

Mara Grace Nasca
District Air Program Administrator
Southwest District

September 30, 2008

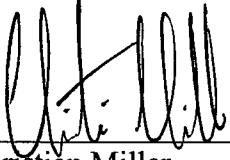
Dear Mrs. Nasca,

Enclosed is our proof of publication for Public Notice of Intent to Issue Air Permit for Consolidated Minerals, Inc. This will be published one time in the Sumter County Times Legal Advertisement section October 2, 2008. This news paper is circulated through Sumter County, in which Center Hill Fl is located.

DEP File No. 1190018-013-AC.

Please contact me with further instruction if necessary.

Sincerely,



Christian Miller
Project Manager
Consolidated Minerals, Inc.
352-360-5494
P.O. BOX 490180/Leesburg, Fl 34794-0180 USA

Dept. of Environmental
Protection
OCT 02 2008
Southwest District

Christian Miller

From: Mary Ann Naczi [mnaczi@chronicleonline.com]
Sent: Monday, September 29, 2008 3:51 PM
To: Christian Miller
Subject: RE: Public Notice of Intent to issue air permit

Christian, the cost is \$181.60 and if you want to do it with a credit card you can call me at 352-726-3983..... here is the proof.

Thanks, Mary Ann

607-1002 SCT

PUBLIC NOTICE

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 1190018-013-AC

Consolidated Minerals, Inc.

Sumter County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air permit to Consolidated Minerals, Inc. located at State Road 48 West, Center Hill, Sumter County. The permit authorizes Consolidated Minerals, Inc. to modify a limestone drying and processing facility. The modifications are for the following:

- Add a new screen (SN-2), conveyor belt (BC-5) for on-size limestone material, and an on-size limestone material outdoor stockpile associated with Emission Unit No. 007 – Fugitive Emissions from Loading Hopper (120 tons/hr) Outside the Enclosed Building.
- Add a new Emission Unit No. 009 – Fugitive Emissions from Loading Hopper (35 tons/hr.) Outside the Enclosed Building. The new emission unit will consist of a loading hopper (LH-2) and conveyor belt (BC-6).
- Establish the tons/hr. daily average material transfer rates for Emission Unit Nos. 007 and 009, which are determined each day by the number of front-end loader's buckets dumped into the loading hopper, an established constant tons of limestone material value per front-end loader bucket, and the total hours of loading into the loading hopper.
- Modify Emission Unit No. 002 – Dryer by allowing uncontrolled particulate matter emissions from the Raymond Mill and Cyclonic Air/Product Separator associated with Emission Unit No. 004 – Milling to be vented to the outlet of the dryer. Therefore, the emissions from both the dryer and Raymond Mill and Cyclonic Air/Product Separator are controlled by the dryer's baghouse (DC-1).
- Cease operation of baghouse (DC-3), which controls emissions from the Raymond Mill and Cyclonic Air/Product Separator, since the emissions will be controlled by baghouse (DC-1).
- Modify Emission Unit No. 003 – Screening by also allowing the wet (non-dried) on-size limestone material from the new conveyor belt (BC-6) associated with new Emission Unit No. 009 to enter at the end of screw conveyor (SC-2) at a maximum rate of 35 tons/hr. based on a daily average.
- Establish the wet (non-dried) on-size limestone material from Emission Unit No. 009 and the dried limestone material from the dryer may be combined at the common screw conveyor (SC-2) associated with Emission Unit No. 003 - Screening and shall not exceed a combined total limestone material input rate of 35 tons/hr. based on a daily average.
- Establish that the dried limestone material output rate from the dryer shall be considered equal to 0.88 of the wet limestone material input rate to the dryer.
- Establish that when the dryer (except for startup and shutdown) is not operating and only wet (non-dried) on-size limestone material from new Emission Unit No.

9/30/2008

009 is being received by screw conveyor (SC-2) the limestone material does not go through the Raymond Mill and Cyclonic Air/Product Separator and is only stored in Storage Silo Nos. SS-1 and SS-4.

- Increase the limestone material input rate to Emission Unit No. 004 – Milling to 35 tons/hr. based on a daily average.

- Modify Emission Unit No. 005 – Four (4) Storage Silos by allowing the limestone material from the Raymond Mill and Cyclonic Air/Product Separator to be also transferred to Storage Silo SS-4, instead of just Storage Silos SS-2 and SS-3.

- Allow any of the four (4) storage silos associated with Emission Unit No. 005 to each received limestone material at a maximum rate of 35 tons/hr. based on a daily average.

- Modify the belt conveyor (BC-3) and belt conveyor (BC-4), which are part of Emission Unit No. 008 – Fugitive Emissions from Inside the Enclosed Building, since the limestone material transfer rate for these two (2) conveyors is increased from 30.8 tons/hr. to 35 tons/hr. based on a daily average.

- Change the recordkeeping, emission testing, and emission test reporting requirements to address the changes noted above.

MAILING ADDRESS: Consolidated Minerals, Inc., 1616 South 14th Street, Leesburg, FL 34748 to the attention of Mr. Kyle Garrett, Vice President.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen days from the date of publication of this Public Notice of Intent to Issue Air Permit. Written comments should be provided to the Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;

- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

- (c) A statement of when and how the petitioner received notice of the agency decision;

- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the

application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Florida Department of Environmental Protection, Southwest District, 13051 North Telecom Parkway, Temple Terrace, Florida.

The complete project file includes the application, technical evaluations, Draft permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mara Grace Nasca, Southwest District Air Program Administrator, at 13051 North Telecom Parkway, Temple Terrace, Florida or call 813-632-7600, for additional information.

Any person may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, a copy of the permit draft, and all other materials available to the Department that are relevant to the permit decision. Additionally, the Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Permit." Requests and written comments filed should be provided to the Florida Department of Environmental Protection at 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926, to the attention of Mara Grace Nasca (phone no. 813-632-7600) referencing the DEP file number listed above. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

Published one (1) time in the Sumter County Times, Oct. 2, 2008.

-----Original Message-----

From: Christian Miller [mailto:cmiller@cmineralsinc.com]

Sent: Monday, September 29, 2008 1:36 PM

To: mnaczi@chronicleonline.com

Subject: Public Notice of Intent to issue air permit

Hello,

My name is Christian Miller and I am with Consolidated Minerals Inc, located at 1616 south 14th Street Leesburg, FL. We would like to issue the attached Public Notice to Issue Air Permit in the Sumter County Times in the legal advertisement section. We will need a newspaper affidavit for proof of publication as well. Please contact me at the number listed below.

Thank You,

Christian Miller
Consolidated Minerals Inc.
352-360-5494
cmiller@cmineralsinc.com

_____ Information from ESET NOD32 Antivirus, version of virus signature database
3480 (20080929) _____

The message was checked by ESET NOD32 Antivirus.

<http://www.eset.com>



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

NOTICE OF INTENT TO ISSUE AIR PERMIT

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Mr. Kyle Garrett, Vice President
Consolidated Minerals, Inc.
1616 South 14th Street
Leesburg, FL 34748

DEP File No. 1190018-013-AC
Sumter County

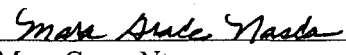
Dear Mr. Garrett:

Enclosed is one copy of the Draft air permit for the Consolidated Minerals, Inc. located at State Road 48 West, Center Hill, Sumter County. The Department's Intent to Issue Air Permit and the Public Notice of Intent to Issue Air Permit are also included.

The Public Notice of Intent to Issue Air Permit must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Southwest District Office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mara Grace Nasca, District Air Program Administrator at the above letterhead address. If you have any other questions, please contact the project engineer, Jim McDonald at 813-632-7600, ext. 106.

Sincerely,


Mara Grace Nasca
District Air Program Administrator
Southwest District

MGN/JLM/pp

Enclosures

In the Matter of an
Application for Permit by:

Mr. Kyle Garrett, Vice President
Consolidated Minerals, Inc.
1616 South 14th Street
Leesburg, FL 34748

DEP File No. 1190018-013-AC
Sumter County

INTENT TO ISSUE AIR PERMIT

The Department of Environmental Protection (Department) gives notice of its intent to issue an air permit (copy of Draft permit enclosed) for the proposed project, detailed in the application specified above for the reasons stated below.

The applicant, Consolidated Minerals, Inc., applied on April 16, 2008, to the Department for an air construction permit for its Limestone Drying and Processing Facility located at State Road 48 West, Center Hill, Sumter County. The permit authorizes Consolidated Minerals, Inc. to modify the facility as follows:

- Add a new screen (SN-2), conveyor belt (BC-5) for on-size limestone material, and an on-size limestone material outdoor stockpile associated with Emission Unit No. 007 – Fugitive Emissions from Loading Hopper (120 tons/hr) Outside the Enclosed Building.
- Add a new Emission Unit No. 009 – Fugitive Emissions from Loading Hopper (35 tons/hr.) Outside the Enclosed Building. The new emission unit will consist of a loading hopper (LH-2) and conveyor belt (BC-6).
- Establish the tons/hr. daily average material transfer rates for Emission Unit Nos. 007 and 009, which are determined each day by the number of front-end loader's buckets dumped into the loading hopper, an established constant tons of limestone material value per front-end loader bucket, and the total hours of loading into the loading hopper.
- Modify Emission Unit No. 002 – Dryer by allowing uncontrolled particulate matter emissions from the Raymond Mill and Cyclonic Air/Product Separator associated with Emission Unit No. 004 – Milling to be vented to the outlet of the dryer. Therefore, the emissions from both the dryer and Raymond Mill and Cyclonic Air/Product Separator are controlled by the dryer's baghouse (DC-1).
- Cease operation of baghouse (DC-3), which controls emissions from the Raymond Mill and Cyclonic Air/Product Separator, since the emissions will be controlled by baghouse (DC-1).
- Modify Emission Unit No. 003 – Screening by also allowing the wet (non-dried) on-size limestone material from the new conveyor belt (BC-6) associated with new Emission Unit No. 009 to enter at the end of screw conveyor (SC-2) at a maximum rate of 35 tons/hr. based on a daily average.
- Establish the wet (non-dried) on-size limestone material from Emission Unit No. 009 and the dried limestone material from the dryer may be combined at the common screw conveyor (SC-2) associated with Emission Unit No. 003 - Screening and shall not exceed a combined total limestone material input rate of 35 tons/hr. based on a daily average.
- Establish that the dried limestone material output rate from the dryer shall be considered equal to 0.88 of the wet limestone material input rate to the dryer.
- Establish that when the dryer (except for startup and shutdown) is not operating and only wet (non-dried) on-size limestone material from new Emission Unit No. 009 is being received by screw conveyor (SC-2) the limestone material does not go through the Raymond Mill and Cyclonic Air/Product Separator and is only stored in Storage Silo Nos. SS-1 and SS-4.
- Increase the limestone material input rate to Emission Unit No. 004 – Milling to 35 tons/hr. based on a daily average.

- Modify Emission Unit No. 005 – Four (4) Storage Silos by allowing the limestone material from the Raymond Mill and Cyclonic Air/Product Separator to be also transferred to Storage Silo SS-4, instead of just Storage Silos SS-2 and SS-3.
- Allow any of the four (4) storage silos associated with Emission Unit No. 005 to each received limestone material at a maximum rate of 35 tons/hr. based on a daily average.
- Modify the belt conveyor (BC-3) and belt conveyor (BC-4), which are part of Emission Unit No. 008 – *Fugitive Emissions from Inside the Enclosed Building*, since the limestone material transfer rate for these two (2) conveyors is increased from 30.8 tons/hr. to 35 tons/hr. based on a daily average.
- Change the recordkeeping, emission testing, and emission test reporting requirements to address the changes noted above.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air permit is required for this project.

The Department intends to issue this air permit based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department of Environmental Protection, 13051 N. Telecom Parkway, Temple Terrace, FL 33637-0926, (Telephone: 813-632-7600, Fax: 813-632-7668). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen days from the date of publication of Public Notice of Intent to Issue Air Permit. Written comments should be provided to the Department of Environmental Protection, 13051 N. Telecom Parkway, Temple Terrace, FL 33637-0926. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

Any person may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, a copy of the draft permit, and all other materials available to the Department that are relevant to the permit decision. Additionally, the Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Permit." Requests and written comments filed should be provided to the

Florida Department of Environmental Protection at 13051 N. Telecom Parkway, Temple Terrace, FL 33637-0926, to the attention of Mara Grace Nasca (phone no. 813-632-7600) referencing the DEP file number listed above. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Mara Grace Nasca
Mara Grace Nasca
District Air Program Administrator
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Intent to Issue Air Permit (including the Public Notice of Intent to Issue Air Permit and the Draft permit) was sent by certified mail before the close of business on 09-23-2008 to the person(s) listed:

Mr. Kyle Garrett, Vice President
Consolidated Minerals, Inc.
1616 South 14th Street
Leesburg, FL 34748

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Intent to Issue Air Permit was mailed by U.S. Mail before the close of business on 09-23-2008 to the person(s) listed:

Mr. Steven C. Cullen, P.E.
Koogler and Associates, Inc.
4014 NW Thirteen Street
Gainesville, FL 32609

Clerk Stamp

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

Patricia D. Dickett
(Clerk)

09-23-2008
(Date)

Note: An electronic version of this Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit and the Draft permit will be posted on the Division of Air Resource Management's world wide web site. The web site address is:

<http://www.dep.state.fl.us/air/eproducts/apds/default.asp>

2891 4461 0000 0510 9002

U.S. Postal Service TM
CERTIFIED MAIL TM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$

Return
(Endorsement)

Restricted
(Endorsement)

Total P

Mr. Kyle Garrett, Vice President
Consolidated Minerals Inc
1616 Wouth 14th Street
Leesburg, FL 34749-0180

1190018-013-AC Draft JM 09/23/2008

Sent To

Street, Apt. No.,
or PO Box No.

City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP File No. 1190018-013-AC
Consolidated Minerals, Inc.
Sumter County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air permit to Consolidated Minerals, Inc. located at State Road 48 West, Center Hill, Sumter County. The permit authorizes Consolidated Minerals, Inc. to modify a limestone drying and processing facility. The modifications are for the following:

- Add a new screen (SN-2), conveyor belt (BC-5) for on-size limestone material, and an on-size limestone material outdoor stockpile associated with Emission Unit No. 007 – Fugitive Emissions from Loading Hopper (120 tons/hr) Outside the Enclosed Building.
- Add a new Emission Unit No. 009 – Fugitive Emissions from Loading Hopper (35 tons/hr.) Outside the Enclosed Building. The new emission unit will consist of a loading hopper (LH-2) and conveyor belt (BC-6).
- Establish the tons/hr. daily average material transfer rates for Emission Unit Nos. 007 and 009, which are determined each day by the number of front-end loader's buckets dumped into the loading hopper, an established constant tons of limestone material value per front-end loader bucket, and the total hours of loading into the loading hopper.
- Modify Emission Unit No. 002 – Dryer by allowing uncontrolled particulate matter emissions from the Raymond Mill and Cyclonic Air/Product Separator associated with Emission Unit No. 004 – Milling to be vented to the outlet of the dryer. Therefore, the emissions from both the dryer and Raymond Mill and Cyclonic Air/Product Separator are controlled by the dryer's baghouse (DC-1).
- Cease operation of baghouse (DC-3), which controls emissions from the Raymond Mill and Cyclonic Air/Product Separator, since the emissions will be controlled by baghouse (DC-1).
- Modify Emission Unit No. 003 – Screening by also allowing the wet (non-dried) on-size limestone material from the new conveyor belt (BC-6) associated with new Emission Unit No. 009 to enter at the end of screw conveyor (SC-2) at a maximum rate of 35 tons/hr. based on a daily average.
- Establish the wet (non-dried) on-size limestone material from Emission Unit No. 009 and the dried limestone material from the dryer may be combined at the common screw conveyor (SC-2) associated with Emission Unit No. 003 - Screening and shall not exceed a combined total limestone material input rate of 35 tons/hr. based on a daily average.
- Establish that the dried limestone material output rate from the dryer shall be considered equal to 0.88 of the wet limestone material input rate to the dryer.
- Establish that when the dryer (except for startup and shutdown) is not operating and only wet (non-dried) on-size limestone material from new Emission Unit No. 009 is being received by screw conveyor (SC-2) the limestone material does not go through the Raymond Mill and Cyclonic Air/Product Separator and is only stored in Storage Silo Nos. SS-1 and SS-4.
- Increase the limestone material input rate to Emission Unit No. 004 – Milling to 35 tons/hr. based on a daily average.
- Modify Emission Unit No. 005 – Four (4) Storage Silos by allowing the limestone material from the Raymond Mill and Cyclonic Air/Product Separator to be also transferred to Storage Silo SS-4, instead of just Storage Silos SS-2 and SS-3.
- Allow any of the four (4) storage silos associated with Emission Unit No. 005 to each received limestone material at a maximum rate of 35 tons/hr. based on a daily average.

- Modify the belt conveyor (BC-3) and belt conveyor (BC-4), which are part of Emission Unit No. 008 – Fugitive Emissions from Inside the Enclosed Building, since the limestone material transfer rate for these two (2) conveyors is increased from 30.8 tons/hr. to 35 tons/hr. based on a daily average.
- Change the recordkeeping, emission testing, and emission test reporting requirements to address the changes noted above.

MAILING ADDRESS: Consolidated Minerals, Inc., 1616 South 14th Street, Leesburg, FL 34748 to the attention of Mr. Kyle Garrett, Vice President.

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The Department will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;

- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Florida Department of Environmental Protection, Southwest District, 13051 North Telecom Parkway, Temple Terrace, Florida.

The complete project file includes the application, technical evaluations, Draft permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mara Grace Nasca, Southwest District Air Program Administrator, at 13051 North Telecom Parkway, Temple Terrace, Florida or call 813-632-7600, for additional information.

Any person may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, a copy of the permit draft, and all other materials available to the Department that are relevant to the permit decision. Additionally, the Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Permit." Requests and written comments filed should be provided to the Florida Department of Environmental Protection at 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926, to the attention of Mara Grace Nasca (phone no. 813-632-7600) referencing the DEP file number listed above. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

Consolidated Minerals, Inc.
1616 South 14th Street
Leesburg, FL 34748

DRAFT Permit No.: 1190018-013-AC**County:** Sumter**Effective Date:** xx/xx/xxxx**Expiration Date:** 10/10/2010**Project:** Limestone Drying and
Processing Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-204, 62-210, 62-212, 62-213, 62-296, 62-297, and Chapter 62-4. 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:

This permit authorizes the construction modification of a synthetic non-Title V Limestone Drying and Processing Facility. The facility has synthetic particulate matter (PM) emission limitations and synthetic fuel oil usage limitations that keep the emissions of PM and sulfur dioxide below the level, which would require a Title V permit. The modifications include the following:

- Add a new screen (SN-2), conveyor belt (BC-5) for on-size limestone material, and an on-size limestone material outdoor stockpile associated with Emission Unit No. 007 – Fugitive Emissions from Loading Hopper (120 tons/hr) Outside the Enclosed Building.
- Add a new Emission Unit No. 009 – Fugitive Emissions from Loading Hopper (35 tons/hr.) Outside the Enclosed Building. The new emission unit will consist of a loading hopper (LH-2) and conveyor belt (BC-6).
- Establish the tons/hr. daily average material transfer rates for Emission Unit Nos. 007 and 009, which are determined each day by the number of front-end loader's buckets dumped into the loading hopper, an established constant tons of limestone material value per front-end loader bucket, and the total hours of loading into the loading hopper.
- Modify Emission Unit No. 002 – Dryer by allowing uncontrolled particulate matter emissions from the Raymond Mill and Cyclonic Air/Product Separator associated with Emission Unit No. 004 – Milling to be vented to the outlet of the dryer. Therefore, the emissions from both the dryer and Raymond Mill and Cyclonic Air/Product Separator are controlled by the dryer's baghouse (DC-1).
- Cease operation of baghouse (DC-3), which controls emissions from the Raymond Mill and Cyclonic Air/Product Separator, since the emissions will be controlled by baghouse (DC-1).
- Modify Emission Unit No. 003 – Screening by also allowing the wet (non-dried) on-size limestone material from the new conveyor belt (BC-6) associated with new Emission Unit No.

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- 009 to enter at the end of screw conveyor (SC-2) at a maximum rate of 35 tons/hr. based on a daily average.
- Establish the wet (non-dried) on-size limestone material from Emission Unit No. 009 and the dried limestone material from the dryer may be combined at the ^{end of the} common screw conveyor (SC-2) associated with Emission Unit No. 003 - Screening and shall not exceed a combined total limestone material input rate of 35 tons/hr. based on a daily average.
 - Establish that the dried limestone material output rate from the dryer shall be considered equal to 0.88 of the wet limestone material input rate to the dryer.
 - Establish that when the dryer (except for ~~startup~~ and shutdown) is not operating and only wet (non-dried) on-size limestone material from new Emission Unit No. 009 is being received by screw conveyor (SC-2) the limestone material does not go through the Raymond Mill and Cyclonic Air/Product Separator and is only stored in Storage Silo Nos. SS-1 and SS-4.
 - Increase the limestone material input rate to Emission Unit No. 004 – Milling to 35 tons/hr. based on a daily average.
 - Modify Emission Unit No. 005 – Four (4) Storage Silos by allowing the limestone material from the Raymond Mill and Cyclonic Air/Product Separator to be also transferred to Storage Silo SS-4, instead of just Storage Silos SS-2 and SS-3.
 - Allow any of the four (4) storage silos associated with Emission Unit No. 005 to each received limestone material at a maximum rate of 35 tons/hr. based on a daily average.
 - Modify the belt conveyor (BC-3) and belt conveyor (BC-4), which are part of Emission Unit No. 008 – Fugitive Emissions from Inside the Enclosed Building, since the limestone material transfer rate for these two (2) conveyors is increased from 30.8 tons/hr. to 35 tons/hr. based on a daily average.
 - Change the recordkeeping, emission testing, and emission test reporting requirements to address the changes noted above.

After the above modifications are completed the facility description will be as follows:

For the operation of a synthetic non-Title V Limestone Drying and Processing Facility to produce crushed stone meeting various specifications. Processing operations, in part, include hauling, drying, crushing, screening, conveying, stockpiling, and product handling. The facility has synthetic particulate matter emission limitations and synthetic fuel oil usage limitations that keep the emissions of sulfur dioxide and PM below the level, which would require a Title V permit pursuant to Chapter 62-213, F.A.C. Some portions of the facility are subject to the New Source Performance Standards (NSPS) of Title 40 Code of Federal Regulations (CFR) Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. Below is a brief description of the emission units at the facility and the emission units are further described in the facility's process flow diagrams identified as CHMO35 1/3, CHMO35 2/3, and CHMO35 3/3, which are part of the permittee's revised application dated May 28, 2008.

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PERMITTED EMISSION UNITS

Emission Unit No. 007 – Fugitive Emissions from Loading Hopper (120 tons/hr.) Outside the Enclosed Building (NSPS & non-NSPS):

Wet limestone from outdoor stockpile(s) is transferred by front-end loader to a Loading Hopper (LH-1) at a maximum rate of 120 tons/hr. based on a daily average. From the Loading Hopper (LH-1) the wet limestone is transferred to a screen (SN-2). The screen then separates the wet limestone into over-size material, under-size material, and on-size material. On-size material is transferred to a conveyor belt (BC-5), which then transfers the on-size material to an on-size material stockpile. Over-size material and under-size material from the screen are transferred onto a conveyor belt (BC-1). Conveyor belt (BC-1) then either transfers the material directly to a Feed Bin (BN-1) or Crusher (CR-01). The conveyor belt (BC-1) cannot simultaneously transfer the material to the Feed Bin (BN-1) and Crusher (CR-01).

The activities associated with this emission unit are subject to the NSPS requirements of 40 CFR 60.672(b) and (c), except for the transfer of material from limestone stockpiles to the Loading Hopper (LH-1) by front-end loaders and the transfer of material from conveyor belt (BC-5) to the on-size material stockpile, which is subject to the General Visible Emissions Standard of Rule 62-296.320(4)(b), F.A.C.

Emission Unit No. 009 – Fugitive Emissions from Loading Hopper (35 tons/hr) Outside the Enclosed Building (NSPS & non-NSPS):

Wet (non-dried) on-size limestone material from the outdoor stockpile created by conveyor belt (BC-5) associated with Emission Unit No. 007 is transferred by front-end loader to a Loading Hopper (LH-2) at a maximum rate of 35 tons/hr. based on a daily average. Loading Hopper (LH-2) then transfers the wet on-size limestone material to a conveyor belt (BC-6). Conveyor belt (BC-6) then transfers the wet on-size limestone material to the enclosed end of screw conveyor (SC-2) associated with Emission Unit No. 003 and described below.

The fugitive emissions from the front-end loaders transferring material to the Loading Hopper (LH-2) is subject to the General Visible Emission Standard of Rule 62-296.320(4)(b), F.A.C. The fugitive emissions from transferring material from the conveyor belt (BC-6) to the screw conveyor (SC-2) is subject to the NSPS requirements of 40 CFR 60.672(b). Emissions from the transfer of material from the conveyor belt (BC-6) to the screw conveyor (SC-2) are controlled by a baghouse (DC-2) associated with Emission Unit No. 003 and described below.

Emission Unit No. 002 – Dryer (non-NSPS):

From the bottom of the Feed Bin (BN-1), which has its bottom portion inside a partially enclosed building, the wet limestone is transferred first to Feed Table (TF-1), which is part of Emission Unit No. 008 as described below. From the Feed Table the wet limestone is transferred to a dryer (DR-1) via a

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hopper at a maximum wet limestone material input rate of 35 tons/hr. based on a daily average. The dried limestone material output rate of the dryer is considered 0.88 of the wet limestone material input rate, such that the maximum dried limestone material output rate is 30.8 tons/hr. based on a daily average. Emissions from a Raymond Mill (RM-1) and Cyclonic Air/Product Separator, associated with Emission Unit No. 004 – Milling, are vented to the dryer's outlet. The dryer, Raymond Mill (RM-1), and Cyclonic Air/Product Separator operate simultaneously when limestone material is being dried in the dryer.

New No. 4 Fuel Oil (or better grade) or natural gas is used to fire the dryer at a maximum heat input rate of 85 MMBTU/hr. The maximum sulfur content of the fuel oil is 0.50% by weight. Liquified Petroleum Gas (Propane) is used as an ignition fuel for startup of the dryer. For each ignition attempt, propane is ignited at a rate of 250,000 BTU/hour for a maximum of 20 seconds.

Emissions from the dryer's outlet, which includes the emissions from the Raymond Mill (RM-1) and Cyclonic Air/Product Separator, are controlled by a Sly, Inc., Model STJ-2817-12, baghouse designated as DC-1 with a design airflow rate of 35,000 acfm. The baghouse's captured particulate is transferred to Storage Silo SS-3, which is part of Emission Unit No. 005 and described below.

As requested by the permittee in the application dated August 9, 2005, the requested maximum allowable particulate emissions from the dryer are stricter than Rule 62-296.320(4)(a), F.A.C. – Process Weight Table. Since the nature of this process does not allow the dryer to operate below the process input rate of 2.2 tons/hr., which is where the allowable emissions from the process weight table would be more stringent than the permittee's requested emission limitations, Rule 62-296.320(4)(a), F.A.C. is considered not applicable. Visible emissions from the dryer are subject to Rule 62-296.320(4)(b), F.A.C. – General Visible Emissions Standard. The permittee's application dated May 28, 2008, requests the dryer's allowable emissions from the baghouse (DC-1) to be applicable when the Raymond Mill (RM-1) and Cyclonic Air/Product Separator are also operating.

Based on the permittee's requested particulate matter emission limitation and fuel oil usage limitation to avoid the Title V permitting requirements of Chapter 62-213, F.A.C., emissions of the pollutants particulate matter and sulfur dioxide emissions are considered synthetically limited.

Emission Unit No. 003 – Screening (NSPS) (w/Truck Loading & Optional Milling – see descriptions below):

Dried limestone material from the dryer (DR-1) at a maximum rate of 30.8 tons/hr. based on daily average, along with oversized limestone material from the shaker screen (SN-1) that is screw conveyed (SC-3) and crushed via crusher (CR-02), are placed on a screw conveyor (SC-2). Screw conveyor (SC-2) deposits the limestone material into a bucket elevator (BE-1). The bucket elevator (BE-1) then delivers the limestone material to the shaker screen (SN-1).

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The shaker screen (SN-1) is a triple-deck screening system. Oversized limestone material that does not pass through the first screen from the shaker screen (SN-1) either goes to a screw conveyor (SC-3) and gets crushed via crusher (CR-02) or is stored in a feed bin (BN-2). If the oversized limestone material is sent to the crusher, it gets sent back to the shaker screen (SN-1) via a screw conveyor (SC-2) and bucket elevator (BE-1). If the oversized limestone material is sent to the feed bin (BN-2), then the limestone material is fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1) for the mill (RM-1) (a.k.a., Raymond Mill) & cyclonic air/product separator (CY-1). The mill (RM-1) and a cyclonic air/product separator (CY-1) are designated as Emission Unit No. 004 and described below.

Limestone material that does not pass the second screen of the shaker screen (SN-1) is either deposited in a feed bin (BN-2) with some of the oversized limestone material or deposited on a belt conveyor (BC-4). If this limestone material is deposited into the feed bin (BN-2), then the limestone material is fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1) for the Raymond Mill (RM-1). If the limestone material is deposited onto a belt conveyor (BC-4), then it is dropped into a bucket elevator (BE-2), which deposits the limestone material into a storage silo (SS-1) for truck load out. Storage silo SS-1 and 3 additional storage silos (SS-2, SS-3, SS-4) are designated as Emission Unit No. 005 and the truck loading activities are designated as Emission Unit No. 006, which are both described below.

Limestone material that does not pass the third screen of the shaker screen (SN-1) is deposited into the product line (LL-3) and blown (BL-5) into a storage silo (SS-4) for truck load out (LS-1) or can also go to the feed bin (BN-2).

Limestone material that passes all three screens of the shaker screen (SN-1) is deposited into the feed bin (BN-2) and fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1).

Wet (non-dried) on-size limestone material from Emission Unit No. 009 is transferred to the end of the same screw conveyor (SC-2) that receives dried limestone material from the dryer associated with Emission Unit No. 002.

When the wet (non-dried) on-size limestone material from Emission Unit No. 009 and the dried limestone material from the dryer are simultaneously transferred to the end of the screw conveyor (SC-2) the maximum total combined limestone material transfer rate is 35 tons/hr. based on a daily average. In this operating scenario, the combined limestone material is transferred (processed) the same as when only dried limestone material from the dryer is received by the screw conveyor (SC-2) and described above.

When only the wet (non-dried) on-size limestone material from Emission Unit No. 009 is transferred to the end of the screw conveyor (SC-2) at a maximum rate of 35 tons/hr. based on a daily average, the wet (non-dried) on-size limestone material is transferred to the shaker screen (SN-1), but not through the feed bin (BN-2), conveyor belt (BC-3), rotary feeder (VF-1), Raymond Mill (RM-1), and Cyclonic Air/Product Separator (CY-1). In this operating scenario, the wet (non-dried) on-size limestone material from the shaker screen (SN-1) is transferred to the belt conveyor (BC-4), bucket elevator (BE-2), and storage silo SS-1 and/or to storage silo SS-4.

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Particulate matter emissions from the screw conveyor (SC-2), bucket elevators (BE-1 & BE-2), belt conveyors (BC-3 and BC-4), feed bin (BN-2), and shaker screen (SN-1) are captured by a dust collector (DC-2).

Dust collector (DC-2) is a Sly, Inc., Model STJ-1315-10, baghouse with a design airflow rate of 12,800 acfm. The baghouse's captured particulate matter is transferred to Storage Silo SS-3, which is part of Emission Unit No. 005 and described below. Note, the emissions from the mill (RM-1) & cyclonic air/product separator (CY-1) are vented to the outlet of the dryer and is controlled by baghouse DC-1. Emissions from the truck loading activities associated with Emission Unit No. 006 described below are also controlled by baghouse DC-2.

When any of the activities controlled by baghouse DC-2 are operating, even if the Screening and Truck Loading are each operating alone, the emissions from baghouse DC-2 are subject to the emission limitations of 40 CFR 60.672(a).

Emission Unit No. 004 – Milling (non-NSPS):

Limestone material from a feed bin (BN-2) is transferred by a belt conveyor (BC-3) and then to a variable speed rotary feeder (VF-1). The rotary feeder feeds a non-NSPS mill (a.k.a. Raymond Mill) (RM-1) at a maximum limestone material input rate of 35 tons/hr. based on a daily average. The limestone material input rate is based on the total combined (if applicable) limestone material input rate to the screw conveyor (SC-2) associated with Emission Unit No. 003 – Screening. Limestone material from the mill (RM-1) is then transferred to a cyclonic air/product separator (CY-1). Air from the cyclonic air/product separator (CY-1) is routed back to the mill (RM-1) which vents to the dryer's outlet, and controlled by the common baghouse DC-1. The limestone material from the cyclonic air/product separator is transferred by a common enclosed pipe to storage silos SS-2, SS-3, or SS-4, but to only one (1) storage silo at any one time.

As described in Emission Unit No. 002 above, based on the permittee's requested allowable particulate matter emission limitation to avoid the Title V permitting requirements of Chapter 62-213, F.A.C., emissions of the pollutant particulate matter is considered synthetically limited.

Emission Unit No. 005 – Four (4) Storage Silos (NSPS):

This emission unit consists of four (4) limestone storage silos and other miscellaneous activities as described below. The silos are designated Storage Silos SS-1 (west), SS-2 (middle), SS-3 (east), and SS-4 (south). All four silos are controlled by a common Sly, Inc., Model STJ-88-10, baghouse with a design airflow rate of 6,000 acfm. This baghouse is designated as baghouse DC-4. Storage Silos SS-1, SS-2, and SS-3 are of similar size and were constructed prior to the applicability date of August 31, 1983, for the New Source Performance Standards (NSPS) of 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. Storage Silo SS-4, which has a smaller storage capacity than the other three (3) storage silos, is subject to the requirements of the New Source

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Performance Standards (NSPS) of 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants and is located on the south side of Silo SS-2. Because all four storage silos have a common baghouse, all the activities associated with this emission unit and the emissions from baghouse DC-4 are at all times subject to the particulate matter and visible emission limitations of 40 CFR 60.672(g). Note, 40 CFR 60.672(g) refers to the limitations in 40 CFR 60.672(a).

Storage Silo SS-1 (west): This silo only receives limestone material from Bucket Elevator (BE-2). The emissions during the filling of the silo are vented to Storage Silo SS-2, which then vents to Storage Silo SS-3.

Storage Silo SS-2 (middle): This silo receives limestone material that has passed through the cyclonic air/product separator (CY-1). The emissions during the filling of this silo are vented to Storage Silo SS-3.

Storage Silo SS-3 (east): This silo receives limestone material that has passed through the cyclonic air/product separator (CY-1) along with following:

- Captured particulates from baghouses DC-1, DC-2, and DC-4; and
- Emissions during the filling of Storage Silos SS-1, SS-2, and SS-4.

Storage Silo SS-4 (south): This silo only receives limestone material directly from the shaker screener (SN-1) when the rotary dryer is not operating. If the rotary dryer is operating, then this storage silo may receive limestone material from the shaker screen (SN-1) and/or cyclonic air/product separator (CY-1). The emissions during the filling of the silo are vented to Storage Silo SS-2, which then vents to Storage Silo SS-3.

All four (4) storage silos may each receive a limestone material at a maximum transfer rate of 35 tons/hr. based on a daily average. The limestone material transfer rate is based on the total combined (if applicable) limestone material rate at the end of the screw conveyor (SC-2) associated with Emission Unit No. 003 – Screening.

Emission Unit No. 006 – Truck Loading Operations (NSPS):

Dried limestone material (product) from Storage Silos SS-1, SS-2, SS-3, and SS-4 is transferred to a truck loading station where only one (1) truck at any one time may be loaded. Trucks are loaded at the maximum loading rate of 108 tons/hr. (based on the actual filling time of the truck divided by the actual loading time of the truck).

Emissions from loading the trucks are controlled by a Sly, Inc., Model STJ-1315-10, baghouse designated as DC-2 with a design airflow rate of 12,800 acfm. The baghouse's captured particulate matter is transferred to Storage Silo SS-3, which is part of Emission Unit No. 005 and described above. This baghouse also controls emissions from Emission Unit No. 003 – Screening and described above.

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As mentioned in Emission Unit No. 003 above, when any of the activities controlled by baghouse DC-2 are operating, even if the Screening and Truck Loading are each operating alone, the emissions from baghouse DC-2 are subject to the emissions limitations of 40 CFR 60.672(a).

During the loading of trucks, "dust oil" may be added to the granular product from only storage silo SS-1 at an approximate rate of 0.75 lbs. per ton of product loaded.

Emission Unit No. 008 – Fugitive Emissions from Inside the Enclosed Building (NSPS):

This emission unit consists of fugitive source emissions from inside an enclosed building. Although the building is able to operate in an enclosed configuration, the facility normally operates with various garage door size type openings in the open position. Fugitive sources inside the building include the Crusher (CR-02), Feed Bin (BN-1) to the Feed Table (TF-1), belt conveyor (BC-3), and belt conveyor (BC-4).

Emissions from the fugitive sources are subject to 40 CFR 60.672(e)(1).

Exempt Emission Source(s):

The emissions from the following emission sources at this facility are deemed insignificant and exempt from permitting:

- Fuel Oil Tank, pursuant to Rule 62-210.300(3)(b)1., F.A.C.

Facility Information Summary

Location: State Road 48 West, Center Hill

UTM Coordinates: 17-401.50E 3169.50N

Latitude: 28°39'20" North

Longitude: 82°00'35" West

Facility ID No.: 1190018

Emission Unit ID Nos.: 002 – Dryer

003 – Screening (w/Truck Loading & Optional Milling)

004 – Milling

005 – Four Storage Silos

006 – Truck Loading Operations

007 – Fugitive Emissions from Loading Hopper (120 tons/hr.) Outside the
Enclosed Building

008 – Fugitive Emissions from Inside the Enclosed Building

009 – Fugitive Emissions from Loading Hopper (35 tons/hr.) Outside the
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NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

Permit History

Modifies Construction Permit 1190018-012-AC and Operation Permit 1190018-011-AO

Attachments to this permit:

- General Conditions, version dated 11/1/2005
- ATTACHMENT NSPS - New Source Performance Standards (NSPS) of Title 40 Code of Federal Regulations (CFR) Part 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
- GENERAL PROVISIONS – Title 40 Code of Federal Regulations, Subpart A

SPECIFIC CONDITIONS:

The following conditions apply facility-wide:

1. General Conditions: A part of this permit is the attached 15 General Conditions.
[Rule 62-4.160, F.A.C.]
2. Other Requirements: Issuance of this permit does not relieve the permittee from complying with the applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. or any other requirement under federal, state, or local law.
[Rule 62-210.300, F.A.C.]
3. General Visible Emission Limitation: Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
4. Hours of Operation: The emission units/activities at this facility are permitted to operate continuously, 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

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5. Reasonable Precautions for Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing and handling. Reasonable precautions include the following:

- A. Paving and maintenance of roads, parking areas and yards.
- B. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- C. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar emission units.
- D. Removal of particulate matter from roads and other paved areas under the control of the permittee of the emissions unit to prevent re-entrainment, and from buildings or work areas to prevent particulate matter from becoming airborne.
- E. Landscaping or planting of vegetation.
- F. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- G. Confining abrasive blasting where possible.
- H. Enclosure or covering of conveyor systems.

[Rules 62-296.320(4)(c)1. and 3., F.A.C.; Construction Permit 1190018-012-AC]

6. Reasonable Assurance: In order to provide reasonable assurance that the precautions and practices required in Specific Condition No. 5 are adequate, emissions of unconfined particulate matter from the non-process emission sources should not exceed 10 percent opacity. Exceedance of this limit shall not be considered a violation in and of itself, but an indication that additional control precautions and/or practices may be necessary.

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190018-012-AC]

7. Recordkeeping Requirements: Daily records required by this permit shall be completed within 5 business days and monthly records shall be completed by the 15th day of the following month. All records required by this permit should be maintained at the facility for a period of two (2) years following the date of such record and made available to the Department upon request.

[Rule 62-4.070(3), F.A.C. and 40 CFR 60.7(f); Construction Permit 1190018-012-AC]

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8. Excess Emissions: Excess emissions resulting from startup, shutdown, or malfunction are permitted providing: (1) best operational practices to minimize emissions are adhered to and; (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In case of excess emissions resulting from malfunctions, the permittee shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

{Permitting Note: This rule cannot vary any requirement of an applicable NSPS.}
[Rule 62-210.700, F.A.C.]

9. Special Testing Requirement: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of the said tests to the Department.

[Rule 62-297.310(7)(b), F.A.C.]

10. Annual Operating Report Requirement: On or before April 1 of each year, submit to the Air Compliance Section of the Department's Southwest District Office, an Annual Operating Report [DEP Form No. 62-210.900(5)] for the preceding calendar year. **Note, the annual operating report for calendar year 2008, shall be submitted by May 1, 2009.** The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be submitted.

[Rule 62-210.370(3)(a)2., F.A.C.]

11. Operating Permit Application Revision: An application to revise the current operating permit shall be submitted to the Air Permitting Section of the Department's Southwest District Office within 45 days of **each** initial emission test(s) for Emission Unit Nos. 002, 003, 004, 005, 006, 007, 008, and 009 required by this permit or at least 180 days prior to the expiration date of this permit, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the following:

- A. A copy of the applicable initial emission test report(s) for the emission unit(s) required by Specific Condition Nos. A.5., B.4., C.9., D.6., E.6., F.6., and G.7., if not previously submitted.
- B. The appropriate Department application form [see Rule 62-210.900, F.A.C. (Forms and Instructions)];
- C. The appropriate operation permit application fee pursuant to Rule 62-4.050, F.A.C.;

[Rules 62-4.050, 62-4.070(3), 62-210.300(2), 62-210.900 and 62-297.310(7), F.A.C.]

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The following conditions apply to the Fugitive Emissions from Loading Hopper (120 tons/hr.) Outside the Enclosed Building (NSPS & non-NSPS) - Emission Unit No. 007:

A.1. Permitted Capacity: The maximum transfer rate of wet limestone material is 120 tons/hr. based on a daily average. The front-end loader used to place the wet limestone material into the loading hopper shall weigh at least five (5) buckets at a representative maximum capacity with wet limestone material that would be placed in the loading hopper. The average weight of the buckets, in tons, together with the number of bucket loads into the loading hopper shall then be used to determine the daily average hourly transfer rate in tons/hr. In addition, the front-end loader's bucket that will be used to place wet limestone material into the loading hopper shall be designated as the only one used for the loading hopper. If a different or alternate sized bucket is used, a new average shall be determined and noted in the facility's records/logs.

[Rule 62-210.200(PTE), F.A.C.]

A.2. Operational Limitations: The conveyor belt (BC-1) either transfers the limestone directly to Feed Bin (BN-1) or Crusher (CR-01). The conveyor belt (BC-1) cannot simultaneously transfer the limestone to the Feed Bin (BN-1) and Crusher (CR-01).

[Rule 62-210.200(PTE), F.A.C.]

A.3. Visible Emissions Limitations: The fugitive emissions from the emission points are limited as follows:

| Emission Point No. | Brief Description | Max.VE Limit (% Opacity) |
|--------------------|--|--------------------------|
| 1 | Material from outdoor stockpile(s) transferred by front-end loader(s) to Loading Hopper (LH-1) | <20* |
| 2 (deleted) | Loading Hopper (LH-1) to Conveyor Belt (BC-1) | 10** |
| 3 | Conveyor Belt (BC-1) to Feed Bin (BN-1) | 10** |
| 4 | Conveyor Belt (BC-1) to Crusher (CR-01) | 15*** |
| 5 | Crusher (CR-01) to Feed Bin (BN-1) | 15*** |
| 6 | Loading Hopper (LH-1) to Screen (SN-2) | 10** |
| 7 | Screen (SN-2) over-size material and under-size material to Conveyor Belt (BC-1) | 10** |
| 8 | Loading Hopper (LH-1) on-size material to Conveyor Belt (BC-5) | 10** |
| 9 | Conveyor Belt (BC-5) to on-size material outdoor stockpile | <20* |

[Rule 62-296.320(4)(b), F.A.C.* and 40 CFR 60.672(b)** and (c)***]

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A.4. Recordkeeping Requirements: The permittee at a minimum shall record the following:

- A. Date
- B. Total number bucket loads placed in the loading hopper (LH-1);
- C. Default bucket transfer rate, in tons, and identification of the bucket used;
- D. Total material (in tons) transferred (loaded), in tons;
- E. Daily operating transfer hours along with the time of first placing limestone material into the loading hopper (LH-1) to the last time of placing limestone material into the loading hopper (LH-1). The first and last times shall each be indicated;
- F. Daily, calculate the average hourly transfer rate (tons/hr.);
- G. Monthly, provide the most recent consecutive 12-month period total of operating (transferring) hours;
- H. Monthly, provide the most recent consecutive 12-month period total for the amount of limestone material transferred in tons;
- I. Type of Maintenance Performed;
- J. Comments
- K. Operator's signature.

[Rule 62-4.070(3), F.A.C.]

A.5. Visible Emission Test Frequency Requirements: Emission Point Nos. 3, 4, 5, 6, 7, and 8 shall **each** be initially tested for visible emissions within 60 days after the initial startup date of the screen (SN-2) and annually thereafter during each federal fiscal year (October 1 – September 30). {Permitting Note: Visible emission testing for Emission Point Nos. 1 and 9 are not required to conduct regular scheduled testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation.}

[Rule 62-297.310(7), F.A.C. and 40 CFR 60.8(a)]

A.6. Visible Emission Testing Requirement: Visible emission testing shall comply with the following:

- A. Testing shall be conducted when wet limestone material is being transferred to loading hopper (LH-1) within 90-100% of the maximum permitted transfer rate of 120 tons/hr. If it is

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impracticable to test within 90-100% of the maximum permitted transfer rate (permitted capacity), an emission unit may be tested at less than the maximum permitted capacity; in this case, subsequent emission unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. The test report shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Acceptance of the test report by the Department shall constitute an amended maximum permitted transfer rate at the higher tested rate plus 10%, but not greater than 120 tons/hr.

- B. Each visible emission test shall be conducted in accordance with EPA Method 9, contained in 40 CFR 60, Appendix A, which is adopted and incorporated by reference in Rule 62-204.800(8), F.A.C. [40 CFR 60.675(c)(1)]
- C. The minimum distance between the observer and the emission source shall be 15 feet. [40 CFR 60.675(c)(1)(i)]
- D. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. [40 CFR 60.675(c)(1)(ii)]
- E. Regarding the initial visible emission tests:
 - 1. Emission Point Nos. 3, 6, 7, and 8: The duration of each visible emission test may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
 - a. There are no individual readings greater than 10 percent opacity; and
 - b. There are no more than 3 readings of 10 percent for the 1-hour period.[40 CFR 60.675(c)(3)]
 - 2. Emission Point Nos. 4 and 5: The duration of the test visible emission test may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
 - a. There are not individual readings greater than 15 percent opacity; and
 - b. There are no more than 3 readings of 15 percent for the 1-hour period.[40 CFR 60.675(c)(4)]

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- F. Regarding visible emission testing after the initial tests: Each subsequent annual visible emission test shall be at least 30 minutes in duration. [Rule 62-297.310(4), F.A.C.]
- G. If emissions from two or more of Emission Point Nos. 3, 4, 5, 6, 7, and 8 cannot be read, either of the following procedures may be used:
1. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the emission points contributing to the emission stream.
 2. Separate the emissions so that the opacity of emissions from each emission point can be read.

[40 CFR 60.675(e)(1)]

[Rules 62-204.800(8), 62-297.310(4) and 62-297.401, F.A.C.]

A.7. Test Report Requirements: Visible emission test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Attach to each test report the following:

- A. The **actual** transfer rate of wet limestone material during the test period.
- B. A copy of the records as required by Specific Condition No. A.4. for the month the test was conducted.

Failure to include the above information with any test report may invalidate the test.
[Rule 62-297.310(8), F.A.C.]

A.8. Test Notifications: The permittee shall comply with the following:

- A. For each initial visible emission tests: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 30 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- B. For each annual visible emission test after the initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[40 CFR 60.7(a)(6) and Rule 62-297.310(7)(a)9., F.A.C.]

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A.9. Other Notification Requirements: The permittee shall provide written notification to the Air Compliance Section of the Department's Southwest District Office as follows:

- A. The date construction of the screen (SN- 2) is commenced, postmarked no later than 30 days after such date.
[40 CFR 60.7(a)(1)]
- B. The actual date of initial startup of the screen (SN-2), postmarked within 15 days after such date.
[40 CFR 60.7(a)(3)]

The following conditions apply to Fugitive Emissions from Loading Hopper (35 tons/hr.) Outside the Enclosed Building (NSPS & non-NSPS) – Emission Unit No. 009:

B.1. Permitted Capacity: The maximum transfer rate of wet limestone material from the outdoor on-size limestone material stockpile to loading hopper (LH-2) is 35 tons/hr. based on a daily average. The front-end loader used to place the wet limestone material into the loading hopper shall weigh at least five (5) buckets at a representative maximum capacity with wet limestone material that would be place in the loading hopper. The average weight of the buckets, in tons, together with the number of bucket loads into the loading hopper shall then be used to determine the daily average hourly transfer rate in tons/hr. In addition, the front-end loader's bucket that will be used to place wet limestone material into the loading hopper shall be designated as the only one used for the loading hopper. If a different or alternate sized bucket is used, a new average shall be determined and noted in the facility's records/logs.
[Rule 62-210.200(PTE), F.A.C.]

B.2. Visible Emissions Limitations: The fugitive emissions from the emission points are limited as follows:

| Emission Point No. | Brief Description | Max. VE Limit (% Opacity) |
|--------------------|---|---------------------------|
| 1 | Material from outdoor on-size storage pile(s) transferred by front-end loader(s) to Loading Hopper (LH-2) | <20* |
| 2 | Loading Hopper (LH-2) to Conveyor Belt (BC-6) | 10** |

[Rule 62-296.320(4)(b), F.A.C.* and 40 CFR 60.672(b)**]

B.3 Recordkeeping Requirements: The permittee at a minimum shall record the following:

- A. Date
- B. Total number bucket loads placed in the loading hopper (LH-2);
- C. Default bucket transfer rate, in tons, and identification of the bucket used;

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- D. Total material (in tons) transferred (loaded), in tons;
- E. Daily operating transfer hours along with the time of first placing limestone material into the loading hopper (LH-2) to the last time of placing limestone material into the loading hopper (LH-2). The first and last times shall each be indicated.;
- F. Daily, calculate the average hourly transfer rate (tons/hr.);
- G. Monthly, provide the most recent consecutive 12-month period total of operating (transferring) hours;
- H. Monthly, provide the most recent consecutive 12-month period total for the amount of limestone material transferred in tons;
- I. Type of Maintenance Performed;
- J. Comments
- K. Operator's signature.

[Rule 62-4.070(3), F.A.C.]

B.4. Visible Emission Test Frequency Requirements: Emission Point No. 2 shall be initially tested for visible emissions within 60 days after the initial startup date of Loading Hopper (LH-2) and annually thereafter during each federal fiscal year (October 1 – September 30). {Permitting Note: Visible emission testing for Emission Point No. 1 is not required to conduct regular scheduled testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation.}

[Rule 62-297.310(7), F.A.C. and 40 CFR 60.8(a)]

B.5. Visible Emission Testing Requirement: Visible emission testing shall comply with the following:

- A. Testing shall be conducted when wet limestone is being transferred to loading hopper (LH-2) within 90-100% of the maximum permitted transfer rate of 35 tons/hr. If it is impracticable to test within 90-100% of the maximum permitted transfer rate (permitted capacity), an emission unit may be tested at less than the maximum permitted capacity; in this case, subsequent emission unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. The test report shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Acceptance of

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the test report by the Department shall constitute an amended maximum permitted transfer rate at the higher tested rate plus 10%, but not greater than 35 tons/hr.

- B. Each visible emission test shall be conducted in accordance with EPA Method 9, contained in 40 CFR 60, Appendix A, which is adopted and incorporated by reference in Rule 62-204.800(8), F.A.C. [40 CFR 60.675(c)(1)]
- C. The minimum distance between the observer and the emission source shall be 15 feet. [40 CFR 60.675(c)(1)(i)]
- D. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. [40 CFR 60.675(c)(1)(ii)]
- E. Regarding the initial visible emission test for Emission Point No. 2: The duration of the visible emission test may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
 - 1. There are no individual readings greater than 10 percent opacity; and
 - 2. There are no more than 3 readings of 10 percent for the 1-hour period.[40 CFR 60.675(c)(3)]
- F. Regarding visible emission testing after the initial test for Emission Point No. 2: Each subsequent annual visible emission test shall be at least 30 minutes in duration. [Rule 62-297.310(4), F.A.C.]

[Rules 62-204.800(8), 62-297.310(4) and 62-297.401, F.A.C.]

B.6. Test Report Requirements: Visible emission test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Attach to each test report the following:

- A. The **actual** transfer rate of wet on-size limestone material during the test period.
- B. A copy of the records as required by Specific Condition No. B.3. for the month the test was conducted.

Failure to include the above information with any test report may invalidate the test.
[Rule 62-297.310(8), F.A.C.]

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B.7. Test Notifications: The permittee shall comply with the following:

- A. For the initial visible emission test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 30 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- B. For the annual visible emission tests after the initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[40 CFR 60.7(a)(6) and Rule 62-297.310(7)(a)9., F.A.C.]

B.8. Other Notification Requirements: The permittee shall provide written notification to the Air Compliance Section of the Department's Southwest District Office as follows:

- A. The date construction of loading hopper (LH-2) is commenced, postmarked no later than 30 days after such date.
[40 CFR 60.7(a)(1)]
- B. The actual date of initial startup of loading hopper (LH-2), postmarked within 15 days after such date.
[40 CFR 60.7(a)(3)]

The following conditions apply to the Dryer (non-NSPS) - Emission Unit No. 002:

C.1. Permitted Capacity: The wet limestone material transfer (process) **input** rate to the dryer shall not exceed the following:

- A. 35 tons/hr. based on a daily average.
- B. 306,600 tons per any consecutive 12-month period.

[Rule 62-210.200 (PTE), F.A.C.; Construction Permit 1190018-012-AC]

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C.2. Methods of Operation: The dryer is fired with the following fuels:

- A. New No. 4 fuel oil or better grade (new Nos. 1, 2, or 3 fuel oils).
- B. Natural gas.
- C. Liquid Petroleum Gas (Propane) may be used as an ignition fuel for startup of the dryer. For each ignition attempt, propane is ignited at a rate of approximately 250,000 BTU/hr. for a maximum of 20 seconds.

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

C.3. Operational Limitations: The dryer shall comply with the following:

- A. The dryer shall be fired with new fuel oil or natural gas at a maximum heat input rate of 85 MMBTU/hr. based on a monthly average. (Permitting Note: This equates to a maximum fuel oil usage rate of 582 gallons/hr. based on the heat content value of 146,000 BTU's per gallon of fuel oil and 0.081 MMcf/hr. of natural gas based on the heat content value of 1050 MMBTU/MMcf.)
- B. In order to synthetically limit the sulfur dioxide emissions below the Title V permitting requirements of Chapter 62-213, F.A.C., the new fuel oil for the dryer:
 - 1. Shall have a maximum sulfur content of 0.50% by weight at all times including periods of startup, shutdown, and malfunctions.
 - 2. Shall not exceed a usage rate of 2,620,000 gallons per any consecutive 12-month period.

{Permitting Note: These limitations equate to maximum sulfur dioxide emissions of 43.65 lbs./hr. and 98.25 tons/yr.}

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

C.4. Additional Operational Requirements: Regarding this emission unit:

- A. The outlet of the dryer receives emissions from Raymond Mill (RM-1) and Cyclonic Air/Product Separator (CY-1), which are part of Emission Unit No. 004.
- B. Whenever the dryer (except for ~~startup and~~ shutdown) is drying limestone material the Raymond Mill (RM-1) and Cyclonic Air/Product Separator shall also be operating.
- C. The dryer's output process (transfer) rate of dried limestone transferred to the screw conveyor (SC-2) described in Emission Unit No. 003 below is considered to be a constant tons/hr. rate of 0.88 times the wet limestone material process input rate to the dryer. Therefore, the maximum dried limestone material output rate of the dryer is 30.8 tons/hr. based on a daily average.

[Rule 62-210.200(PTE), F.A.C.; Permittee's revised application dated May 28, 2008]

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C.5. Particulate Matter Emission Limitations: Particulate matter emissions from the dryer's baghouse (DC-1) shall not exceed the following:

- A. 0.04 gr/dscf
- B. 5.84 lbs./hr.
- C. 25.6 tons/yr.

The maximum allowable particulate emissions from the dryer are stricter than Rule 62-296.320(4)(a), F.A.C. – Process Weight Table. Since the nature of this process does not allow the dryer to operate below the process input rate of 2.2 tons/hr., which is where the allowable emissions from the process weight table would be more stringent than the permittee's requested emission limitations, Rule 62-296.320(4)(a), F.A.C. is considered not applicable. Visible emissions from the dryer are subject to Rule 62-296.320(4)(b), F.A.C. – General Visible Emissions Standard. The permittee's application dated May 28, 2008, requests the dryer's allowable emissions from the baghouse (DC-1) to be applicable when the Raymond Mill (RM-1) and Cyclonic Air/Product Separator are also operating. [Rule 62-210.200(PTE), F.A.C.; Requested by permittee in the applications dated August 9, 2005 and May 28, 2008]

C.6. Visible Emissions Limitation: Visible emissions from the dryer's baghouse (DC-1) shall not be equal to or exceed 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.]

C.7. Recordkeeping Requirements: The permittee at a minimum shall record the following:

DAILY

- A. The hours of transferring wet limestone to the dryer.
- B. The amount of wet limestone transferred to the dryer in tons.
- C. The daily average wet limestone transfer rate to the dryer in tons/hr.
- D. The pressure drop across baghouse (DC-1) in inches of water.

MONTHLY

- E. The total hours of transferring wet limestone to the dryer.
- F. The most recent consecutive 12-month period total hours of transferring wet limestone to the dryer.

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- G. The total amount of wet limestone transferred to the dryer in tons.
- H. The most recent consecutive 12-month period total tons of wet limestone transferred to the dryer.
- I. The total amount of fuel oil used to fire the dryer in gallons.
- J. The most recent consecutive 12-month period total gallons of fuel oil used to fire the dryer.
- K. The total amount of natural gas used to fire the dryer in cubic feet.
- L. The most recent consecutive 12-month period total cubic feet of natural gas used to fire the dryer.
- M. The most recent consecutive 12-month period total gallons of propane received to fire the dryer.
- N. The total monthly average heat input rate of fuel oil and natural gas to the dryer in MMBTU/hr.

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190018-012-AC]

C.8. Fuel Oil Sulfur Content Determination: The permittee shall for each tanker truck delivery of new fuel oil have a vendor's supplied certification that the fuel oil delivered does not exceed a maximum sulfur content of 0.50% by weight. The certification shall include the following:

- A. The date of receipt.
- B. The name of the oil supplier.
- C. The Grade of fuel oil (i.e., No. 3, No. 4, etc.)
- D. The quantity of fuel oil delivered in gallons.
- E. The percent (%) of sulfur by weight of the fuel oil delivered.
- F. An appropriate ASTM test method shall be used to determine the sulfur content of the fuel oil.

[Rule 62-4.070(3), F.A.C.]

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C.9. Particulate and Visible Emission Test Frequency Requirements: The dryer's baghouse (DC-1) emissions shall be tested for particulate matter and visible emissions within 60 days after the initial startup date of routing the emissions from the Raymond Mill (RM-1) and Cyclonic Air/Product Separator (CY-1) to the dryer's outlet and annually thereafter during each federal fiscal year (October 1 – September 30). Annual compliance testing for particulate matter shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid and/or solid fuel, other than during startup, for a total of more than 400 hours.

[Rule 62-297.310(7), F.A.C.]

C.10. Test Method Requirements: Testing of emissions from the dryer's baghouse (DC-1) shall be in accordance with the following test methods:

- A. EPA Method Nos. 1, 2, 3, 4, and 5 for particulate matter emissions.
- B. EPA Method No. 9 for visible emissions. The observation period shall be at least 30 minutes in duration.

The test methods are contained in 40 CFR 60, Appendix A, which is adopted and incorporated by reference in Rule 62-204.800(8), F.A.C.

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60, Appendix A]

C.11. Operating Rate During Testing Requirements: Testing of emissions shall be conducted in accordance with the following:

- A. When the wet limestone material input rate to the dryer is within 90-100% of the permitted capacity of 35 tons/hr., when wet (non-dried) limestone material from Emission Unit No. 009 is being transferred to the screw conveyor (SC-2), and when emissions from the Raymond Mill and Cyclonic Air/Product Separator (CY-1) are routed to the outlet of the dryer. If it is impractical to test at the permitted capacity, an emission unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110% of the tested input rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate up to the maximum permitted capacity.
- B. If the most recent emission compliance test was conducted when the dryer was fired with natural gas or propane, a new test shall be conducted within 30 days of the dryer exceeding the 400th hour of firing the dryer on fuel oil. The new test shall be conducted with the dryer being fired with fuel oil. The permittee is responsible to keep adequate records in order to determine when such testing would be required.
- C. A compliance test submitted when the dryer is fired with new No. 2 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired natural gas, propane, new No.

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2 fuel oil and up to a total of 400 hours of firing new No. 3 fuel oil and new No. 4 fuel oil prior to triggering a requirement for additional compliance testing. Within 30 days of exceeding the 400th hour of firing the dryer with new No. 3 fuel oil and/or new No. 4 fuel oil, new compliance tests shall be conducted when the dryer is fired with the worst fuel oil that was used during the 400-hour period. The fuel oil is ranked as follows from the worst to the best:

- new No. 4 fuel oil (worst)
- new No. 3 fuel oil
- new No. 2 fuel oil (best)

The requirement to conduct additional testing, based on firing the dryer with the worst type of fuel, shall continue to progress as shown above from the best ranked fuel oil through the use of the worst fuel oil, which is new No. 4 fuel oil. Therefore, a compliance test submitted when the dryer is fired with new No. 4 fuel oil will automatically constitute an amended permit to allow the dryer to be fired with natural gas, propane, new No. 2 fuel oil, or new No. 3 fuel oil without triggering additional compliance testing.

- D. All compliance emission test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of such testing.

[Rules 62-297.310(2) and 62-297.310(7)(a)5., F.A.C.]

C.12. Test Report Requirements: Test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Be sure to attach to each test report:

- A. A statement of the dryer's actual wet limestone material input rate for the test period in tons/hr.
- B. A copy of the daily records required by Specific Condition Nos. C.7. and E.5. for the test day.
- C. A copy of the monthly records required by Specific Condition Nos. C.7. and E.5. for the month the dryer was tested.
- D. A statement that during the test period the following three (3) operations were operating simultaneously: 1) the dryer; 2) wet (non-dried) limestone material from Emission Unit No. 009 was being transferred to the screw conveyor (SC-2); and 3) emissions from the Raymond Mill and Cyclonic Air/Product Separator (CY-1) were routed to the outlet of the dryer.
- E. If fuel oil was used during the test, a copy of the record required by Specific Condition No. C.8. for most recent delivery of fuel oil documenting the percent (%) of sulfur by weight of the fuel oil delivered.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

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C.13. Test Notifications: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
[Rule 62-297.310(7)(a)9, F.A.C.]

C.14. Additional Notification Requirement: The permittee shall provide written notification to the Air Compliance Section of the Department's Southwest District Office of the initial startup date of routing the emissions from the Raymond Mill (RM-1) and Cyclonic Air/Product Separator (CY-1) to the dryer's outlet, postmarked within 15 days after such date.
[Rule 62-4.070(3), F.A.C.]

C.15. Circumvention: The permittee shall not circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

The following conditions apply to Screening (NSPS) - Emission Unit No. 003:

D.1. Permitted Capacity: The maximum combined total input transferring (processing) rate of limestone material to the screen conveyor (SC-2) for the screening operation is as follows:

- A. 35 tons/hr. based on a daily average. This value is considered the combined total limestone material input rate from the conveyor belt (BC-6) and from the output of the dryer. The dried limestone material output rate of the dryer is considered a constant 0.88 of the wet limestone material input rate to the dryer, which is a maximum of 30.8 tons of dried limestone material/hr. based on a daily average. The maximum wet (non-dried) on-size limestone material input from the conveyor belt (BC-6) is 35 tons/hr. based on a daily average.
- B. 306,600 tons per any consecutive 12-month period.

[Rule 62-210.200 (PTE), F.A.C.]

D.2. Operational Limitations: This emission unit operates as follows:

- A. Baghouse (DC-2) controls emissions from the following emission units as described above:
 - 1. Screening operations (Emission Unit No. 003).
 - 2. Truck loading (Emission Unit No. 006).

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- B. When the dryer is not operating and only wet (non-dried) on-size limestone material from new Emission Unit No. 009 is being received by screw conveyor (SC-1) that feeds a bucket elevator (BE-1) and shaker screen (SN-1), the limestone material does not go through the Raymond Mill and Cyclonic Air/Product Separator and is only stored in Storage Silo Nos. SS-1 and SS-4.

[Rule 62-210.200(PTE), F.A.C.]

D.3. Particulate Matter Emission Limitation: Particulate matter emissions from baghouse (DC-2) shall at all times not exceed the following:

- A. 0.022 gr/dscf
- B. 1.9 lbs./hr.
- C. 8.3 tons/yr.
- D. When any of the activities controlled by baghouse DC-2 are operating, even if the Screening and Truck Loading are each operating alone, the emissions from baghouse DC-2 are subject to these emission limitations.

[40 CFR 60.672(a)(1) and Rule 62-210.200(PTE), F.A.C.]

D.4. Visible Emission Limitation: Visible emissions from baghouse (DC-2) shall at all times not exceed 7% opacity. When any of the activities controlled by baghouse DC-2 are operating, even if the Screening and Truck Loading are each operating alone, the emissions from baghouse DC-2 are subject to this emission limitation. [40 CFR 60.672(a)(2)]

D.5. Recordkeeping Requirements: The permittee at a minimum shall record the following:

DAILY

- A. The hours of transferring limestone material to the screw conveyor (SC-2). *end of the*
- B. The amount of wet (non-dried) on-size limestone material transferred from the conveyor belt (BC-6) to the end of the screw conveyor (SC-2) in tons.
- C. The amount of dried limestone material from the dryer to screw conveyor (SC-2) in tons.
- D. The combined total amount of wet (non-dried) on-size limestone material and dried limestone material to the screw conveyor (SC-2) in tons.
- E. The combined total daily average limestone material transfer rate to the screw conveyor (SC-2) in tons/hr.
- F. The pressure drop across baghouse (DC-2) in inches of water.

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MONTHLY

- G. The total hours of transferring limestone material to the screw conveyor (SC-2).
- H. The most recent consecutive 12-month period total hours of transferring limestone material to the screw conveyor (SC-2).
- I. The total amount of limestone material transferred to the screw conveyor (SC-2) in tons.
- J. The most recent consecutive 12-month period total tons of limestone material transferred to the screw conveyor (SC-2).

[Rule 62-4.070(3), F.A.C.]

D.6. Testing Frequency Requirements: Baghouse (DC-2) emissions shall be initially tested for particulate matter and visible emissions within 60 days after the initial startup date of transferring wet (non-dried) on-size limestone material from the conveyor belt (BC-6) to the end of the screw conveyor (SC-2) and annually thereafter during each federal fiscal year (October 1 – September 30).

[Rule 62-297.310(7), F.A.C.]

D.7. Test Method Requirements: The permittee shall comply with the following test methods:

- A. Method 5 or Method 17 shall be used to determine the particulate matter emissions. The sample volume shall be at least 60 dscf. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 250 °F, to prevent water condensation on the filter.
- B. Method 9 shall be used to determine opacity.
- C. For only the initial test, the visible emission test shall be conducted concurrently with the particulate matter emission testing and be a minimum of at least 3 hours in duration.
- D. After the initial test, the visible emission test shall be conducted concurrently with one of the three particulate matter emission test runs and be at least 30 minutes in duration.

[40 CFR 60.11 and 40 CFR 60.675(b)]

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D.8. Operating Requirements During Testing: Testing of baghouse (DC-2) emissions shall be conducted with the following activities occurring simultaneously:

- A. When the combined total limestone material input rate to the screw conveyor (SC-2) is within 90-100% of the permitted capacity of 35 tons/hr.
- B. When the dryer's dried limestone material output rate is within 90-100% of the permitted capacity of 30.8 tons/hr.
- C. When the Raymond Mill (RM-1) and Cyclonic Air/Product Separator operations are occurring.
- D. When trucks are being loaded within 90-100% of the permitted capacity of 108 tons/hr. and when oiling the limestone product from silo SS-1 is not being conducted.
- E. If it is impractical to test within 90-100% of the screw conveyor (SC-2), dryer's, and truck loading's permitted capacities, an emission unit may be tested at less than the maximum permitted capacities; in this case, subsequent emissions unit operation is limited to 110% of the tested rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate up to the maximum permitted capacity.

[Rule 62-297.310(2), F.A.C.]

D.9. Test Report Requirements: Test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Be sure to attach to each test report:

- A. A statement of the actual combined ^{wet and dried} total limestone material rate to the screw conveyor (SC-2) for the test period in tons/hr.
- B. A statement of the dryer's actual dried limestone material output rate from the dryer for the test period in tons/hr.
- C. A statement of the truck loading's actual loading rate for the test period in tons/hr.
- D. A copy of the daily records required by Specific Condition No. D.5. for each test day.
- E. A copy of the monthly records required by Specific Condition Nos. D.5. and G.6. for the month the test was conducted.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

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D.10. Test Notifications: The permittee shall comply with the following:

- A. For each initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 30 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- B. For each annual test after the initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[40 CFR 60.7(a)(6) and Rule 62-297.310(7)(a)9., F.A.C.]

D.11. Other Notification Requirements: The permittee shall provide written notification to the Air Compliance Section of the Department's Southwest District Office as follows:

- A. The date construction of transferring wet (non-dried) on-size limestone material from the conveyor belt (BC-6) to the end of the screw conveyor (SC-2) is commenced, postmarked no later than 30 days after such date.
[40 CFR 60.7(a)(1)]
- B. The actual initial startup date of transferring wet (non-dried) on-size limestone material from the conveyor belt (BC-6) to the end of the screw conveyor (SC-2), postmarked within 15 days after such date.
[40 CFR 60.7(a)(3)]

D.12. Circumvention of Air Pollution Control Device: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable control device operating properly.

{Permitting Note: The requirements of this condition cannot supersede any applicable NSPS requirement.}

[Rule 62-210.650, F.A.C.]

The following conditions apply to Milling (non-NSPS) - Emission Unit No. 004:

E.1. Permitted Capacity: The maximum permitted limestone material transfer (process) rate is:

- A. 35 tons/hr. based on a daily average. This value is considered the combined total limestone material input rate from the conveyor belt (BC-6) and from the output of the dryer to the screw conveyor (SC-2). The dried limestone material output rate of the dryer is considered a constant 0.88 of the wet limestone material input rate to the dryer, which is a maximum of 30.8 tons of

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dried limestone material /hr. based on a daily average. The maximum wet (non-dried) on-size limestone material input from the conveyor belt (BC-6) is 35 tons/hr. based on a daily average.

B. 306,600 tons per any consecutive 12-month period.

[Rule 62-210.200 (PTE), F.A.C.]

E.2. Methods of Operation: The permittee shall comply with the following:

- A. Emissions from the Raymond Mill and Cyclonic Air/Product Separator are vented to the outlet of the dryer and controlled by the baghouse (DC-1) as described in Emission Unit No. 002 above.
- B. Limestone material shall not be processed by the Raymond Mill (RM-1) and Cyclonic Air/Product Separator if the dryer (except for ~~startup and shutdown~~) described in Emission Unit No. 002 above is not operating.

[Rule 62-210.200(PTE), F.A.C.]

E.3. Particulate matter emissions shall comply with the emission limitations of Specific Condition No. C.5.

[Rule 62-210.200(PTE), F.A.C.; Requested by permittee in the applications dated August 9, 2005 and May 28, 2008]

E.4. Visible Emissions Limitation: Visible emissions from the baghouse (DC-1) shall not be equal to or exceed 20% opacity. (also see Specific Condition No. C.6. above)

[Rule 62-296.320(4)(b), F.A.C.]

E.5. Recordkeeping Requirements: When the Raymond Mill and Cyclonic Air/Product Separator are operating, the permittee shall record at a minimum the following:

DAILY

- A. The hours of transferring limestone material to the screw conveyor (SC-2).
- B. The amount of wet (non-dried) on-size limestone material transferred from the conveyor belt (BC-6) to the end of the screw conveyor (SC-2) in tons.
- C. The amount of dried limestone material from the dryer to screw conveyor (SC-2) in tons.
- D. The combined total amount of wet (non-dried) on-size limestone material and dried limestone material to the screw conveyor (SC-2) in tons.

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- E. The combined total daily average limestone material transfer rate to the screw conveyor (SC-2) in tons/hr.

MONTHLY

- F. The total hours of transferring limestone material to the screw conveyor (SC-2).
- G. The most recent consecutive 12-month period total hours of transferring limestone material to the screw conveyor (SC-2).
- H. The total amount of limestone material transferred to the screw conveyor (SC-2) in tons.
- I. The most recent consecutive 12-month period total tons of limestone material transferred to the screw conveyor (SC-2).

[Rule 62-4.070(3), F.A.C.]

E.6. Particulate and Visible Emission Test Frequency Requirements: The permittee shall comply with Specific Condition No. C.9.

[Rule 62-297.310(7), F.A.C.]

E.7. Test Method Requirements: Testing of emissions from the dryer's baghouse (DC-1) shall be in accordance with the test methods in Specific Condition No. C.10.

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60, Appendix A]

E.8. Operating Rate During Testing Requirements: Testing of emissions shall be conducted in accordance with Specific Condition No. C.11.

[Rule 62-297.310(2), F.A.C.]

E.9. Test Report Requirements: Test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing in accordance with Specific Condition No. C.12.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

E.10. Test Notifications: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[Rule 62-297.310(7)(a)9., F.A.C.]

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E.11. Circumvention: The permittee shall not circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

The following conditions apply to the Four (4) Storage Silos (NSPS) - Emission Unit No. 005:

F.1. Permitted Capacity: The maximum limestone material filling rate for the "group of 4 limestone storage silos" shall be the maximum combined total input transferring (processing) rate of limestone material to the screen conveyor (SC-2) for the screening operation as follows:

- A. 35 tons/hr. based on a daily average. This value is considered the combined total limestone material input rate from the conveyor belt (BC-6) and from the output of the dryer. The dried limestone material output rate of the dryer is considered a constant 0.88 of the wet limestone material input rate to the dryer, which is a maximum of 30.8 tons of dried limestone material/hr. based on a daily average. The maximum wet (non-dried) on-size limestone material input from the conveyor belt (BC-6) is 35 tons/hr. based on a daily average.
- B. 306,600 tons per any consecutive 12-month period.

[Rule 62-210.200(PTE), F.A.C.]

F.2. Operational Limitation: The dried and screened limestone material from the cyclonic air/product separator cannot be loaded into storage silos SS-2, SS-3, and SS-4 simultaneously.
[Rule 62-210.200(PTE), F.A.C.]

F.3. Particulate Matter Emission Limitation: Particulate matter emissions from baghouse (DC-4) shall at all times not exceed the following:

- A. 0.022 gr/dscf
- B. 0.9 lbs./hr.
- C. 3.9 tons/yr.

[40 CFR 60.672(a)(1), 40 CFR 60.672(g), and Rule 62-210.200(PTE), F.A.C.]

F.4. Visible Emission Limitation: Visible emissions from baghouse (DC-4) shall at all times not exceed 7% opacity.
[40 CFR 60.672(a)(2), 40 CFR 60.672(g), and Rule 62-210.200(PTE), F.A.C.]

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F.5. Recordkeeping Requirements: The permittee shall comply with the following:

- A. Documentation of the hours of operation and processing (loading) rate of limestone material for this "group of 4 limestone storage silos" shall be considered the same as the screw conveyor (SC-2) described in Emission Unit No. 003. The records required in Specific Condition No. D.5. above shall be considered the same for this emission unit. Therefore, the records required by Specific Condition No. D.5. shall also be used to document the hours of operation and the amount of material (throughput) for this emission unit in the Annual Operating Report required pursuant to Rule 62-210.370, F.A.C.
- B. Daily record the pressure drop across baghouse (DC-4) in inches of water.

[Rule 62-4.070(3), F.A.C.]

F.6. Testing Frequency Requirements: Baghouse (DC-4) emissions shall be initially tested for particulate matter and visible emissions within 60 days after the initial startup date of transferring wet (non-dried) on-size limestone material from the conveyor belt (BC-6) to the screw conveyor (SC-2) and annually thereafter during each federal fiscal year (October 1 – September 30).

[Rule 62-297.310(7), F.A.C.]

F.7. Test Method Requirements: The permittee shall comply with the following test methods:

- A. Method 5 or Method 17 shall be used to determine the particulate matter emissions. The sample volume shall be at least 60 dscf. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 250 °F, to prevent water condensation on the filter.
- B. Method 9 shall be used to determine opacity.
- C. For only the initial test, the visible emission test shall be conducted concurrently with the particulate matter emission testing and be a minimum of at least 3 hours in duration.
- D. After the initial test, the visible emission test shall be conducted concurrently with one of the three particulate matter emission test runs and be at least 30 minutes in duration.

[40 CFR 60.11 and 40 CFR 60.675(b); Rule 62-297.310(4), F.A.C.]

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F.8. Operating Requirements During Testing: Testing of baghouse (DC-4) emissions shall be conducted with the following activities occurring simultaneously:

- A. When the combined total limestone input rate to the screw conveyor (SC-2) is within 90-100% of the permitted capacity of 35 tons/hr.
- B. When the conveyor belt (BC-6) is transferring limestone material to the screw conveyor (SC-2).
- C. When drying operations are occurring.
- D. When screening operations are occurring.
- E. When the milling operations are occurring.
- F. When trucks are being loaded and when oiling the limestone product from silo SS-1 is not being conducted.
- G. When baghouses DC-1, DC-2, and DC-4 are operating.
- H. If it is impractical to test within 90-100% of the screw conveyor (SC-2)'s permitted capacity, an emission unit may be tested at less than the maximum permitted capacities; in this case, subsequent emissions unit operation is limited to 110% of the tested rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate up to the maximum permitted capacity.

[Rule 62-297.310(2), F.A.C.]

F.9. Test Report Requirements: Test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Be sure to attach to each test report:

- A. A statement of the screw conveyor (SC-2)'s actual transfer rate of limestone material for the test period in tons/hr.
- B. A copy of the daily records required by Specific Condition No. D.5. for the test day.
- C. A copy of the monthly records required by Specific Condition No. D.5. for the month the test was conducted.
- D. A copy of the daily pressure drop record for baghouse (DC-4) for the test day.

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- E. A statement that the activities listed in Specific Condition Nos. F.8.B. through F.8.G. were operating during the test period.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

F.10. Test Notifications: The permittee shall comply with the following:

- A. For each initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 30 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- B. For each annual test after the initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[40 CFR 60.7(a)(6) and Rule 62-297.310(7)(a)9., F.A.C.]

F.11. Circumvention of Air Pollution Control Device : No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable control device operating properly.

{Permitting Note: The requirements of this condition cannot supersede any applicable NSPS requirement.}

[Rule 62-210.650, F.A.C.]

The following conditions apply to Truck Loading Operations (NSPS) - Emission Unit No. 006:

G.1. Permitted Capacity: Trucks are loaded at the maximum loading rate of 108 tons/hr. (based on the actual filling time of the truck divided by the actual loading time of the truck).

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

G.2. Operational Limitations: Dried Limestone (product) from Storage Silos SS-1, SS-2, SS-3, and SS-4 is transferred to a truck loading station where only 1 truck at any one time may be loaded.

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

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G.3. Operational Limitations: Baghouse (DC-2) controls emissions from the following emission units as described above:

- A. Screening operations (Emission Unit No. 003).
- B. Truck loading (Emission Unit No. 006).

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

G.4. Particulate Matter Emission Limitation: Particulate matter emissions from baghouse (DC-2) shall at all times not exceed the following:

- A. 0.022 gr/dscf
- B. 1.9 lbs./hr.
- C. 8.3 tons/yr.
- D. When any of the activities controlled by baghouse DC-2 are operating, even if the Screening and Truck Loading are each operating alone, the emissions from baghouse DC-2 are subject to these emissions limitations.

[40 CFR 60.672(a)(1) and Rule 62-210.200(PTE), F.A.C.; Construction Permit 1190018-012-AC]

G.5. Visible Emission Limitation: Visible emissions from baghouse (DC-2) shall at all times not exceed 7% opacity. When any of the activities controlled by baghouse DC-2 are operating, even if the Screening and Truck Loading are each operating alone, the emissions from baghouse DC-2 are subject to this emission limitation.

[40 CFR 60.672(a)(2); Construction Permit 1190018-012-AC]

G.6. Recordkeeping Requirements: The permittee shall record the following at a minimum to document the loading rate to each truck:

FOR EACH TRUCK LOADED

- A. The actual amount of product (dried limestone) loaded, in tons.
- B. The actual amount of time to load the truck, in hours.
- C. The actual loading rate of the truck, in tons/hr.

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D. The pressure drop across baghouse (DC-2) in inches of water.

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E. The total amount of product loaded into trucks, in tons.

F. The most recent consecutive 12-month period total amount of product loaded into trucks.

G. The total hours of loading trucks.

H. The most recent consecutive 12-month period total hours of loading trucks.

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190018-012-AC]

G.7. Testing Frequency Requirements: See Specific Condition No. D.6.

G.8. Test Method Requirements: See Specific Condition No. D.7.

G.9. Operating Requirements During Testing: See Specific Condition No. D.8.

G.10. Test Report Requirements: See Specific Condition No. D.9.

G.11. Test Notifications: See Specific Condition No. D.10.

G.12. Circumvention of Air Pollution Control Device: See Specific Condition No. D.12.

The following conditions apply to Fugitive Emissions from Inside the Enclosed Building (NSPS) - Emission Unit No. 008:

H.1. Permitted Capacity: The maximum processing rate of limestone material for the "group of affective fugitive sources of emissions from inside the enclosed building" (Affected fugitive sources: Crusher (CR-02), Feed Bin (BN-1) to the Feed Table (TF-1), belt conveyor (BC-3), and belt conveyor (BC-4)) shall be considered the same as the maximum combined total input transferring (processing) rate of limestone material to the screen conveyor (SC-2) for the screening operation associated with Emission Unit No. 003 as follows:

A. 35 tons/hr. based on a daily average.

B. 306,600 tons per any consecutive 12-month period.

[Rule 62-210.200 (PTE), F.A.C.]

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Facility

H.2. Visible Emission Limitation: The enclosed building shall have no visible emissions.
[40 CFR 60.672(e)(1)]

H.3. Recordkeeping Requirements: Documentation of the hours of operation and processing (loading) rate of limestone material for this "group of affective fugitive sources of emissions from inside the enclosed building" shall be considered the same as the screw conveyor (SC-2) described in Emission Unit No. 003. The records required in Specific Condition No. D.5. above shall be considered the same for this emission unit. Therefore, the records required by Specific Condition No. D.5. shall also be used to document the hours of operation and the amount of material (throughput) for this emission unit in the Annual Operating Report required pursuant to Rule 62-210.370, F.A.C.
[Rule 62-4.070(3), F.A.C.]

H.4. Testing Frequency Requirements: Fugitive emissions from the enclosed building shall be initially tested for visible emissions within 60 days after the initial startup date of transferring wet (non-dried) on-size limestone material from the conveyor belt (BC-6) to the end of the screw conveyor (SC-2) and annually thereafter during each federal fiscal year (October 1 – September 30).
[Rule 62-297.310(7), F.A.C.]

H.5. Test Method Requirements: The permittee shall use EPA Method 22 to determine fugitive visible emissions from the enclosed building. The performance test shall be conducted while all the affected sources inside the building are operating and when screw conveyor (SC-2) is receiving limestone material from the dryer and the conveyor belt (BC-6) within 90-100% of the combined total limestone material transferring rate of 35 tons/hr. The performance test for the building shall be at least 75 minutes in duration, with each side of the building and the roof being observed for at least 15 minutes.

| Emission Point No. | Brief Description | Visible Emission Limit |
|--------------------|------------------------|------------------------|
| 1 | North Side of Building | No visible emissions |
| 2 | East Side of Building | No visible emissions |
| 3 | South Side of Building | No visible emissions |
| 4 | West Side of Building | No visible emissions |
| 5 | Roof of Building | No visible emissions |

[40 CFR 60.675(d) and Rule 62-297.310(2), F.A.C.]

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H.6. Test Report Requirements: Test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Be sure to attach to each test report:

- A. A statement of the actual combined total limestone material input rate to the screw conveyor (SC-2) for the test period in tons/hr.
- B. A copy of the daily records required by Specific Condition No. D.5. for each test day.
- C. A copy of the monthly records required by Specific Condition No. D.5. for the month the test was conducted.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

H.7. Test Notifications: The permittee shall comply with the following:

- A. For each initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 30 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- B. For each annual test after the initial test: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the test date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[40 CFR 60.7(a)(6) and Rule 62-297.310(7)(a)9., F.A.C.]

**COMMON CONDITIONS FOR EMISSION UNIT
NOS. 003, 005, 006, 007, 008 and 009**

I.1. NSPS Applicability Requirement: These emission units are subject to the applicable portions of Attachment NSPS - New Source Performance Standards (NSPS) of Title 40 Code of Federal Regulations (CFR) Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants, which is adopted and incorporated by reference in Rule 62-204.800(8), F.A.C.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

DRAFT

Mara Grace Nasca
District Air Program Administrator
Southwest District

ATTACHMENT - GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
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), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither 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 is not 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 this permit.
4. Not applicable to Air Permits.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; 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.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are 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 and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonable 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 provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including 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. 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 for revocation of this permit.

ATTACHMENT - GENERAL CONDITIONS

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 involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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 Rule 62-4.120 and 62-730.300 F.A.C., 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 or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold 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) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained 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:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. 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 the 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 corrected promptly.

16. Not applicable to Air Permits.

17. Not applicable to Air Permits.