPECIFIC CONDITIONS:

4. The compliance tests shall be conducted within 10 percent of maximum process rate of 2,083 pounds per hour. Each test shall be at least 30 minutes in duration.
5. A complete operation and maintenance plan shall be submitted to the Southwest District with the certificate of completion of construction as required by Rule 17-2.650(2)(g), FAC.
6. Reasonable precautions to prevent fugitive particulate emissions during construction shall be taken by the permittee.
7. The permittee shall demonstrate compliance with the conditions of this construction permit and submit a complete application for an operating permit to the Southwest District prior to 90 days before the expiration date of this permit. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration or until issuance of an operating permit.

Issued this \_\_\_ day of \_\_\_\_\_, 1984

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

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VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.

# ESE

**ENVIRONMENTAL SCIENCE  
AND ENGINEERING, INC.**

April 2, 1984

Mr. Bob King  
Florida Department of  
Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32301

DER  
APR 04 1984  
BAQM

RE: Loadout Baghouse No. 3 Construction Permit  
for Chemical Lime, Inc.

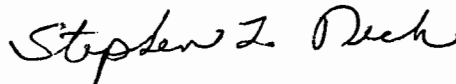
Dear Mr. King:

It is suggested that proposed emission limitations for this source be stated in the following manner:

"Visible emissions from the baghouse collector stack shall be limited to 5% opacity. Visible emissions associated with potential fugitive dust during tanker truck loading shall be limited to 10% opacity."

This degree of control should be easily achievable with the proposed system.

Respectfully,



Stephen L. Neck  
Department Manager  
Source Engineering Department

SLN:rr

cc: Skip Haskel, Chemical Lime, Inc.



AC 27-82797

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

DER

D. E. R.



FEB 29 1984

BOB GRAHAM GOVERNOR

VICTORIA J. TSCHINKEL SECRETARY

FEB 21 1984

BAQM

SOUTH WEST DISTRICT

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Load Out Baghouse No. 2 [X] New<sup>1</sup> [ ] Existing<sup>1</sup>

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

COMPANY NAME: Chemical Lime, Inc. COUNTY: Hernando

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) Dryer Baghouse Dust Storage Silo

SOURCE LOCATION: Street Camp Road, Gay, Hernando County City Brooksville, FL

UTM: East 7359406 m E North 31622627 m N

Latitude 82° 28' 58" N Longitude 28° 36' 47" W

APPLICANT NAME AND TITLE: Chemical Lime, Inc.

APPLICANT ADDRESS: P.O. Box 967, Brooksville, Florida 33512

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Chemical Lime, Inc.

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

\*Authorized by STEPHEN J. NECK authorization

Signed: [Signature]

G.A. Skip Haskell, Manager Industrial Relations  
Name and Title (Please Type)

Date: 2-20-84 Telephone No. 904-787-0608

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

<sup>1</sup> 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 Stephen L. Neck

Stephen L. Neck

Name (Please Type)

Environmental Science and Engineering, Inc.

Company Name (Please Type)

P.O. Box ESE, Gainesville, Florida 32602

Mailing Address (Please Type)

Florida Registration No. 20020

Date: 2-16-84

Telephone No. 904-332-3318

**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.

Improvement in dust handling system. Dust from dryer baghouse is now pneumatically conveyed to storage silo via forced draft fan. This system experiences down time plugging due to inadequate venting of silo. Baghouse will allow more venting.

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

Start of Construction 2-1-84

Completion of Construction 4-1-84

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.)

Baghouse \$3800.00

Installation \$1500.00

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

None

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 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)

1. Is this source in a non-attainment area for a particular pollutant? No  
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? No  
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. No

4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? No, Yes

5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? \_\_\_\_\_

a. If yes, for what pollutants? No

b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

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

Emission increase will be < 25 TPY.

## Best Available Copy

### 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		
Baghouse Lime Dust	Particulate	100	2083	Attachment A

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

1. Total Process Input Rate (lbs/hr): 2083

2. Product Weight (lbs/hr): 2083

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

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Dryer Dust	1.6x10 <sup>-3</sup>	7x10 <sup>-3</sup>	Process Weight Table	3.68 lb/hr	11398	0.70	Attachment A

See Section V, Item 2.

Reference 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)

Calculated from operating rate and applicable standard.

Emission, 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)
Seneca 16 IM Baghouse Dust Collector	Lime Dust	99%	N/A	Engineering Estimate

E. Fuels

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

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

Fuel Analysis:

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

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

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

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

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

Stack Height: 51.0 ft. Stack Diameter: 9" x 20" ft.  
 Gas Flow Rate: 600 ACFM 566 DSCFM Gas Exit Temperature: 100 °F.  
 Water Vapor Content: Negligible % Velocity: 8 FPS

**SECTION IV: INCINERATOR INFORMATION**

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

Description of Waste \_\_\_\_\_  
 Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_  
 Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_  
 Manufacturer \_\_\_\_\_  
 Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	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) \_\_\_\_\_

# Best Available Copy

Brief description of operating characteristics of control devices: \_\_\_\_\_

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

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

## SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]  
See Attachment A
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. See Attachment A.  
EPA Method 9 VE Test with 5% opacity allowed.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).  
AP-42 11.2
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.) Attachment B
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). 99% efficiency assumed
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. Attachment C
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).  
Attachment D
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.  
Attachment E

# Best Available Copy

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

## SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

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

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

- . 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:
- 7. Energy:
- 9. Emissions:

- 6. Operating Costs:
- 8. Maintenance Cost:

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:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- 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:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

# Best Available Copy

- 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:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- 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:<sup>1</sup>
- d. Capital Costs:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- 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:<sup>1</sup>
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:<sup>2</sup>
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:
- a. (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

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- (5) Environmental Manager:
- (6) Telephone No.:
- (7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant 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 ( ) SO<sub>2</sub>\* \_\_\_\_\_ 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 <sup>2</sup>	_____	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.

ATTACHMENT A

AP-42 11.2  
Fugitive Dust Sources

Potential Emission

Continuous Drop Equation

$$E = \frac{0.77 (0.0018) \left(\frac{S}{5}\right) \left(\frac{U}{5}\right) \left(\frac{H}{10}\right)}{\left(\frac{M}{2}\right)^2}$$

1. Choose  $K = 0.77$  (worst case from Table 11.2.3-2).
2. 99% of material passes 200 mesh  
 $s = 99$
3. Transfer Pipe Diameter = 4" = .0873 FT<sup>2</sup>  
At 600 CFM transport velocity = 6875 FPM = 115 FPS = 78 mph to storage bin. Storage bin is 20' dia. x 30' deep. Updraft velocity in bin is  $\frac{600 \text{ CFM}}{314 \text{ FT}^2} = 1.9 \text{ FPM} = .03 \text{ FPS} = 0.02 \text{ mph}$   $U = 0.02$ .
4. Drop height figured at 1/2 of bin depth of 30' for average drop  
 $H = 15'$
5. Moisture content  $M = 0.3\%$

$$E = 0.77(0.0018) \frac{\left(\frac{99}{5}\right) \left(\frac{0.02}{5}\right) \left(\frac{15}{5}\right)}{\left(\frac{0.3}{2}\right)^2} = .015 \frac{\text{lb}}{\text{ton}}$$

Total daily emission at 25 TPD transfer = 0.375 lb or 0.16 lb/hr

## ATTACHMENT B

A 4 inch duct will deliver a forced draft to a storage site. Material from the dryer baghouse dust collector will be air-veyed to this silo. The silo vent will be equipped with a Seneca Model 16 IM baghouse collector. The collected fines will be returned to the silo.

The baghouse will have 16 six foot bags with a total cloth area of 151 square feet. There will be 4 CFM per square foot of cloth.



FLUOSOLIDS REACTOR BIN

150'-0"

TOP OF BANK

TOP OF BANK

BENCH MARK

(B)

STORAGE BINS

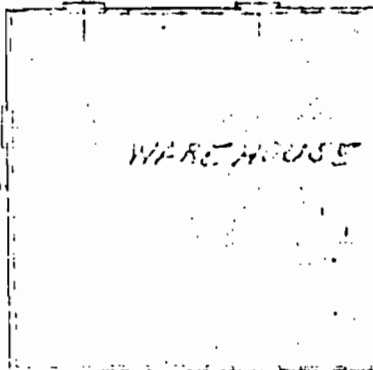
157'-5" AREA

81'-0"

8'-0"

90°

89°-30'



HYDRATION PLANT  
HYDRATOR STACK

KILN STACK

TIN SCRUBBER

CALCINING KILN

FEED BIN

FUTURE CALCINER

FLUOSOLIDS REACTOR BIN

DRYER BAGHOUSE

DRYER STACK

DRYER

DRYER FEED CONVEYOR

To Stock Pile

BIN DISCH.

CALCINING SECTION

DRYING SECTION  
5'-10"

POWER SUB. STATION

30'-0"

16'-4"

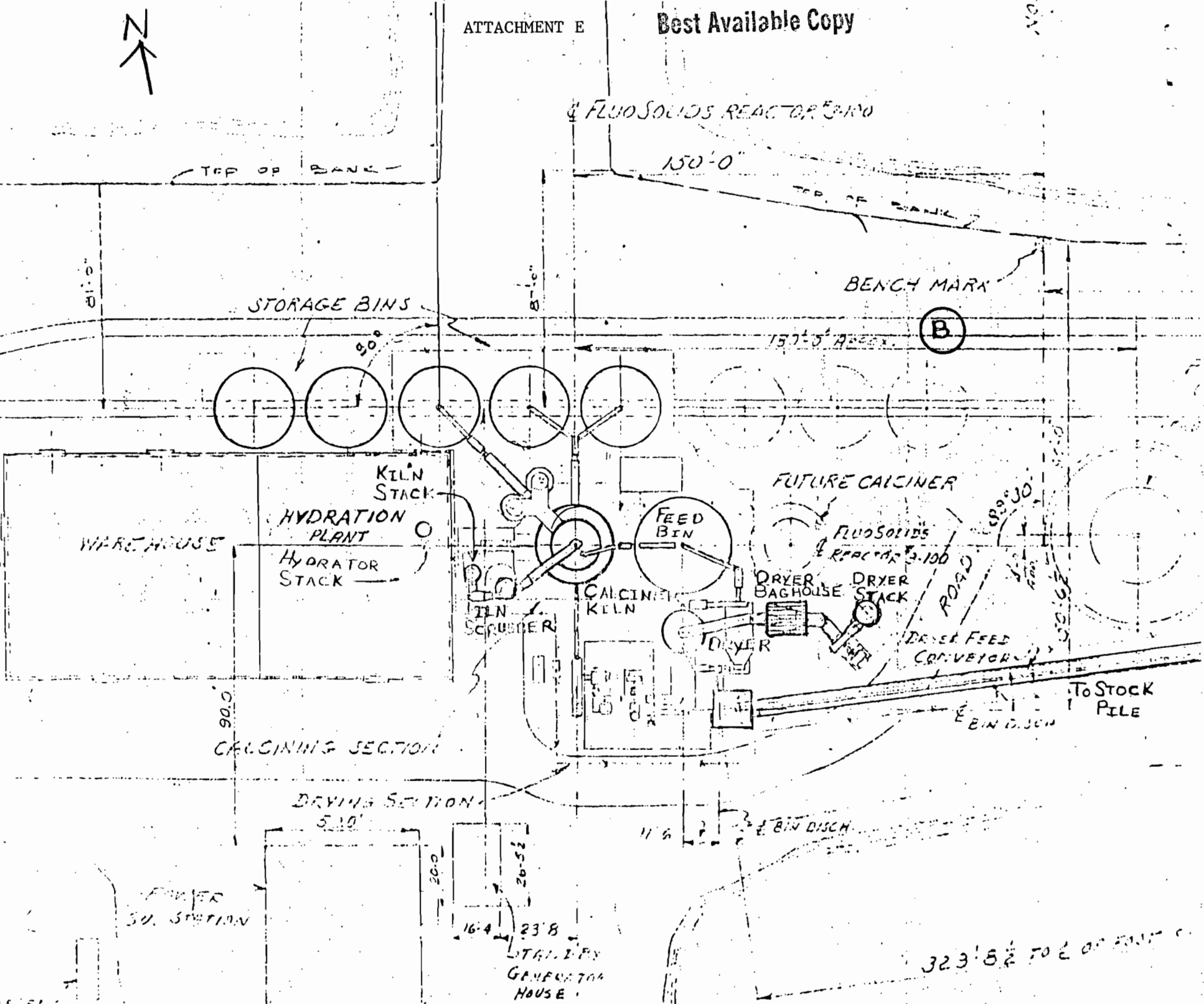
23'-8"

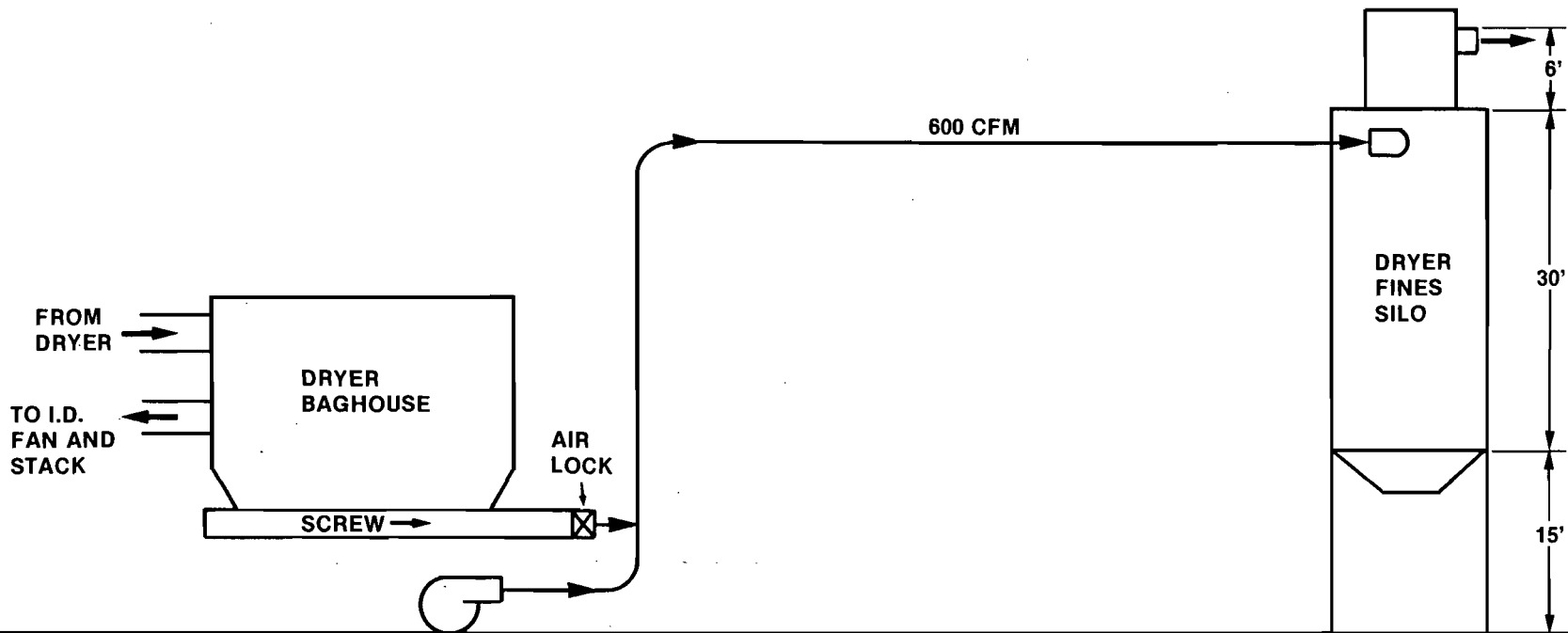
STEEL BY GENERATOR HOUSE

11'-6"

BIN DISCH.

323'-8 1/2 TO E. OF ROAD





**ATTACHMENT C  
DRYER FINES SILO FLOW SCHEMATIC**

**CHEMICAL LIME, INC.**



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Attachment D

R. 18 E. R. 19 E. LECANTO 17 MI. 4541 III NW NOBLETON 11 MI. CRYSTAL RIVER 23 MI.  
1.7 MI. TO U.S. 38 (BROOKSVILLE NW) 0.5 MI. TO U.S. 98 11 MI. TO U.S. 19  
25'



APPENDIX A  
OTHER DESIGN DATA

'IM' SERIES UNITS

MODEL	FILTER LENGTH	NO. OF FILTER BAGS	FILTER AREA (SQ. FT.)	APPROX. WEIGHT (LBS.)	UNIT DIMENSIONS (INCHES)												
					A	B	C	D	E	F	G	H	I	J	K	L	M
9-IM	6	9	66	640	23	23	12	9	66	25	3	<del>76</del>	16	6	6 X 20	20 $\frac{1}{2}$	20 $\frac{1}{2}$
	8		85	700			15		90			<del>76</del>					
	10		106	890			10		114			<del>76</del>					
12-IM	6	12	85	750	23	30	14	9	66	31	3	<del>76</del>	19	6	6 X 20	20 $\frac{1}{2}$	27 $\frac{1}{2}$
	8		113	835			17		90			<del>76</del>					
	10		141	925			15		114			<del>76</del>					
16-IM	6	16	113	950	30	30	14	12	66	31	4 $\frac{1}{2}$	<del>76</del>	19	8	9 X 20	27 $\frac{1}{2}$	27 $\frac{1}{2}$
	8		151	1025			17		90			<del>76</del>					
	10		186	1100			19		114			<del>76</del>					
25-IM	6	25	177	1130	37	37	15 $\frac{1}{2}$	12	66	37 $\frac{1}{2}$	4 $\frac{1}{2}$	<del>76</del>	22	13	9 X 20	34 $\frac{1}{2}$	34 $\frac{1}{2}$
	8		236	1395			18 $\frac{1}{2}$		90			<del>76</del>					
	10		295	1660			20 $\frac{1}{2}$		114			<del>76</del>					
36-IM	6	36	254	2085	44	44	16 $\frac{3}{8}$	12	66	43 $\frac{1}{2}$	4 $\frac{1}{2}$	<del>76</del>	22	14	9 X 20	41 $\frac{1}{2}$	41 $\frac{1}{2}$
	8		339	2270			18 $\frac{1}{2}$		90			<del>76</del>					
	10		424	2415			21 $\frac{1}{2}$		114			<del>76</del>					
49-IM	6	49	346	2410	51	51	17 $\frac{1}{2}$	18	66	49 $\frac{1}{2}$	7 $\frac{1}{2}$	<del>76</del>	26	18	15 X 24	48 $\frac{1}{2}$	48 $\frac{1}{2}$
	8		462	2500			19 $\frac{1}{2}$		90			<del>76</del>					
	10		578	2590			22 $\frac{3}{4}$		114			<del>76</del>					
61-IM	6	61	452	2690	58	58	18 $\frac{1}{2}$	18	66	55 $\frac{3}{8}$	7 $\frac{1}{2}$	<del>76</del>	29	20	15 X 24	55 $\frac{1}{2}$	55 $\frac{1}{2}$
	8		602	2890			20 $\frac{1}{2}$		90			<del>76</del>					
	10		754	3110			22 $\frac{1}{2}$		114			<del>76</del>					
81-IM	6	81	572	3360	65	65	18 $\frac{1}{2}$	18	66	61 $\frac{3}{8}$	7 $\frac{1}{2}$	<del>76</del>	30	23	15 X 24	62 $\frac{1}{2}$	62 $\frac{1}{2}$
	8		764	3740			21 $\frac{1}{2}$		90			<del>76</del>					
	10		955	4135			23 $\frac{1}{2}$		114			<del>76</del>					
100-IM	6	100	706	3993	72	72	19 $\frac{1}{2}$	18	66	65 $\frac{7}{16}$	7 $\frac{1}{2}$	<del>76</del>	31	25	15 X 36	69 $\frac{1}{2}$	69 $\frac{1}{2}$
	8		942	4327			21 $\frac{1}{2}$		90			<del>76</del>					
	10		1178	4955			24 $\frac{1}{2}$		114			<del>76</del>					
121-IM	6	121	855	5390	79	79	19 $\frac{1}{2}$	18	66	73 $\frac{1}{16}$	7 $\frac{1}{2}$	<del>76</del>	33	28	15 X 36	76 $\frac{1}{2}$	76 $\frac{1}{2}$
	8		1140	5698			22 $\frac{1}{2}$		90			<del>76</del>					
	10		1425	5999			24 $\frac{1}{2}$		114			<del>76</del>					
141-IM	6	141	1017	6450	86	86	20 $\frac{1}{2}$	24	66	79 $\frac{9}{16}$	10	<del>76</del>	34	30	20 X 36	83 $\frac{1}{2}$	83 $\frac{1}{2}$
	8		1357	6898			23 $\frac{1}{2}$		90			<del>76</del>					
	10		1697	7199			25 $\frac{1}{2}$		114			<del>76</del>					

AC 27-82796

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

D. E. R.



DER

BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

FEB 21 1984

FEB 29 1984

BAQM

SOUTH WEST DISTRICT  
TAMPA

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Load Out Baghouse No. 3  New<sup>1</sup> [ ] Existing<sup>1</sup>

APPLICATION TYPE:  Construction [ ] Operation [ ] Modification

COMPANY NAME Chemical Lime, Inc. COUNTY: Hernando

Identify the specific emission point source(s) addressed in this application (i.e. Lime Loadouts Numbers 3, 4, Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) and 5 Silo

SOURCE LOCATION: Street Camp Road, Gay, Hernando County City Brooksville, Florida

UTM: East 7359345 m E North 31622615 m N

Latitude 82° 28' 52" N Longitude 28° 39' 16" W

APPLICANT NAME AND TITLE: Chemical Lime, Inc.

APPLICANT ADDRESS: P.O. Box 967, Brooksville, Florida 33512

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Chemical Lime, Inc.

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

I attach herewith a copy of authorization

Signed: *G.A. Skip Haskell*

G.A. Skip Haskell, Manager Industrial Relations  
Name and Title (Please Type)

Date: 2-20-84 Telephone No. 904-787-0608

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

<sup>1</sup> See Florida Administrative Code Rule 17-2.100(57) and (104)



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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 Stephen L. Neck  
Stephen L. Neck  
Name (Please Type)

Environmental Science and Engineering, Inc.  
Company Name (Please Type)

P.O. Box ESE, Gainesville, Florida 32602  
Mailing Address (Please Type)

Florida Registration No. 20020 Date: 2-16-84 Telephone No. 904-332-3318

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.

Dust control system for load out bins Numbers 3 (cyclone kiln dust), 4 (pulverized quick lime) and 5 (hydrated lime). System consists of a loading spout for exit silo that fits tanker truck hatches. Negative pressure created during load out of each system. This air is exhausted through new baghouse dust collector.

B. Schedule of project covered in this application (Construction Permit Application Only)  
Start of Construction 3-1-84 Completion of Construction 6-1-84

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

<u>Baghouse and 3 loading spouts</u>	<u>\$17,000.00</u>
<u>Duct work and installation</u>	<u>\$ 7,500.00</u>

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.  
None

E. Requested permitted equipment operating time: hrs/day 6\* ; days/wk 7 ; wks/yr 52 ;  
if power plant, hrs/yr \_\_\_\_\_; if seasonal, describe: \_\_\_\_\_

\*Represents maximum time estimated for loading of tanker trucks. Maximum of two 25 ton  
trucks per hour.

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

1. Is this source in a non-attainment area for a particular pollutant? No  
a. If yes, has "offset" been applied? \_\_\_\_\_  
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. No

3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. No

4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? No

5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? No

H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? No

a. If yes, for what pollutants? \_\_\_\_\_

b. If yes, in addition to the information required in this form,  
any information requested in Rule 17-2.650 must be submitted.

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

Source will emit < 25 TPY

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## 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		
Lime Dust		100%	100000*	See Attachments

\*Represents loading of 2 trucks per hour maximum at 25 tons per truck.

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

1. Total Process Input Rate (lbs/hr): 100000

2. Product Weight (lbs/hr): 100000

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

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Lime Dust	2.25	2.46	Process Weight Table 50 TPH	40.59	501119	250.6	See Attachments

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference 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)

<sup>3</sup>Calculated from operating rate and applicable standard.

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

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**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)
Superior XP-8 Loading Spout	Lime Dust	99%	N/A	Attachment A
Seneca 25 IM Baghouse		99%	N/A	Attachment A

**E. Fuels**

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

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

Fuel Analysis:

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

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

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

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

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

Stack Height: 25 ft. Stack Diameter: 9" x 20" ft.  
 Gas Flow Rate: 960 ACFM 960 DSCFM Gas Exit Temperature: 70 °F.  
 Water Vapor Content: Negligible % Velocity: 12.8 FPS

\*Refers to baghouse emissions only.

SECTION IV: INCINERATOR INFORMATION

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

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

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

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	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) \_\_\_\_\_

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Brief description of operating characteristics of control devices: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

- 1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]  
Attachment A
- 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. EPA Method 9 visible emission test at baghouse outlet and at loading spout.  
5% opacity allowed.
- 3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).  
Attachment A
- 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.)  
Attachment B
- 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). Efficiencies assumed.
- 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.  
Attachment C
- 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).  
Attachment D
- 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.  
Attachment E

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

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

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

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

. 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:<sup>1</sup>
  - d. Capital Cost:
  - e. Useful Life:
  - f. Operating Cost:
  - g. Energy:<sup>2</sup>
  - 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:<sup>1</sup>
  - d. Capital Cost:
  - e. Useful Life:
  - f. Operating Cost:
  - g. Energy:<sup>2</sup>
  - h. Maintenance Cost:
  - i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy 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:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- 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:<sup>1</sup>
- d. Capital Costs:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, inastall in available space, and operate within proposed levels:

F. Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency:<sup>1</sup>
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:<sup>2</sup>
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:
- a. (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:

<sup>1</sup>Explain method of determining efficiency.  
<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant 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 \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ 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 <sub>2</sub>	_____ 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.

ATTACHMENT A

Emission Calculations

There are two collection efficiencies associated with this project. The first one addresses the collection efficiency of the material loading spout negative air system and the second will be the baghouse efficiency. The potential emission for each of these operations is estimated using the Continuous Drop Equation of AP-42 11.2. Values for air velocity and drop height were made using worst case scenarios for each parameter although the worst case situations are unlikely to occur at the same time.

The potential and actual emissions from the loading spout are calculated first. The loading spout will extend into the tanker truck hatch. The dust escaping must be carried by displaced air. A worst case dust loading is a 25 ton truck filling in a 10 minute time period.

$$\text{Total displaced air} = \frac{50000 \text{ pounds}}{45 \text{ pounds}} = 1111 \text{ Ft}^3 \text{ air}$$

or 111.1 CFM during 10 minute fill.

A total of 960 CFM will be exhausted from the nozzle loader. Most of this air will come from outside the truck. (See Attachment C). If an assumption is made that 50% of the air is from inside of the truck (480 CFM) then velocity through the open area of the spout ( 0.5 FT<sup>2</sup>) will be 960 FPM or 11 mph.

Continuous Drop Equation: (AP-42 11.2)

$$E = \frac{(0.77)(0.0018) \left(\frac{S}{5}\right) \left(\frac{U}{5}\right) \left(\frac{H}{10}\right)}{\left(\frac{M}{2}\right)^2} = \text{lb/ton}$$

1. Choose largest particulate size multiplier from Table 11.2 3-2 for continuous drop.

$$K = 0.77$$

2. Silt content for worst case in No. 5 silo where 80% passes No. 200 mesh

$$S = 80$$

3. Mean wind speed inside tanker truck (caused by negative pressure system)

$$U = 11 \text{ mph}$$

4. Drop height equals radius of tanker truck H = 5 feet.

5. Moisture taken at 0.3% (M = 0.3)

$$E = \frac{(0.77) (0.0018) \left(\frac{80}{5}\right) \left(\frac{11}{5}\right) \left(\frac{5}{10}\right)}{\left(\frac{0.3}{2}\right)^2} = 1.1 \text{ lb/ton}$$

$$\text{Total Potential Emission is: } \left(\frac{25 \text{ tons}}{\text{truck}}\right) \left(\frac{1.1 \text{ lb}}{\text{ton}}\right) = 27.5 \frac{\text{lb}}{\text{truck}}$$



If two trucks per hour are loaded the potential emission is 55 pounds per hour. The loading spout is expected to provide a 99% collection efficiency if properly used and fitted to trucks. Actual emissions from this portion of the process will then be:  $(55)(0.01) = .55$  pounds per hour as fugitive dust.

The remainder of the emissions will be from the baghouse collector. The potential emission will be a combination of the material collected from the truck plus the material entrained in the exhaust air of the chute. This latter potential emission is calculated by again using the continuous drop equation. The air speed is figured using 950 CFM and a cross-sectional area using the 18" chute diameter minus the 8" material feed diameter (1.42 FT<sup>2</sup>).

1.  $S = 80$

2.  $U = 960 \text{ CFM} \div 142 \text{ FT}^2 = 680 \text{ FPM} = 11.28 \text{ FPS} = 7.7 \text{ mph.}$

3.  $H = 8' \text{ drop}$

4.  $M = 0.3\%$

$$E = \frac{(0.77) (0.0018) \left(\frac{S}{5}\right) \left(\frac{U}{5}\right) \left(\frac{H}{10}\right)}{\left(\frac{M}{2}\right)^2} = \frac{(0.77) (0.0018) \left(\frac{80}{5}\right) \left(\frac{7.7}{5}\right) \left(\frac{18}{5}\right)}{\left(\frac{.3}{2}\right)^2}$$

$E = 2.4 \text{ lb/ton}$

Potential Emission =  $(2.4 \text{ lb/ton} \times 50 \text{ TPH}) + 54.45 = 174.45 \text{ lb/ton}$

Actual Emission at 99% efficiency of baghouse =  $(0.01 \times 174.45) = 1.75 \text{ lb/hr}$

The baghouse will be exhausted within the hydration plant building. Total emission from the new system is 1.74 lb/hr from the baghouse plus 0.55 lb/hr from the loading spout, a total of 2.25 lbs/hr.

Total potential from this new system is 174.45 lbs/hr for the baghouse plus 55 lbs/hr from the loading spout or a total of 229.45 lbs/hr.

## ATTACHMENT B

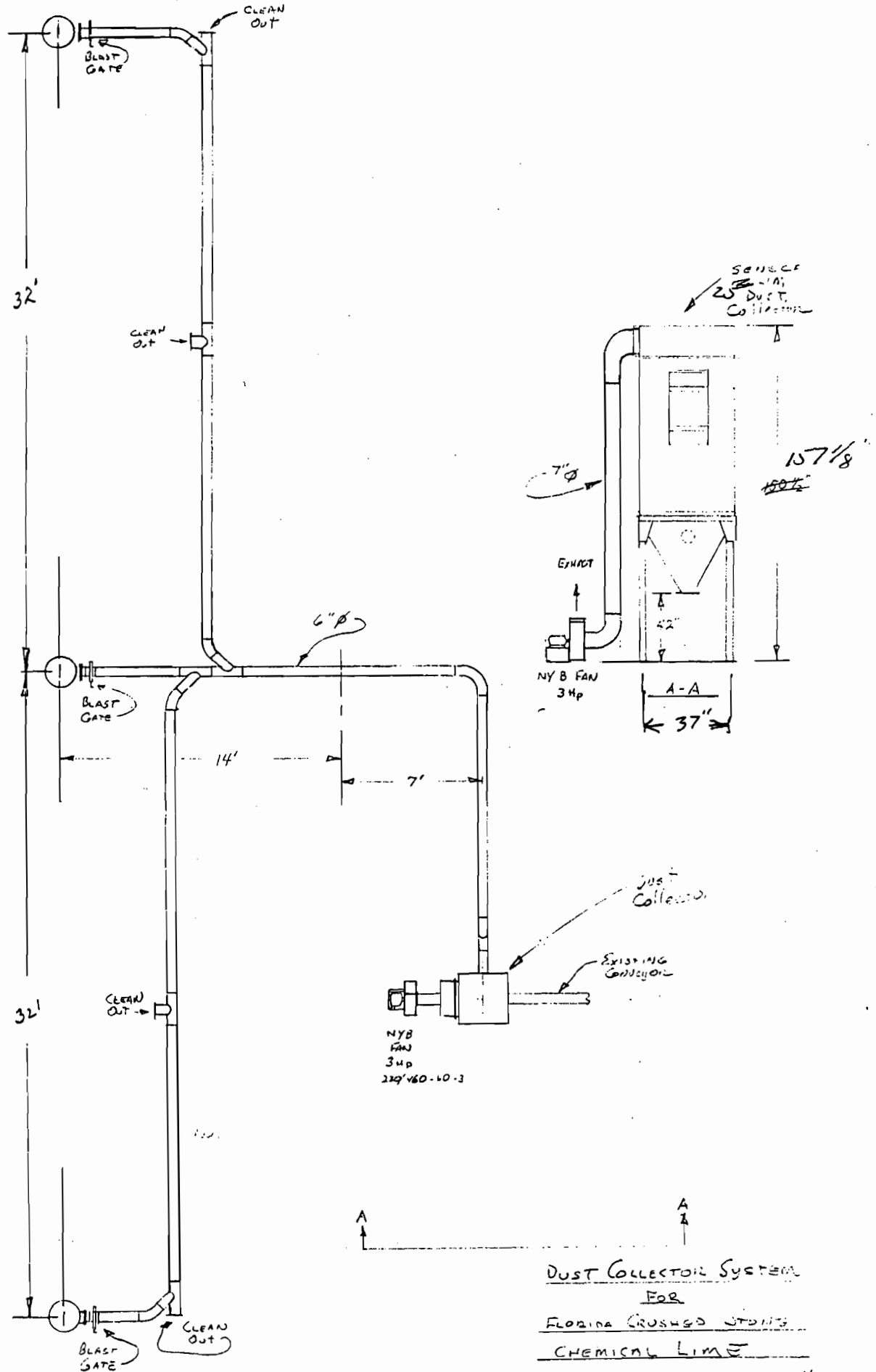
### Equipment Description

The three loading spouts are Superior XP-8 "EZ-View" retractable feed chutes which are extendable to 8 feet. They will fit truck hatches of from 14 to 30" in diameter. They are furnished with a remote controlled spout positioners and level sensors.

Air will be exhaust from each loading spout by opening the "blast gate" of the chute in use. (Attachment E).

The dust laden air will be exhausted through a Seneca Model 25 IM baghouse with 25 six foot filters. Total filter area will be 177 square feet. At 960 CFM the air to cloth ratio will be 5.4 CFM per square foot. The collected dust will be bagged and sold as product.

ATTACHMENT C



Best Available Copy  
ATTACHMENT D

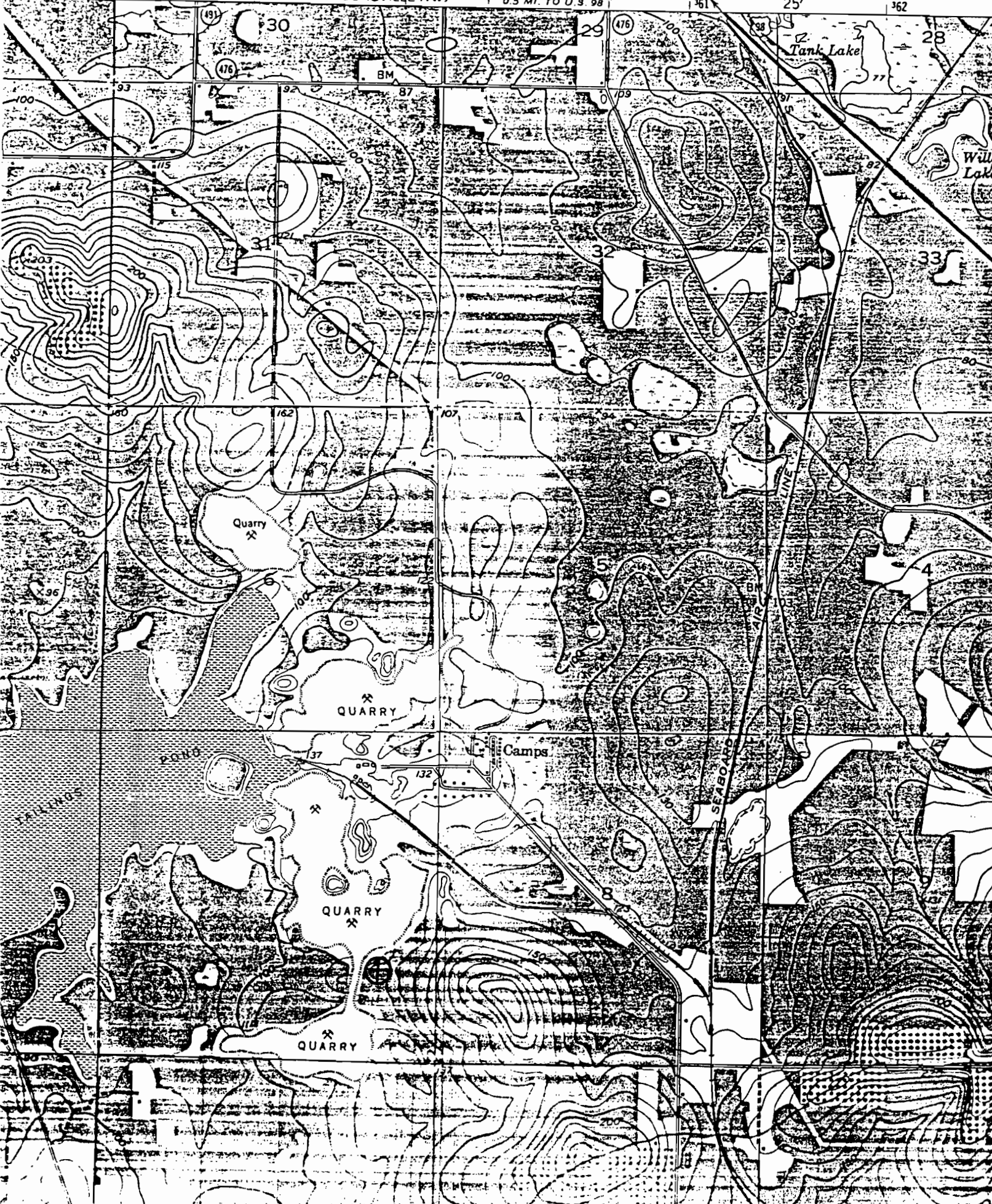
R. 18 E. R. 19 E.

LECANTO 17 MI.  
1.7 MI. TO U.S. 93

4541 III NW  
(BROOKSVILLE NW)

NOBLETON 11 MI.  
0.5 MI. TO U.S. 98

CRYSTAL RIVER 23 MI.  
11 MI. TO U.S. 19



FLUID SOLIDS REACTOR 300

150'-0"

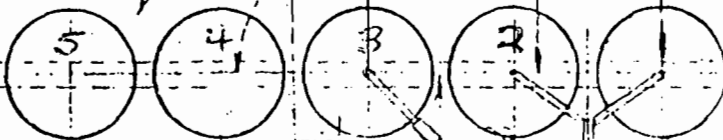
TOP OF BANK

TOP OF BANK

BENCH MARK

STORAGE BINS

157'-5" AREA



KILN STACK

HYDRATION PLANT

HYDRATOR STACK

WAREHOUSE

FUTURE CALCINER

FLUID SOLIDS REACTOR 3-100

FEED BIN

DRYER BAGHOUSE

DRYER STACK

SCRAPER

CALCINER KILN

DRYER

DRYER FEED CONVEYOR

TO STOCK PILE

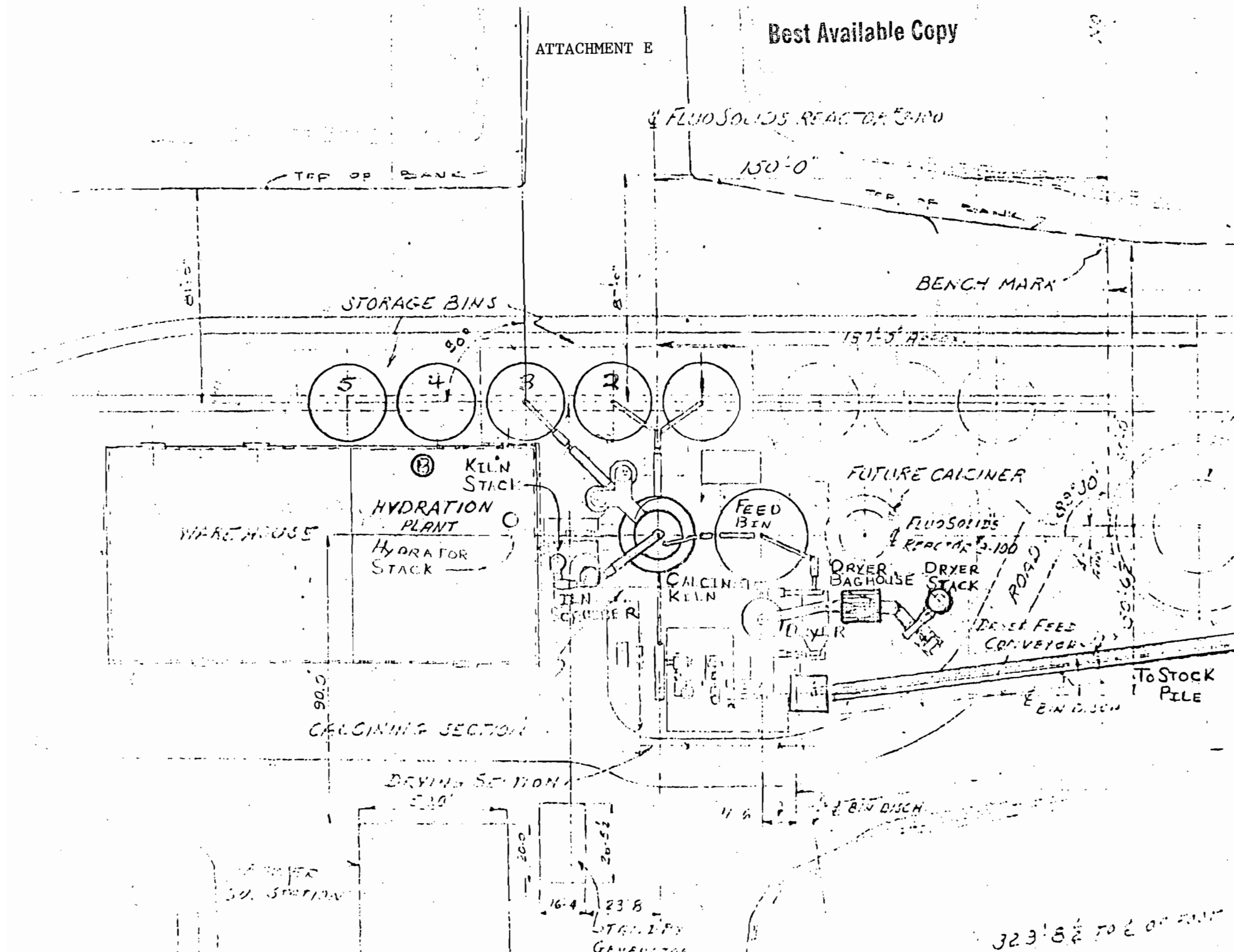
CALCINING SECTION

DRYING SECTION

BIN DISCH

16-4 23-8 STABILIZER GENERATOR HOUSE

323' 8 1/2 TO E OF POINT



APPENDIX A  
ADDITIONAL SPECIFICATIONS

'IM' SERIES UNITS

MODEL	FILTER LENGTH	NO. OF FILTER BAGS	FILTER AREA (SQ. FT.)	APPROX. WEIGHT (LBS.)	UNIT DIMENSIONS (INCHES)												
					A	B	C	D	E	F	G	H	I	J	K	L	M
9-IM	6	9	66	640	23	23	142	9	66	25	3	<del>76</del>	16	6	6 X 20	20 $\frac{1}{4}$	20 $\frac{1}{4}$
	8		85	700			166		90			76					
	10		106	890			190		114			76					
12-IM	6	12	85	750	23	30	146	9	66	31	3	<del>76</del>	19	6	6 X 20	20 $\frac{1}{4}$	27 $\frac{1}{4}$
	8		113	835			172		90			76					
	10		141	925			198		114			76					
16-IM	6	16	113	950	30	30	151	12	66	31	4 $\frac{1}{2}$	<del>76</del>	19	8	9 X 20	27 $\frac{1}{4}$	27 $\frac{1}{4}$
	8		151	1025			175		90			76					
	10		188	1100			199		114			76					
25-IM	6	25	177	1130	37	37	157 $\frac{1}{8}$	12	66	37 $\frac{1}{8}$	4 $\frac{1}{2}$	<del>76</del>	22	13	9 X 20	34 $\frac{1}{4}$	34 $\frac{1}{4}$
	8		236	1395			181 $\frac{1}{8}$		90			76					
	10		295	1660			205 $\frac{1}{8}$		114			76					
36-IM	6	36	254	2085	44	44	163 $\frac{1}{8}$	12	66	43 $\frac{1}{8}$	4 $\frac{1}{2}$	<del>76</del>	22	14	9 X 20	41 $\frac{1}{4}$	41 $\frac{1}{4}$
	8		339	2270			187 $\frac{1}{8}$		90			76					
	10		424	2415			211 $\frac{1}{8}$		114			76					
49-IM	6	49	346	2410	51	51	175 $\frac{1}{4}$	16	66	49 $\frac{1}{4}$	7 $\frac{1}{2}$	<del>76</del>	26	18	15 X 24	48 $\frac{1}{4}$	48 $\frac{1}{4}$
	8		462	2500			199 $\frac{1}{4}$		90			76					
	10		578	2590			223 $\frac{1}{4}$		114			76					
64-IM	6	64	452	2690	58	58	163 $\frac{3}{8}$	15	66	55 $\frac{3}{8}$	7 $\frac{1}{2}$	<del>76</del>	29	20	15 X 24	55 $\frac{1}{2}$	55 $\frac{1}{2}$
	8		602	2690			205 $\frac{3}{8}$		90			76					
	10		754	3110			229 $\frac{3}{8}$		114			76					
81-IM	6	81	572	3360	65	65	157 $\frac{3}{8}$	15	66	61 $\frac{3}{8}$	7 $\frac{1}{2}$	<del>76</del>	30	23	15 X 24	62 $\frac{1}{2}$	62 $\frac{1}{2}$
	8		764	3740			211 $\frac{3}{8}$		90			76					
	10		955	4135			235 $\frac{3}{8}$		114			76					
100-IM	6	100	706	3993	72	72	193 $\frac{7}{16}$	14	66	65 $\frac{7}{16}$	7 $\frac{1}{2}$	<del>76</del>	31	25	15 X 36	69 $\frac{1}{2}$	69 $\frac{1}{2}$
	8		942	4327			217 $\frac{7}{16}$		90			76					
	10		1178	4955			241 $\frac{7}{16}$		114			76					
121-IM	6	121	855	5397	79	79	153 $\frac{7}{16}$	18	66	73 $\frac{7}{16}$	7 $\frac{1}{2}$	<del>76</del>	33	28	15 X 36	76 $\frac{1}{2}$	76 $\frac{1}{2}$
	8		1140	5898			203 $\frac{7}{16}$		90			76					
	10		1425	5999			227 $\frac{7}{16}$		114			76					
144-IM	6	144	1017	6450	86	86	211 $\frac{9}{16}$	24	66	73 $\frac{9}{16}$	10	<del>76</del>	34	30	20 X 36	83 $\frac{1}{2}$	83 $\frac{1}{2}$
	8		1357	6898			235 $\frac{9}{16}$		90			76					
	10		1697	7199			259 $\frac{9}{16}$		114			76					

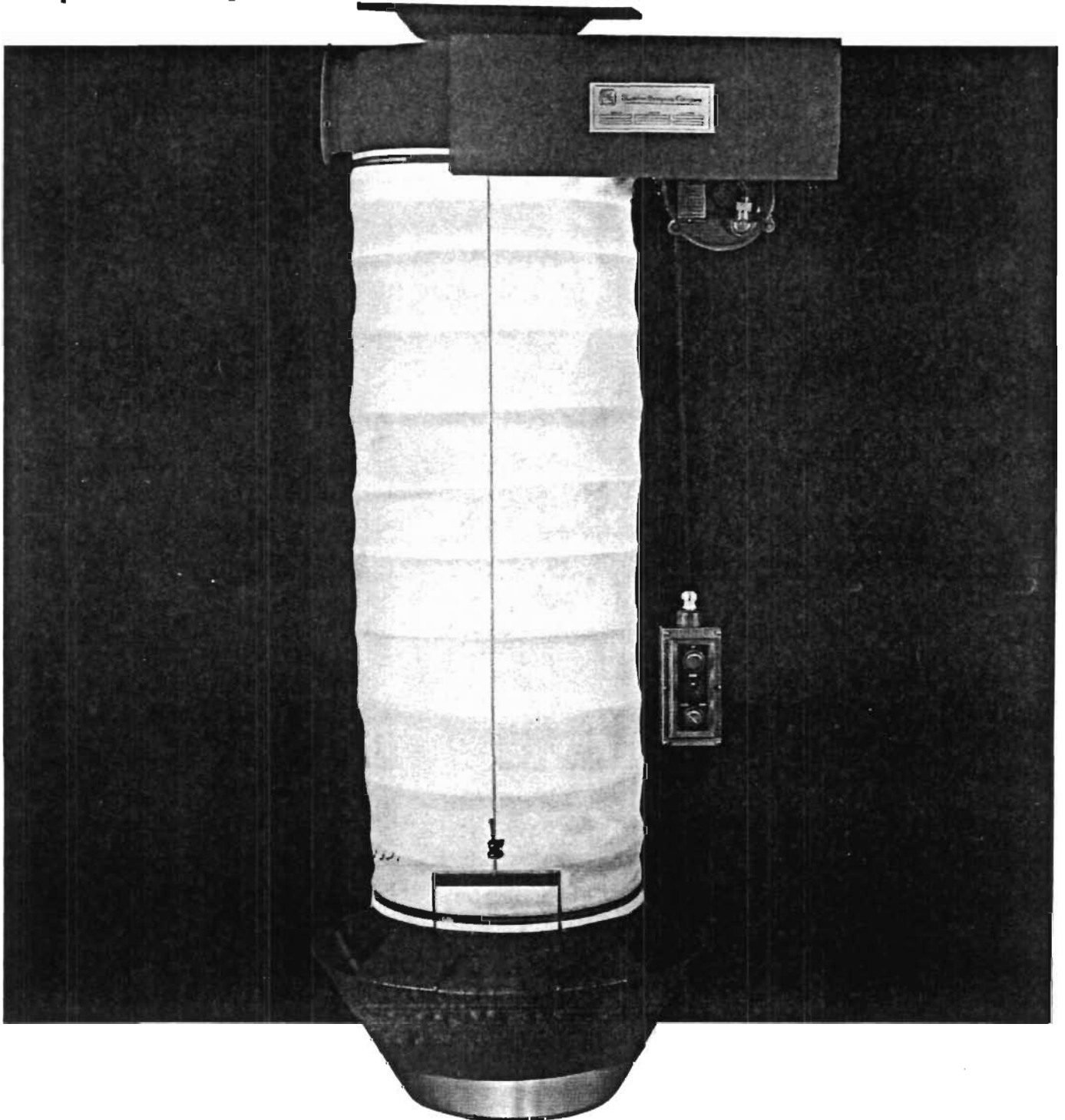
«EZview»™

**LOADING**

**SPOUT**

**Retractable,  
Dust-free**

Superior Systems Co.





**"EZview"™**

# LOADING SPOUT

## QUALITY DESIGNED LOADING EQUIPMENT

### • TOTAL VERSATILITY

For clean stockpiling or loading of any fine, dry materials, such as powdered chemicals and cements, grain products, sand and gravel, coal or any other dry, bulk materials — the EZview Industrial Loading Spouts are designed to control dust and, at the same time, allow maximum product movement.

Available for a wide range of applications, the EZview Loading Spouts are ideally suited for loading railroad cars, trucks, ships and barges, containers, barrels, radial stacking or any application where dry materials are to be moved.

### • RUGGED CONSTRUCTION

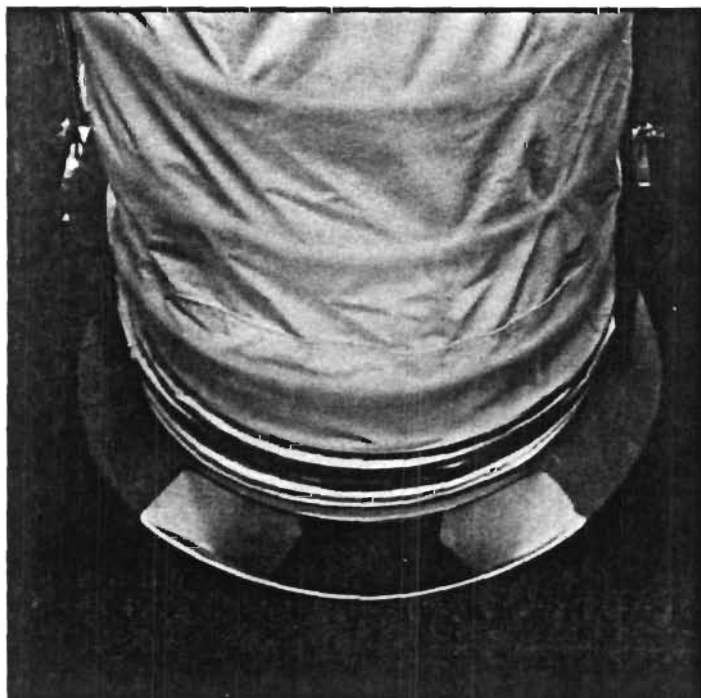
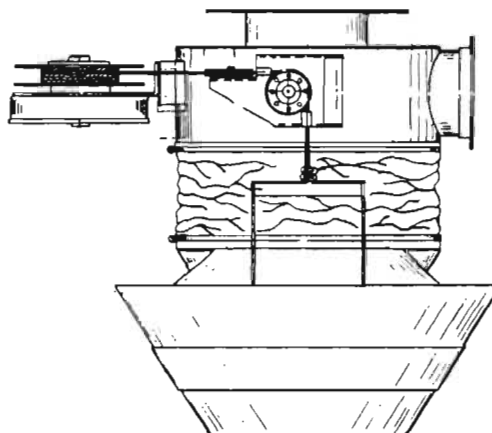
Built for years of dependable performance for even the most demanding of applications, the EZview Loading Spout is quality construction throughout. UL approved electrical or pneumatic operated controls allows installation for every type of environmental control situation.

### • FINGER-TIP CONTROLS

Operating the EZview Loading Spout is as easy as 1-2-3. By merely pushing the buttons on the handy control pendant, the operator can readily extend and retract the spout.

### • SPOUT LENGTH

Depending on the requirements of the installation, the EZview Loading Spout can be sized to extend to a wide range of lengths. Where clearance is a problem, the loading spout can be retracted up to two or three feet in length.



## BENEFITS

### PROVEN FEATURES THAT ASSURE DEPENDABLE SERVICE

#### • CLEAR-VIEW

The built-in viewing ports in the EZview Loading Spout provides an unobstructed view of the product as it leaves the spout and enters the container. This allows the operator total control of the filling process. This avoids spillage and product loss and, at the same time, helps to maintain cleanliness at the loading site.

#### • DUST-FREE LOADING

One of the main features of the EZview Loading Spout is the internal system which allows the capture of the fugitive dust that is normally released to the environment during the loading process.

# APPLICATIONS

- **TRUCK LOADING**

Specifically designed to provide dust-free loading of open or enclosed trucks, the EZview Loading Spout is ideal for loading dry cement, lime, grain, fertilizer products and a variety of other products.

- **READY MIX LOADING**

With additional options, the EZview Loading Spout can load cement, aggregate and water through the same loading spout.

- **SHIP AND BARGE LOADING**

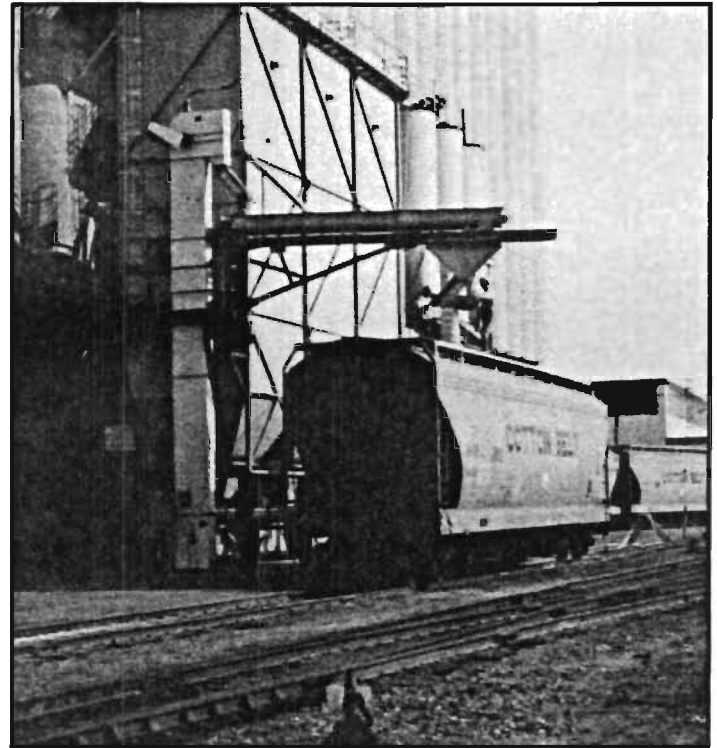
For loading products into ships or barges, the EZview Loading Spout will handle a variety of dusty, granular materials into enclosed or open vessels. Automatic raising and lowering as well as sensing devices and positioners are available.

- **OPEN RADIAL STACKING**

Heavy duty, abrasive-resistant spouts are available to handle large volumes of dry, lumpy and dusty products such as coal, limestone, dolomite, etc. All units are weather resistant for exterior installations.

- **CARTON AND DRUM FILLING**

A compact size EZview Loading Spout is excellent for filling boxes, barrels, cartons, and drums with dry, dusty materials. It is especially ideal for handling powdered chemicals that are environmentally objec-



tionable. Available options include special discharge shrouds, automatic shut-offs, and stainless steel construction for food, chemical and other special applications.

## GENERAL SPECIFICATIONS

The following information is provided to demonstrate the wide range of dimensions and capacities available in the EZview Loading Spouts. Specific recommendations concerning the specifications for each application are available from our Engineering Department upon request.

Loading Spout Application	Capacity TPM	Extension Length	Retractable Length	Recommended CFM
Slotted Rail Car	To 15	8', 10', 12'	3' to 4'	1200 to 1500
Multiple Rail Car	To 15	8', 10'	3'	1000
Truck Loading	9 to 15	4', 8', 10', 12'	3' to 4'	1000 to 2000
Ready Mix	9 to 15	2', 4'	2'	1000 to 1500
Ship & Barge	15 to 40	16', 25', 60'	4' to 8'	2000 to 4000
Open Radial Stacking	To 100	8' to 100'	3' to 12'	4000 to 6000
Carton & Drum	To 4	3', 4'	2'	300 to 500

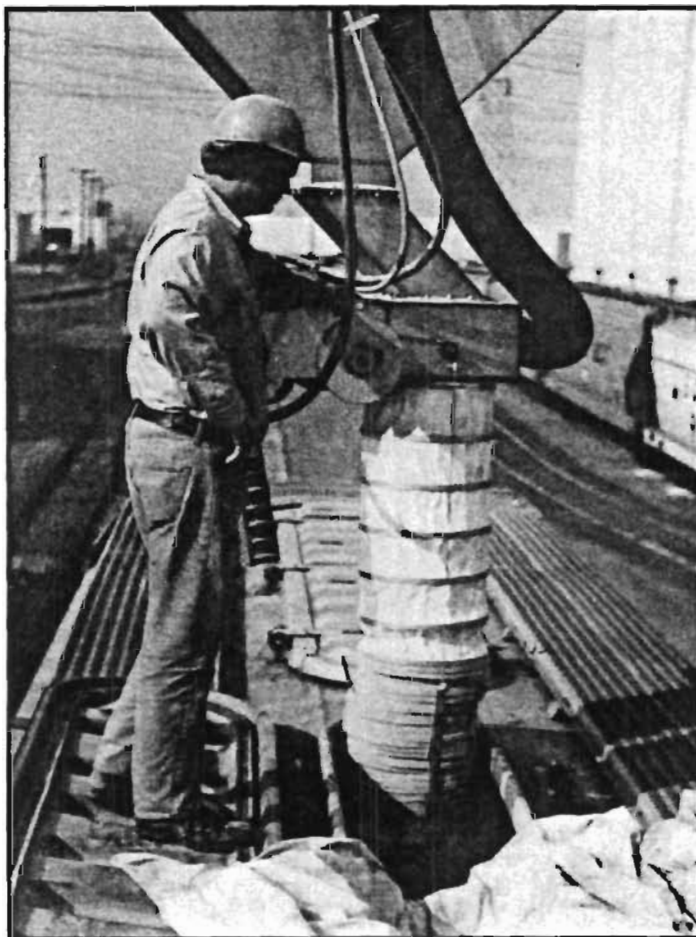
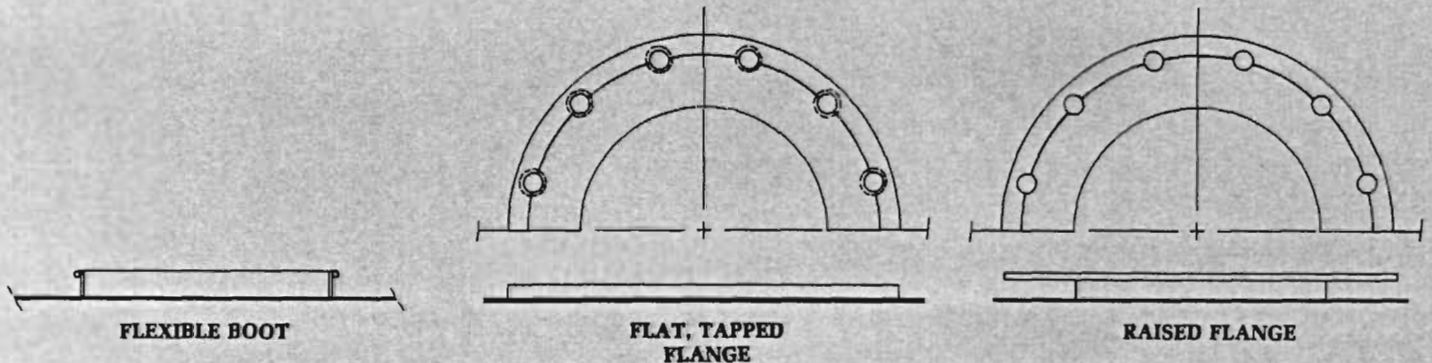
Other features include: Heavy duty, 12 gauge steel construction; "Slack cable" and "Full extended" limit switches; 3 phase, 60 HZ, 230/460 volt drive motors; flexible outer sleeve with stainless steel inner rings; dust covers and guards. All loaders are shipped completely assembled with operating and maintenance instruction manuals.

# MOUNTING OPTIONS

## ROUND OR SQUARE MOUNTING FLANGE

The standard flange provided is a raised, flat-faced flange with clearance holes drilled to match A.S.A. 150 # standards. The standard inside diameters available are 8, 10, 12, and 14 inches. Optional input

flanges include: flat drilled and tapped, extended collar with ring for flexible couplings, and raised square flanges for mating to 9, 10, or 12 inch screw conveyor outlets.



## RAILROAD CAR LOADER

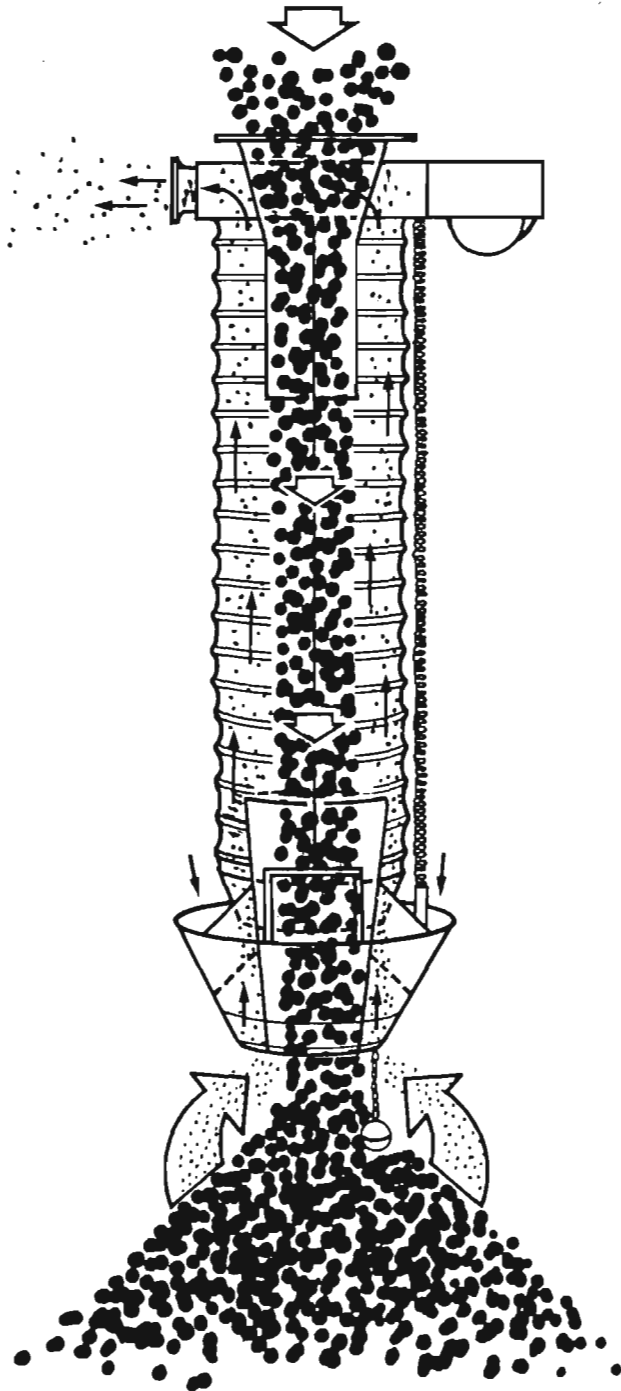
The high capacity and versatility of the EZview Loading Spout makes it suitable for all types of railroad loading.

A completely automated system for loading railroad cars from one push-button control panel is also available.

### • SLOTTED RAILCAR LOADING

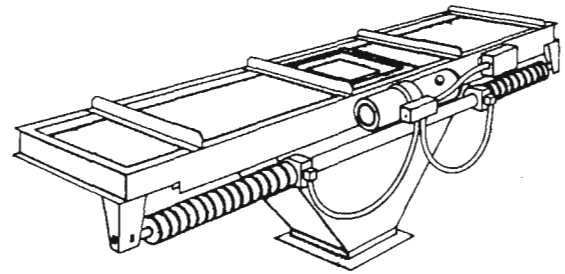
A special designed model is available to accommodate the "slotted-hatch" type railroad cars. This compactly constructed, dust-free loading spout can fit down inside the slotted railroad car for easier product control and uniform filling. Optional equipment includes level sensing control, air vibrator kits, and remote positioning controls.

# OPTIONS



The above cut-away diagram of the EZview Loading Spout illustrates the inter-flow of the product through the spout and the negative air flow that withdraws the fugitive dust particles.

Internal vanes are installed inside the spout tube to maintain a straight flow of the product. This eliminates swirling of the material which keeps it from mixing with the negative air stream that draws out the dust. Controlled air flow passing through the viewing ports maintains clear visibility for the operator to view the load level.



- **SPOUT POSITIONERS**

Remote controlled, single and dual direction spout positioners are available which will allow the operator to properly position the loading spout. This equipment is extremely useful for loading a variety of railroad cars, such as offset and center dome hatches, as well as spotting trucks and railcars.

- **LEVEL SENSOR**

To alert the operator that the filling cycle is nearing completion or the desired product level has been reached, a Level Sensing device may be factory installed to the EZview Loading Spout which extends into the container being filled. When the product touches the Level Sensor, a switch is activated to generate a signal to the operator.

- **NEGATIVE AIR CONTROL SWITCH**

This switch is to insure that the negative air system is "on" when the loading spout is extended, and "off" when the spout is retracted in the "full-up" position.

- **HATCH ADAPTOR KITS**

The hatch adaptor kits are designed to seal the loading spout into square, round, or slotted railcar hatches. These kits are easy to install and require no tools for installation.

- **EXPLOSION-PROOF COMPONENTS**

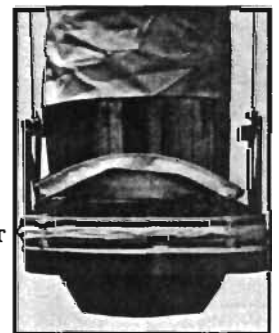
For use in hazardous areas such as chemical plants or grain elevators, intrinsically safe, explosion-proof electrical and pneumatic controls are available. Also, anti-static devices are installed for dissipation of any static electricity.

- **DUAL-PURPOSE SPOUT**

A dual-purpose loading spout for loading hatched top or open-style railcars and trucks, comes with dual function controls, viewing ports, and retractable, open stacking shroud.

- **ADDITIONAL OPTION**

For information regarding other options, such as dust collectors, viewing collar lighting, and other accessories, contact our engineering department for specific details.

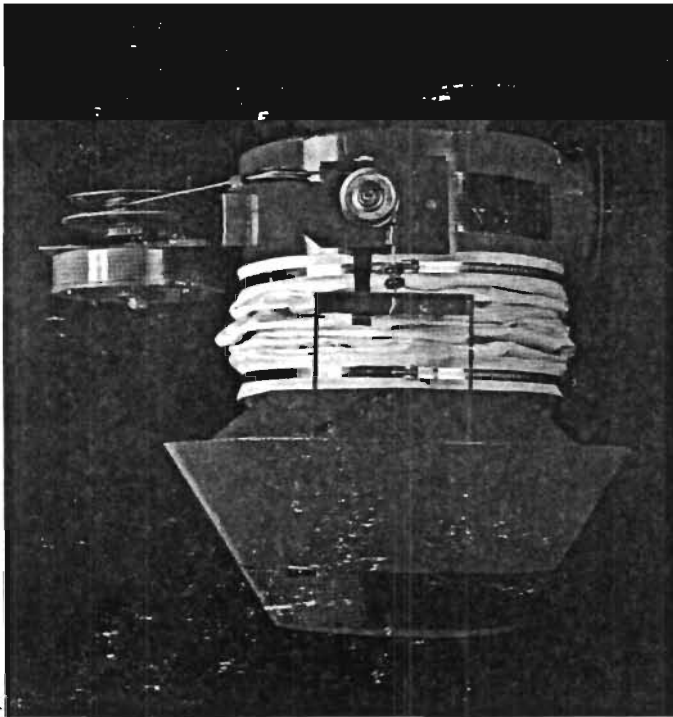
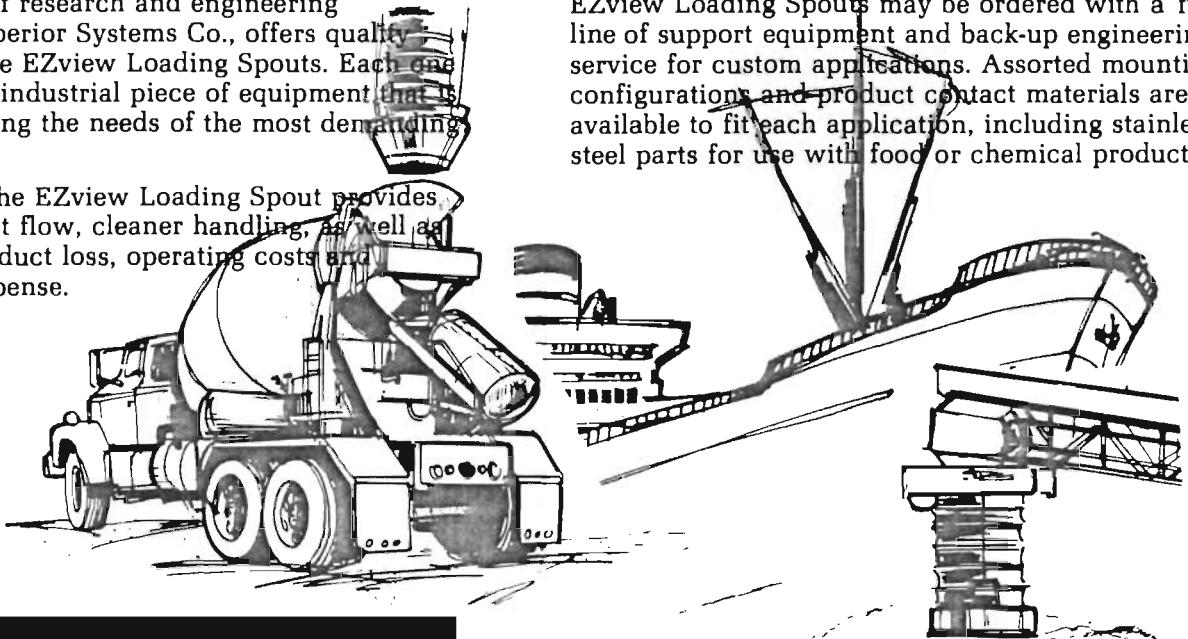


# CAPABILITIES

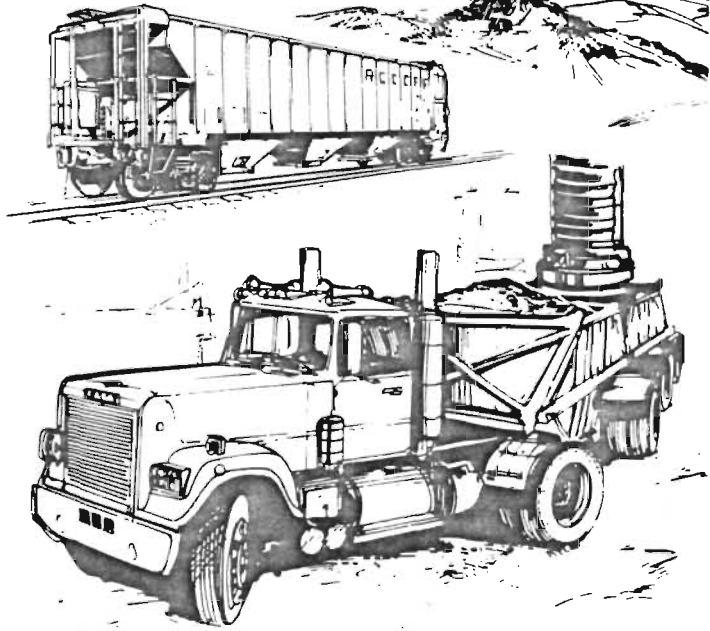
Through years of research and engineering refinements, Superior Systems Co., offers quality built, trouble free EZview Loading Spouts. Each one is a heavy duty, industrial piece of equipment that is capable of meeting the needs of the most demanding application.

Easy to install, the EZview Loading Spout provides excellent product flow, cleaner handling, as well as reduction in product loss, operating costs and maintenance expense.

EZview Loading Spouts may be ordered with a full line of support equipment and back-up engineering service for custom applications. Assorted mounting configurations and product contact materials are available to fit each application, including stainless steel parts for use with food or chemical products.



XP-8M MANUALLY OPERATED SPOUT



## "EZview"™ LOADING SPOUTS

An Investment — Not An Expense

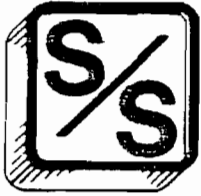


**SUPERIOR SYSTEMS CO.**  
13790 Redwood Ave.  
Chino, CA 91740  
(714) 591-6341

**M. S. FRENCH CO., INC.**

Process Equipment

807 - 5th ST. W. • PALMETTO, FL 33561  
PHONE: 813-729-5529



# Superior Systems Company

P.O. Box 1456 • 13790 Redwood Avenue/Chino, CA 91710  
(714) 591-6341                      Telex: 182995

Cat. #  
XP-8 EZ

XP-8 EZ View Loading Spout (XP-8)

Sheet 1 of 4

The XP-8 EZ View loading spout is designed to provide for dust free loading of any dry bulk material into enclosed round or square hatched trucks. The XP-8 has a designed maximum thruput of 300 cubic feet per minute. The XP-8 is designed to work with a negative pressure dust collection system, to remove displaced air and fugitive dust, providing the operator with visual control of the loading operation.

## EQUIPMENT DESCRIPTION

I. Dimensions: The retracted height of the XP-8 loader is 2'-6" to provide for low profile installations. The loader has no obstructions above the input and mounting flange. By using the Option I input and mounting flange, the retracted height may be reduced to 2'-4". The viewing collar is 2'-2 1/8" in diameter.

II. Weight: The total weight of the XP-8 loader is 275 lbs. fully assembled. The domestic shipping weight is 300 lbs.

III. Travel: The maximum travel of the XP-8 loading spout is 4'-0".

IV. Product Inlet & Mounting Flange: The standard flange provided is raised flat face flange with clearance holes drilled to match A.S.A. 150# standards. The standard inside diameters available are 8, 10 and 12 inches. Optional input flanges include: flat, drilled and tapped, extended collar with wire ring for flexible couplings, and raised square flanges for mating to 9, 10 and 12 inch screw conveyor outlets.

V. Dust Outlet: The dust outlet connection provided on the XP-8 loader is 6" diameter. The flange is drilled for (6) 3/8" diameter holes on a 7-5/16" diameter bolt circle. The outside diameter is 8 1/8" inches. The companion flange can be provided at slight additional cost.

VI. Flexible Outer Sleeve: The flexible outer sleeve is constructed of 18 oz. cross stitched nylon, vinyl coated on both sides. The sleeve is reinforced with rolled stainless steel hoops held in position by ring loops sewn on the inside of the sleeve.

VII. Construction: All Superior Systems loaders are manufactured from A 569 hot rolled, leveled and slit sheet, or plate stock. A36 structural steel shapes are used where applicable. All surfaces are cleaned and primed with one coat of rustoleum primer and finished with one coat of oil based machinery enamel. All fasteners are zinc plated. All Superior Systems loading spouts are factory assembled.

VIII. Motor and Gear Reducer: The XP-8 EZ View loader is raised and lowered by a 150:1 shaft mounted gear reducer. The drive motor is a 1/2 H.P., 1750 R.P.M., 230/460 volt, 3 phase, 60 HZ, T.E.F.C., C flange mounted motor with 1.0 service factor class B insulation with tapped conduit box. The drive assembly and cable reels are supported by two 1 3/16" diameter flanged mounted bearings.

IX. Electrical Controls: The XP-8 EZ View loader is supplied complete with both full up and full down control limit switches, to protect the drive mechanisms of the loader. The loader is also supplied with the operators control pendant with "up" and "down" pushbutton operators and a two position selector switch for product feed control interfacing. All controls and interlocks are factory wired to a N.E.M.A. 4/12 junction box located inside the drive frame. N.E.M.A. 7 and 9 are available at additional cost.

X. Instruction Manual: Superior Systems supplies two installation and instruction manuals with each loading spout. The manual includes: installation instructions, electrical and mechanical, start up and check out procedure, complete bill of materials including commercial components and a suggested spare parts list for wear parts that could be expected to be replaced over a two year period.

XI. Optional Equipment:

A. Spout Positioner; Catalog #SP 2 x 2

We recommend the implementation of our hydraulic operated spout positioner. The positioner permits the operator to properly locate the loading spout left to right and/or front to back a total of (2) feet in a horizontal place. The positioner is shipped fully assembled with the loader.

B. Viewing Collar Lighting Kit; Catalog #LK-2008

For night loading, or when loading to visual set point, other than a full container, we recommend our optional lighting kit. The kit consists of rugged quartz hallogen sealed lights located inside the viewing collar to illuminate the inside of the container being filled. The kit is factory installed and includes the power supply, and on-off control limit switch.

C. Level Sensing Kit; Catalog #LSK-3008

Under some conditions, it may be desirable to alert the operator that the filling cycle is near completion or the desired product level has been reached. This factory installed kit consists of an adjustable position level switch which extends into the container being filled.

D. Negative Air Control Switch; Catalog #NAC4008

The negative control switch is used to insure that whenever the loader is extended, that the negative air system is "on" and likewise whenever the loader is in the "full up" position, the negative air system is "off".



XII. Assembly & Packaging: All Superior Systems loading spouts are shipped fully assembled, skidded and crated for ease of handling and rigging for installation. Export crating is available at a slight additional cost.

XIII. Guarantee: All Superior Systems loading spouts components including commercial components manufactured by others, but excluding internal product contact parts and the flexible outer sleeve, will be guaranteed for a period of 1 year against defective material or workmanship.

The flexible outer sleeve, due to its potential exposure to a variety of unusual conditions, is guaranteed for thirty (30) days.

The internal product contact parts in all applications except on P.V.C. resins, finished cement, flyash, grain products, and agricultural limes will be guaranteed for 1 year.

For applications on P.V.C. resins, finished cement, flyash, grain products, and agricultural lime, the internal product contact parts are guaranteed against excessive wear for a period of 5 years.

This guarantee is limited to the direct replacement of parts F.O.B. jobsite. Excluded is any additional liability either stated or implied.

## INLET & MOUNTING FLANGE A.S.A. STANDARD DRILLING

IN. DIA.	# HOLES	DIA.	C.C.
8	8	7/8"	11 1/4"
10	12	1"	14 1/2"
12	12	1"	17"

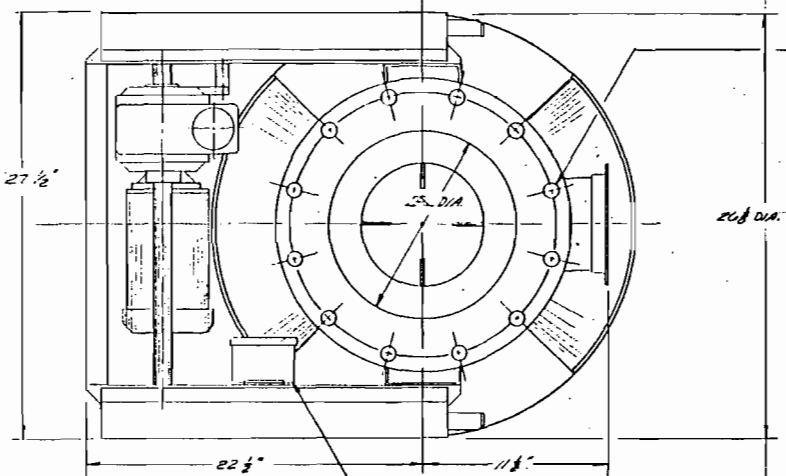
(MINIMUM)

## OPTION I NOTES S.S. SKILLED FORGED

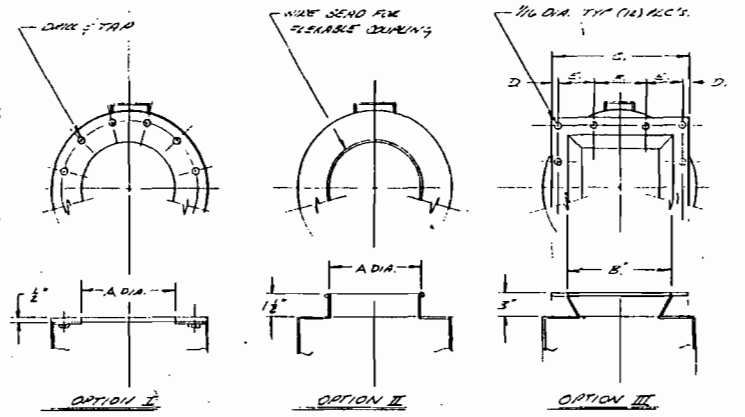
IN. DIA.	# HOLES	DIA.	C.C.
8	8	3/4"-10NC	11 1/4"
10	12	7/8"-9NC	14 1/2"
12	12	7/8"-9NC	17"

## OPTION III NOTES SCREW CONVEYOR MOUNTING

SCREW CONV. SIZE	B.	C.	D.	E.	F.
9"	10	13	1/2"	4"	4"
10"	11	14 1/2	3/8"	4 1/2"	4 1/2"
12"	13	17 1/2	1/2"	5 1/2"	5 1/2"

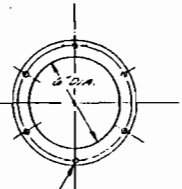
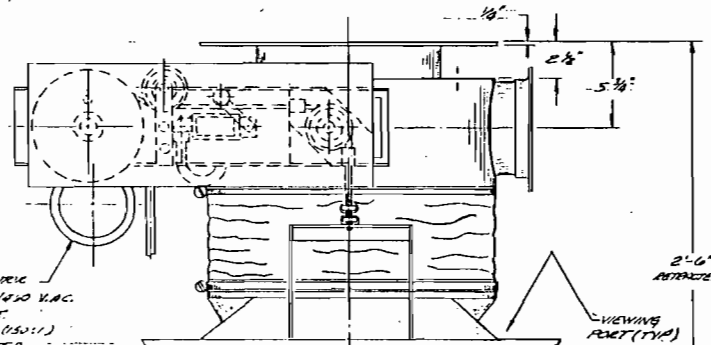


1. THESE FLANGE STUBS ARE DESIGNED TO MAKE THIS UNIT COMPATIBLE WITH EXISTING INDUSTRIAL EQUIPMENT USING A.S.A. STANDARD FLANGES.
2. MAXIMUM FLOW RATE MAP 300 FT<sup>3</sup>/MIN. HOWEVER, THIS CAN VARY IN RELATIONSHIP TO ASSOCIATED PERIPHERAL EQUIPMENT (I.E. VALVES, DUCTING, ETC.) AND INDIVIDUAL PRODUCT CHARACTERISTICS AND CLASSIFICATION.
3. THIS LOADING SPOUT SHIPPED FULLY ASSEMBLED (W/ 275°) SWAPPING W/ (300°)
4. STANDED VERTICAL TRAP 4'-0"
5. 5000 TO 1200 G.P.M. NEGATIVE A.R. IS USUALLY SUFFICIENT FOR MOST LOADING APPLICATIONS.



OPTIONAL PRODUCT INLET FLANGES

CONTROL J-SIX FACILITY W/REED.  
"UP-TRAP" LIMIT SWITCH, CONTROL PENDANT,  
"BLACK CABLE" & "FULL EXTENDED" LIMIT SWITCH



7/8 DIA. TYP (AS REC'D)  
GROUND SURFACE ON A 7 3/16 DIA. S.S.  
IDENTICAL TO CONNECTION FLANGE

CABLE HOOK MOUNT  
V.M.A. TYPE RE/1710 V.M.C.  
5042-3-30015  
SOLE DRIVER (150/1)  
SHIRT MOUNTED.

OPERATOR CONTROL  
PENDANT .N.E.M.O. 4X  
"UP" ADJUSTION.  
"DOWN" PUSH BUTTON.  
"CLOSE" "OPEN"  
PRODUCT CONTROL  
SELECTOR SWITCH.

STAINLESS STEEL  
WATER TIGHT RING.

ADJUSTABLE PRODUCT  
LEVEL SENSOR (OPTIONAL)  
LSK-300 B

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS ± 0.010 DECIMALS ± 0.005 DIMENSIONS ± 0.010 HOLE ± 0.005 DRILL ± 0.005 ON THE SCREW DRILL NEXT ASSEMBLY	<b>Superior Systems Company</b> 124 South Loop Avenue • C-Box 10 • Houston, Texas 77001 • (713) 261-0571
SCALE: NAME: CHECKED BY: DATE: DRAWN BY:	PROJECT: XP-B 62-VIEW™ LOADING SPOUT SHEET NO: 3 OF 10001

Major Facility

APPLICATION TRACKING SYSTEM

02/21/84

APPL NO:82797

APPL RECVD:02/21/84 TYPE CODE:AC SUBCODE: 11 LAST UPDATE:02/21/84

DER OFFICE RECVD:TPA DER OFFICE TRANSFER TO: 11 APPLICATION COMPLETE: 1/1

DER PROCESSOR:ESTLER

APPL STATUS:AC DATE:02/21/84 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF: CAPS (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING DISTRICT:40 COUNTY:27  
 (Y/N) N DNR REVIEW REQD? LAT/LONG: . . . / . . .  
 (Y/N) N PUBLIC NOTICE REQD? BASIN-SEGMENT: . . .  
 (Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #: \_\_\_\_\_  
 (Y/N) Y LETTER OF INTENT REQD? (I/ISSUE D/DENY) ALT#: \_\_\_\_\_

PROJECT SOURCE NAME:DRYER BAGHOUSE DUST STORAGE

STREET:CAMP ROAD, GAY CITY:BROOKSVILLE

STATE:FL ZIP:33512 PHONE: \_\_\_\_\_

APPLICATION NAME:CHEMICAL LIME, INC.

STREET:P O BOX 967 CITY:BROOKSVILLE

STATE:FL ZIP:33512 PHONE:904-787-0608

AGENT NAME:CHEM. LIME, INC.

STREET:SAME CITY: \_\_\_\_\_

STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_ PHONE: \_\_\_\_\_

FEE #1 DATE PAID:02/21/84 AMOUNT PAID:0100 RECEIPT NUMBER:00079641

B	DATE	APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - -	- - -	/ /
C	DATE	DER SENT DNR APPLICATION/SENT DNR INTENT	- - -	- - -	/ /
D	DATE	DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- .	- .	/ /
E	DATE	#1 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	- - -	/ /
E	DATE	#2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	- - -	/ /
E	DATE	#3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	- - -	/ /
E	DATE	#4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	- - -	/ /
E	DATE	#5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	- - -	/ /
E	DATE	#6 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	- - -	/ /
F	DATE	GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS	- -	- -	/ /
G	DATE	FIELD REPORT WAS REQ--REC	- - -	- - -	/ /
H	DATE	DNR REVIEW WAS COMPLETED	- - -	- - -	/ /
I	DATE	APPLICATION WAS COMPLETE	- - -	- - -	/ /
J	DATE	GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	- -	- -	/ /
K	DATE	NOTICE OF INTENT WAS SENT--REC TO APPLICANT	- - -	- - -	/ /
L	DATE	PUBLIC NOTICE WAS SENT TO APPLICANT	- - -	- - -	/ /
M	DATE	PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- -	- -	/ /
N	WAIVER	DATE BEGIN--END (DAY 90)	- - -	- - -	/ /

COMMENTS:

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

No. 79640

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Chemical Leno, Inc. Date 2-21-84

Address P.O. Box 28, Apopka, FL 32718 Dollars \$ 100.00

Applicant Name & Address Chem. Leno, Inc., P.O. Box 967, Brooksville, FL 34601

Source of Revenue same as applicant

Revenue Code 00001 Application Number AC 27-82796

By Northy Pelham

1224

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

No. 79641

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Chemical Leno, Inc. Date 2-21-84

Address P.O. Box 120, A. Apopka Dollars \$ 100.00

Applicant Name & Address Chem. Leno, Inc., P.O. Box 967, Brooksville, FL 34601

Source of Revenue same as applicant

Revenue Code 001001 Application Number AC 27-82796

By Northy Pelham

1223

79641

Major Facility

APPLICATION TRACKING SYSTEM

02/21/84

APPL NO: 82796

APPL RECVD: 02/21/84 TYPE CODE: AC SUBCODE: *10* LAST UPDATE: 02/21/84

DER OFFICE RECVD: TPA DER OFFICE TRANSFER TO: *10* APPLICATION COMPLETE: *1/1*

DER PROCESSOR: ~~ESTLER~~

APPL STATUS: AC DATE: 02/21/84 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF: *CAPS* (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING DISTRICT: 40 COUNTY: 27  
 (Y/N) N DNR REVIEW REQD? LAT/LONG: . . . / . . .  
 (Y/N) N PUBLIC NOTICE REQD? BASIN-SEGMENT: . . .  
 (Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #: \_\_\_\_\_  
 (Y/N) Y LETTER OF INTENT REQD? (I/ISSUE D/DENY) ALT#: \_\_\_\_\_

PROJECT SOURCE NAME: LOADOUTS NUMBERS 3, 4, & 5 SILO

STREET: CAMP ROAD, GAY CITY: BROOKSVILLE

STATE: FL ZIP: 33512 PHONE: \_\_\_\_\_

APPLICATION NAME: CHEMICAL LIME, INC.

STREET: P O BOX 967 CITY: BROOKSVILLE

STATE: FL ZIP: 33512 PHONE: 904-787-0608

AGENT NAME: CHEM. LIME, INC.

STREET: SAME CITY: \_\_\_\_\_

STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_ PHONE: \_\_\_\_\_

FEE #1 DATE PAID: 02/21/84 AMOUNT PAID: 0100 RECEIPT NUMBER: 00079640

B	DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - -	/ /	- - -
C	DATE DER SENT DNR APPLICATION/SENT DNR INTENT	- - -	/ /	- - - / /
D	DATE DER REG. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- .	/ /	- - -
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E	DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	/ /	- - - / /
E	DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	/ /	- - - / /
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M	DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- -	/ /	- - -
N	WAIVER DATE BEGIN--END (DAY 90)	- - -	/ /	- - - / /

COMMENTS:

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND TRANSMITTAL SLIP**

ACTION NO.

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

CAPS

INITIAL

DATE

2.

Jally

INITIAL

DATE

3.

INITIAL

DATE

4.

INITIAL

DATE

REMARKS:

DER  
FEB 29 1984  
BAQM

INFORMATION

REVIEW & RETURN

REVIEW & FILE

INITIAL & FORWARD

DISPOSITION

REVIEW & RESPOND

PREPARE RESPONSE

FOR MY SIGNATURE

FOR YOUR SIGNATURE

LET'S DISCUSS

SET UP MEETING

INVESTIGATE & REPT

INITIAL & FORWARD

DISTRIBUTE

CONCURRENCE

FOR PROCESSING

INITIAL & RETURN

FROM:

Bill Thompson

DATE

2-23-84

PHONE