



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 TWO AIR PERMITS

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Mr. Seamus Burlingame, CEO
Eagle Roofing Products Florida, LLC
3546 N. Riverside Ave
Rialto, CA 92377

DEP File Nos.: 1190045-002-AO
1190045-004-AC
Sumter County

Dear Mr. Burlingame:

Enclosed is one copy of two Draft air permits (one document) for the Eagle Roofing Products Florida, LLC facility located at 1575 East County Road 470, Sumterville, Sumter County. The Department's Intent to Issue Two Air Permits and the Public Notice of Intent to Issue Two Air Permits are also included.

The Public Notice of Intent to Issue Two Air Permits 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 permits.

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, Nancy E. Knight at 813-632-7600, ext. 120.

Sincerely,

Mara Grace Nasca
District Air Program Administrator
Southwest District

MGN/NEK/pp

Enclosures

In the Matter of an
Application for Permit by:

Mr. Seamus Burlingame, CEO
Eagle Roofing Products Florida, LLC
3546 N. Riverside Ave
Rialto, CA 92377

DEP File Nos.: 1190045-002-AO
1190045-004-AC
Sumter County

INTENT TO ISSUE TWO AIR PERMITS

The Department of Environmental Protection (Department) gives notice of its intent to issue two air permits in one document (enclosed) for the proposed project, detailed in the application specified above for the reasons stated below.

The applicant, Eagle Roofing Products Florida LLC, applied June 30, 2008, to the Department for an air construction permit and an initial air operation permit for its roof tile manufacturing facility located at 1575 East County Road 470, Sumterville, Sumter County. These permits authorize Eagle Roofing Products Florida LLC to add white cement and W-10 aggregate to the types of material used to manufacture the roof tiles. It deletes Emission Unit No. 6, Crushed Tile Storage Bins, as the emissions from this activity are controlled by the dust collection system for Emission Unit No. 5, Reject Tile Recycling Crusher System. It deletes the requirement to conduct visible emissions testing on Emission Unit No. 4, Tile Production Building while conveying only sand. It adds two bin vent filters to the cement surge bins in Emission Unit 004. The operation permit authorizes the continued operation of this facility. 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 two air permits are required for this project.

The Department intends to issue these two air permits (one document) 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 Two Air Permits. 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 permits. Failure to publish the notice and provide proof of publication may result in the denial of the permits pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permits 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 Two Air Permits. 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 permits and require, if applicable, another Public Notice.

The Department will issue the permits 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 permits, 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 Two Air Permits." 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 numbers 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 permits and require, if applicable, another Public Notice.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Mara Grace Nasca
District Air Program Administrator
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Intent to Issue Two Air Permits (including the Public Notice of Intent to Issue Two Air Permits and the Draft permits in one document) was sent by certified mail before the close of business on 11-14-2008 to the person(s) listed:

Mr. Seamus Burlingame, CEO
Eagle Roofing Products Florida LLC
3546 N. Riverside Avenue
Rialto, CA 92377

The undersigned duly designated deputy agency clerk hereby certifies that this Intent to Issue Two Air Permits was mailed by U.S. Mail before the close of business on 11-14-2008 to the person(s) listed:

Mr. John Lohman, P.E.
Kleinfelder
3601 Manor Road
Austin, TX 78723

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 Chubbett 11-14-2008
(Clerk) (Date)

Note: An electronic version of this Notice of Intent to Issue Two Air Permits, the Public Notice of Intent to Issue Two Air Permits and the Draft permits (in one document) 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>

7007 0710 0003 0136 9620

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Ce Seamus Burlingame, CEO
Return R Eagle Roofing Products Florida LLC
(Endorsement) 3546 N. Riverside Avenue
Restricted D Rialto, CA 92377
(Endorsement)

Total Poste 119005-002-AO/004-AC Draft
NK 11/14/2008

Sent To
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Seamus Burlingame, CEO
Eagle Roofing Products Florida LLC
3546 N. Riverside Avenue
Rialto, CA 92377

119005-002-AO/004-AC Draft
NK 11/14/2008

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
Judy 3 J Addressee

B. Received by (Printed Name) C. Date of Delivery
Judy 3 J

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

RIALTO, CA 92377
NOV 17 2008
USPS

3. Service Type

Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
(Transfer from service label)

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Dept. of Environmental Protection

NOV 20 2008

**Dept. of Environmental Protection
Air Resource Management Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926**



PUBLIC NOTICE OF INTENT TO ISSUE TWO AIR PERMITS

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP File Nos. 1190045-002-AO and 1190045-004-AC
Eagle Roofing Products Florida, LLC
Sumter County

The Department of Environmental Protection (Department) gives notice of its intent to issue two air permits to Eagle Roofing Products Florida LLC for its roof tile manufacturing facility located at 1575 East County Road 470, Sumterville, Sumter County. These permits authorize Eagle Roofing Products Florida LLC to add white cement and W-10 aggregate to the types of material used to manufacture the roof tiles. It deletes Emission Unit No. 6, Crushed Tile Storage Bins, as the emissions from this activity are controlled by the dust collection system for Emission Unit No. 5, Reject Tile Recycling Crusher System. It deletes the requirement to conduct visible emissions testing on Emission Unit No. 4, Tile Production Building while conveying only sand. It adds two bin vent filters to the cement surge bins in Emission Unit 004. The operation permit authorizes the continued operation of this facility. MAILING ADDRESS: Eagle Roofing Products Florida LLC, 3546 N. Riverside Avenue, Rialto, CA 92377 to the attention of Mr. Seamus Burlingame, CEO.

The Department will issue the final permits 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 Two Air Permits. 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 permits and require, if applicable, another Public Notice.

The Department will issue the final permits 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.

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- (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 N. Telecom Parkway, Temple Terrace, Florida.

The complete project file includes the application, technical evaluation, draft permits, and the information submitted by the authorized representative, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mara Grace Nasca, Southwest District Air Program Administrator, at 13051 N. 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 draft permits, 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 Two Air Permits." 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(s) 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 permits 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:
Eagle Roofing Products Florida LLC
3546 N. Riverside Avenue
Rialto, CA 92377

DRAFT

Permit Nos.: 1190045-002-AO¹
1190045-004-AC²

County: Sumter

Effective Date: XX/XX/2008

Expiration Dates: XX/XX/2008¹
12/31/2008²

Project: Roofing Tile Manufacturing
Facility

These permits (one document) are 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 Florida Department of Environmental Protection and made a part hereof and specifically described below.

Construction Permit 1190045-004-AC deletes Emission Unit No. 6, Crushed Tile Storage Bin. The emissions from this activity are controlled by the dust collection system in Emission Unit No. 5, Reject Tile Recycling Crusher System. It adds white cement and W-10 aggregate to the types of materials used to manufacture the roofing tiles. It deletes the requirement to conduct visible emissions testing on Emission Unit No. 1, Sand, W-10 Aggregate, and Shale Receiving and Handling System and Emission Unit No. 4, Tile Production Building while conveying only sand. It corrects the cement silo loading rate to 25 TPH and adds two bin vent filters to the cement surge bins in Emission Unit 004.

Operation Permit 1190045-002-AO incorporates the provisions in construction permit 1190045-001-AC and the modifications in construction permit 1190045-004-AC.

This facility manufactures concrete roof tile. It has a design capacity of approximately 315 million tiles per year and manufactures standard concrete roof tiles comprised of W-10 aggregate, sand and cement and lightweight concrete roof tiles comprised of shale and cement. Both standard and lightweight tiles can be produced in a variety of shapes depending upon the mold surface upon which the concrete tiles are formed. The primary facility pollutants are particulate matter (PM) and volatile organic compound (VOC) emissions. Particulate matter emissions are generated primarily during the receiving, handling and transfer of sand, shale, W-10 aggregate and cement; while VOC emissions are generated when form molds used to produce roof tiles are coated with mold release compounds before concrete is extruded on to them.

Permittee:
Eagle Roofing Products Florida LLC

DRAFT Permi. No.: 1190045-002-AO
1190045-004-AC

Project: Roofing tile manufacturing
facility

Permitted Emission Units

Emission Unit ID No. 001 – Sand, W-10 Aggregate, and Shale Receiving and Handling System

This emission unit consists of sand, W-10 aggregate, and shale receiving and handling equipment. Bottom dump trucks deliver sand, W-10 aggregate or shale to one of twelve enclosed, drive-over 220 ton receiving hoppers. The truck dumping area is an above-grade, “A-Frame” corrugated metal structure, open at both the entrance and exit. Conveyors located beneath the truck dump are enclosed in the framework. Sand, W-10 aggregate or shale is conveyed from the receiving hoppers through a series of covered conveyor belts to a transfer tower. The sand is delivered with a moisture content of approximately 6%, W-10 aggregate is delivered with a moisture content of approximately 5% and shale is delivered with a moisture content of approximately 11%. The conveyor system is equipped with water spray nozzles to be used on an as-needed basis to maintain sand and aggregate moisture at 6-8% and shale moisture content at 17-18%. Material from the reject recycle tile system (processed in Emission Unit 005) may be blended in concentrations up to 7% by weight with the raw material feeds from truck unloading. This blending occurs on the covered conveyor belt located upstream of the transfer tower. Material is then transferred by covered conveyor to the screening process and then into one of two 100-ton compartments of the 200-ton storage bin. Material is then transferred by covered conveyors from the 200-ton storage bin to the aggregate/cement mixing building. This emission unit has a maximum throughput rate of 384 tons/hour. This rate includes both truck receiving and reject recycle tile material feeds combined. The maximum annual throughput rate, limited by tile production, is 1.11 MM tons/year.

Emission points consist of the following material transfer points:

- Truck deliveries to the 12 receiving hoppers,
- Receiving hoppers to 4 belt conveyor drop points,
- 5 conveyor belt drop points,
- The screening process, and
- The 200-ton storage bin.

To control particulate matter emissions, the conveyor belts used to transfer materials to the screening process and storage bin are covered. Conveyor belt transfer points and hopper release points are enclosed and water spray is activated, on an as-needed basis, to maintain sand moisture at 6 to 8 percent, and shale moisture content at 17 to 18 percent. Particulate matter emissions from the belt conveyor drop point at the screen process and the belt conveyor drop point at the reject tile system reentry point are controlled by the dust collection system utilized by Emission Unit 005.

Emission Unit ID No. 002 – Cement Storage Silo (West)

This emission unit consists of a cement storage silo. Gray or white cement is pneumatically loaded from trucks into the silo where it is stored and later transferred through an enclosed screw conveyor into its own 40 ton hopper located in the sand/shale/W-10 aggregate/cement mixing area. The silo has a storage capacity of 350 tons, a minimum loading rate of 25 tons/hour and a maximum annual throughput rate of 197,100 tons/year. This silo is also equipped with two Cyclonaire Model 84-DC-25 baghouses, operating in parallel, to control particulate matter. Each baghouse is designed for 2,685 dscfm airflow and has a control efficiency of 99.9%.

Emission Unit ID No. 003 – Cement Storage Silo (East)

This emission unit description is identical to emission unit 002.

Permittee:
Eagle Roofing Products Florida LLC

DRAFT Permiss. nos.: 1190045-002-AO
1190045-004-AC

Project: Roofing tile manufacturing
facility

Emission Unit ID No. 004 – Tile Production Building

This emission unit includes several activities occurring within the tile production building. Specifically, this includes: (1) sand/W-10 aggregate/shale/cement mixing, (2) pigment mixing and (3) tile production.

- (1) Sand/W-10 Aggregate/Shale/Cement Mixing Area - This portion of the emission unit consists of activities associated with sand, shale or W-10 aggregate and cement mixing. Sand, shale or W-10 aggregate and cement from emission units 001, 002 and 003 are premixed together, in an enclosed area designated as the "Surge Bin Area". Upon demand generated by operation of any of the three roofing tile manufacturing lines, sand, W-10 aggregate or shale is automatically obtained from the base of one of the two 100-ton compartments of the 200-ton storage bin and transferred, via covered conveyor belts, to one of two 53-ton surge hoppers (containing either shale, W-10 aggregate or sand). Each of the cement surge hoppers are equipped with a bin vent filter to control particulate matter and provide additional vacuum for added ability to remove residual gray or white cement from the surge hoppers when these materials are exchanged. Also upon demand, gray or white cement is automatically obtained from the cement silos and transferred via enclosed screw conveyor to the two 60-ton cement hoppers.

Sand, W-10 aggregate or shale is released from the hopper(s) to a separate "metering conveyor belt" for each individual roofing tile line. Cement is released from the hopper(s) to an enclosed screw conveyor onto a separate, enclosed metering conveyor belt for each individual roofing tile line. Sand, W-10 aggregate or shale and cement are released from the metering conveyor belts onto raw material conveyor belts for each roofing tile line. Sand, W-10 aggregate or shale, and cement on each of the three (3) raw material conveyor belts are premixed in their own mixer. The mixed raw material is then transported via the raw material conveyor belts (one for each roofing tile line) through a narrow portal in the wall separating the Surge Bin Area from the main production building.

The maximum throughput for this equipment is 157.5 tons/hour and 1.38 MM tons/year annually. Baghouse dust collectors (one for each of the three process lines) are used to control particulate matter emissions resulting from metering the cement, mixing activities and production line raw material feeds. Each baghouse is designed for 3,500 dscfm airflow and has a control efficiency of 99.9%. The dust collectors discharge inside the building enclosure onto the raw material belts for the respective production line.

Note: In addition to the sand, W-10 aggregate, shale and cement hoppers, an additional 60-ton surge hopper will be present for potential future use of other raw materials (possibly fly ash and white cement). This hopper will be installed in the Surge Bin Area, but will not be functionally connected to the roofing tile manufacturing lines or any raw material receiving or storage equipment.

- (2) Pigment Mix Sub Area - This portion of the emission unit consists of eight pigment mixing vats (five 800 gallon tanks and three 500 gallon tanks). The tops of these tanks are covered and the tanks are enclosed within the production building. Bagged dry pigment is added to the vats as needed and mixed with water. The maximum throughput for this emission unit is 0.9 tons/hour and 7,884 tons/year annually. A baghouse dust collector is used to control particulate matter generated from this activity. This baghouse discharges inside the building enclosure. The baghouse is designed for 3,500 dscfm airflow and has a control efficiency of 99.9%.

- (3) Tile Production Area - This portion of the emission unit combines sand, W-10 aggregate or shale and cement, processed in the aggregate/cement mixing area, pigment and water as needed. Mixed raw material transported via a raw material conveyor belt (from the Surge Bin Area) is transferred onto two mixing conveyor belts (two for each roofing tile line). This material is mixed with water and calcium chloride using 18 beaters (9 beaters per conveyor) to create a slurry used to form roofing tiles. Colored pigment can be added if "color through" tiles are being produced. Eaglelite (a surfactant) can also be added if lightweight tiles are being produced. Calcium chloride and Eaglelite solution is piped from the storage tank area. This slurry is conveyed from the mixing conveyor belts to an extruder where the slurry is molded into a wet tile.

Particulate matter emissions are considered negligible because at this stage of the process, the materials are in a wet state. Two mold release compounds are used in this process: (1) a low-VOC vegetable oil compound used for all roofing tiles types except for "trim" tiles; (2) a naphthenic distillate compound used only for production of "trim" tiles. Form molds are coated with mold release compounds before the concrete is extruded on the mold. Additional surface and decorative embellishment color is added to the molded concrete depending upon order specifications. The tiles are then cured and an acrylic sealer is applied to protect the surface pigment of tiles from the elements, to prevent efflorescence and prevent pigment from fading.

The tile production area currently consists of three production lines, each with a production capacity of 150 tiles per minute. A fourth production line was permitted under Construction Permit 1190045-001-AC but has not been built. Maximum design throughput is approximately 36,000 tiles/hour and approximately 315 million tiles per year (4 lines). Fugitive VOC emissions from mold release oil and acrylic sealers are emitted from the building.

Emission Unit ID No. 005 – Reject Tile Recycling Crusher System

This emission unit receives reject tile for recycling. Reject tiles are manually placed into a primary hopper with spikes rotating and breaking tile into smaller pieces. Particulate matter emissions from this activity are controlled by water sprays located on top of the walls of the primary dump hopper. From the hopper, the wet material is transported via covered conveyor belt, to a jaw crusher. Crushed material is then transferred via covered conveyor belt to the vertical shaft impactor (VSI). After passing through the VSI, material is transferred via covered belt to an enclosed 2-deck shaker-screen. Oversized material is sent back to the VSI via covered conveyor belt. Undersized ("fine") material is transferred from the enclosed 2-deck shaker screen by covered conveyor belt to the 100 ton bulk crushed tile storage bin/hopper where it is eventually conveyed back to the sand, 10-W aggregate and shale handling system (Emission Unit 001) as raw aggregate. Particulate matter emissions from the storage bin/hopper are controlled by a water spray.

Additionally, recycled materials generated from housekeeping and maintenance operations at the facility are manually transported to the fines material loading hopper. This material is also fed to the VSI and then to the 2-deck shaker-screen via covered conveyor and processed.

The maximum throughput for this emission unit is 30 tons/hour and 78,840 tons/year annually. A dust collection system, with an overall design airflow of 13,600 dscfm and a control efficiency of 99.9%, is used to control particulate matter emissions from this system. The system has a total of 13 dust collector pickup points within the recycle tile crusher system. The points are as follows: (1) Jaw Crusher inlet; (2) Jaw Crusher discharge / BC-23 feed; (3) VSI feed; (4) VSI; (5) BC-24 feed; (6) Shaker screen inlet; (7)

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2-deck shaker screen; (8) BC-25 feed; (9) BC-26 feed; (10) BC-23 feed; (11) Crushed material hopper inlet; (12) BC-5 feed; (13) BC-6 feed.

FACILITY DESCRIPTION – EXEMPT EMISSION UNITS AND/OR ACTIVITIES

Curing Enclosure Area

This area consists of 40 curing enclosures (10 per tile line) located in the tile production building. Propane fired burners are used to heat the curing enclosures. Concrete tiles are cured within a controlled temperature range (120 °F – 140 °F) as they are held in the curing enclosure for over 3.5 hours. The maximum propane usage rate for this emission unit is 240 cf/hour (6.557 gals./hour.). This process emits uncontrolled product of combustion pollutants from the propane burners. Based on the information supplied by the applicant in the permit application dated September 15, 2006, this activity is exempted from permitting pursuant to Generic Emissions Unit Exemption Rule 62-210.300(3)(b)1., F.A.C.

Bulk Material Tanks

This facility has four 8000-gallon tanks used to store mold release oil (E-46), calcium chloride, and acrylic sealer. Based on the information supplied by the applicant in the permit application dated September 15, 2006, this activity is exempted from permitting pursuant to Generic Emissions Unit Exemption Rule 62-310.300(3)(b)1., F.A.C. Specifically, mold release oil (E-46) contained in tanks 1 and 2 will have negligible emissions due to its extremely low vapor pressure and VOC content. The calcium chloride / water mixture contained in tank 3 is not considered to be a regulated compound. Finally, the acrylic sealer contained in tank 4, contains the VOC, 2-ethylhexyl acrylate. However, potential emissions from this tank were estimated below 10 lb/year when evaluated using the EPA Tanks v4.0.9 modeling program.

FACILITY INFORMATION SUMMARY

Location: 1575 East County Road 470, Sumterville, Sumter County

UTM Coordinates: 17-394.6 East 3179.9 North

Latitude: 28° 44' 33" **Longitude:** 82° 04' 45"

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Facility ID No.: 1190045

E.U. ID No.	Description
001	Sand, W-10 Aggregate and Shale Receiving and Handling System (NSPS & Rule 296.414, F.A.C.)
002	Cement Storage Silo 1 – West (Rule 296.414, F.A.C.)
003	Cement Storage Silo 2 – East (Rule 296.414, F.A.C.)
004	Tile Production Building (NSPS)
005	Reject Tile Recycling Crusher System (NSPS & Rule 296.414, F.A.C.)

Note: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

Permit History: Construction Permit 1190045-004-AC modifies Construction Permit 1190045-001-AC. Operation Permit 1190045-002-AO incorporates the provisions of both construction permits. Construction Permit 1190045-001-AC remains active to allow construction of a fourth tile production line.

Title V Applicability: This facility is a synthetic non-Title V minor source, since the permittee requested volatile organic compound (VOC) and particulate matter (PM) emission limitations below the Title V permitting thresholds as defined in Rule 62-210.200, F.A.C., definition of major source of air pollution (Title V source).

Rule Applicability:

Rule 62-296.414, F.A.C. - Concrete Batching Plants.

NSPS Part 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

Attachments to This Permit:

General Conditions, version dated 11/1/2005

Appendix 40 CFR 60 Subpart A - General Provisions

Appendix 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

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SPECIFIC CONDITIONS

A. Facility Wide Conditions

A.1. General Conditions - A part of this permit is the attached 15 General Conditions.
[Rule 62-4.160, F.A.C.]

A.2. Other Requirements - Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Florida Administrative Code Chapters 62-204, 62-210, 62-212, 62-213, 62-296, 62-297 and 62-4 or any other requirements under Federal, State, or Local law.
[Rule 62-210.300, F.A.C.]

Operation and Emission Limitations

A.3. Operating Hours - The facility is permitted to operate continuously (8,760 hours/ year).
[Rule 62-210.200 F.A.C. ("Potential to Emit"); Construction Permit 1190045-001-AC]

A.4. General Standards: Visible Emissions - 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.]

A.5. Hazardous Air Pollutant (HAP) Limitation - Use of raw materials that emit hazardous air pollutants (HAPs) are not allowed at this facility.
[Rule 62-210.200 F.A.C. ("Potential to Emit"); Construction Permit 1190045-001-AC]

A.6. General Standards: Unconfined Particulate Matter - All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provisions in Rule 62-296.320, F.A.C. The following shall constitute reasonable precautions:

- a. Management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:
 1. Paving and maintenance of roads, parking areas, and yards.
 2. Application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions.
 3. Removal of particulate matters from roads and other paved areas under control of the owner or operator to mitigate re-entrainment, and from building or work areas to reduce airborne particulate matter.
 4. Reduction of stockpile height or installation of wind breaks to mitigate wind entrainment of particulate matters from stock piles.

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A.6.a. *(continued)*

5. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- b. Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.

[Rules 62-296.414(2) and 62-296.320(4)(c), F.A.C.; Construction Permit 1190045-001-AC]

A.7. General Standards: Objectionable Odor - The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.

[Rules 62-210.200 and 62-296.320(2), F.A.C.]

A.8. Circumvention - The permittee shall not circumvent any air pollution control device, or allow the emissions of air pollutants without the applicable air pollution control device operating properly.

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

A.9. Excess Emissions (Startup/Shutdown/Malfunction) - Excess emissions resulting from startup, shutdown, or malfunction shall be 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 a longer duration.

(Permitting Note: This condition does not apply to emission units subject to NSPS and/or NESHAPs regulations.)

[Rule 62-210.700(1), F.A.C.]

A.10. Excess Emissions (Poor Maintenance/Operation, Equipment/Process Failure) - 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.

[Rule 62-210.700(4), F.A.C.]

A.11. Accuracy of Equipment - Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.3510(5)(b), F.A.C.]

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Compliance Testing Requirements

A.12. Test Notifications - The permittee shall notify the Air Compliance Section of this office in writing at least 15 days prior to the date on which the compliance test is to begin. The notice shall include, the date, time, and place of each test, and the test contact person who will be responsible for coordinating and having each test conducted.

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

A.13. Test Reports Submittal - All test reports of compliance demonstrations required by this permit shall be submitted to the Air Compliance Section of the Department's Southwest District Office, within forty-five (45) days after the test is complete.

[Rule 62-297.310(8), F.A.C. and 40 CFR 60.8(a).]

A.14. 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 shall 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.]

Recordkeeping And Reporting Requirements

A.15. Records Retention - All daily records required by this permit shall be completed within 3 business days and all monthly records shall be completed by the end of the following month. All records required by this permit shall be maintained at the facility for at least three years, unless otherwise noted, and be made available to the Department for inspection upon request.

[Rule 62-4.160(14)(b), F.A.C.]

A.16. Excess Emissions Reporting - In case of excess emissions resulting from malfunctions, each source shall notify the Department's Southwest District Office in accordance with Section 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.

[Rule 62-210.700(6), F.A.C.]

A.17. Excess Emissions Recordkeeping - The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of this facility which results in excess emissions; any malfunction of the air pollution control equipment; and any periods during which a continuous monitoring system or monitoring device is inoperative. Records shall be maintained at the facility and be available for inspection by the Department upon request.

[Rules 62-4.070(3) and 62-210.700, F.A.C.]

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A.18. Annual Operating Report (AOR) - Each calendar year on or before April 1, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) 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 sent to the to the Air Compliance section of the Southwest District of the Department. The Annual Operating Report shall include the emissions from activities that are "exempt" from permitting, in order to demonstrate continued compliance that this facility is a synthetic non-Title V source.
[Rules 62-4.070(3) and 62-210.370(3), F.A.C.; Construction Permit 1190045-001-AC]

Operation Permit Application

A.19. Operation Permit Revision Application - An operation permit application must be submitted no later than 180 days after the actual startup date of Tile Production Line 4 as specified in the Initial Startup Notification of Specific Condition No. A.13 in Construction Permit 1190045-001-AC.

A.20. Operation Permit Renewal Application - The permittee shall submit a complete renewal application to the Air Permitting Section of the Department's Southwest District Office at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit renewal, the applicant shall submit the following:

- a. appropriate operation permit application form (*see current version of Rule 62-210.900, F.A.C. and/or FDEP Division of Air Resource Management website at <http://www.dep.state.fl.us/air/>*);
- b. appropriate operation permit application fee in accordance with Rule 62-4.050(4)(a), F.A.C.;
- c. copies of the records specified in Specific Condition Nos. B.7, B.8, C.6, D.7 and E.10 for the most recent 2 months of operation;
- d. test reports as required by Specific Condition Nos. A.13.

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

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B. Conditions Specific to EU 001 (Sand, W-10 Aggregate & Shale Receiving & Handling System)

Operations And Emissions Limitations

B.1. Permitted Capacity – The total throughput of sand, W-10 aggregate and shale combined shall not exceed the limit listed in the table below:

Description	Maximum Throughput (Tons/Hour)*	Maximum Throughput (MMTons/ 12 consecutive month period)
Sand, W-10 Aggregate or Shale and Recycle Combined	384	1.11

* Based on daily average throughput

[Rule 62-210.200 F.A.C. (“Potential to Emit”); Construction Permit 1190045-001-AC]

B.2. Visible Emissions (VE) – Visible emissions shall not exceed the limits listed in the table below:

Emission Point No.	Brief Description	Opacity Limit
1	Hopper 1, 2, and 3 to BC-1	10 %
2	Hopper 4, 5, and 6 to BC-2	10 %
3	Hopper 7, 8, and 9 to BC-3	10 %
4	Hopper 10, 11, and 12 to BC-4	10 %
5	BC-1 to BC-5 conveyor drop point.	10 %
6	BC-2 to BC-5 conveyor drop point.	10 %
7	BC-3 to BC-5 conveyor drop point.	10 %
8	BC-4 to BC-5 conveyor drop point.	10 %
9	BC-5 to BC-6 conveyor drop point at the transfer tower structure.	10 %
10	BC-6 to BC-7 screen tower structure	10 %
11	BC-7 to 200-ton storage bin.	10 %
12	200 Ton Storage Bin to BC-9	10 %
13	200 Ton Storage Bin to BC-10	10 %
14	BC-27 to BC-5 conveyor drop point	10 %

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

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Permitting Note: Truck delivery drop points at the 12 receiving hoppers are exempt from the limitations of 40 CFR 60.672 pursuant to 40 CFR 60.672(d).

Compliance Test Methods and Procedures

B.3. Visible Emission (VE) Testing Requirements– In order to determine compliance with the visible emissions limitation of Specific Condition No. B.2., each emission point listed above shall be tested for visible emissions annually between October 1 – September 30 (once per each federal fiscal year). [Rule 62-297.310(7)(a), F.A.C.; Construction Permit 1190045-001-AC]

B.4. VE Test Method – Each emission point listed in Specific Condition No. B.2. shall be tested by a certified observer in accordance with EPA Method 9 and the procedures of 40 CFR 60.11, with the following additions:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- b. 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.
- c. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- d. Test(s) shall be a minimum of 30 minutes in duration.

[40 CFR 60.675(c)(1) and 60.11; Rule 62-297.310(4)(a)2., F.A.C.;]

B.5. Operation Rate During Testing - Visible emissions tests shall be conducted as follows:

- a. Visible emissions tests shall be conducted with the emissions unit operating at 90 to 100 % of the maximum operation rate allowed by the permit (permitted capacity). The test shall be conducted while conveying material at a throughput rate of 384 tons/hour as specified in Specific Condition No. B.1. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions 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. Additionally, the visible emissions tests for emission point no. 10 (BC-6 to BC-7 screen tower structure) shall be conducted without the influence of the dust collection system in emission unit No. 005.
- b. Each test report shall state the actual sand, W-10 aggregate and shale transfer rate during emissions testing. Failure to submit the actual transfer rate for the test period and a copy of the daily log for the test day in the test report may invalidate the test and fail to provide reasonable assurance of compliance.

[Rules 62-4.070(3) and 62-297.310(2), F.A.C. and 40 CFR 60.8(c)]

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B.6. Records Required During VE Test – To demonstrate compliance with Specific Condition No. B.5., the permittee shall maintain the following records for each emission unit during VE Testing:

- a. Facility name, Emission Unit No. (001), date;
- b. start and finish times of the VE test;
- c. material transferred (sand);
- d. total quantity of sand transferred during VE test (in tons);
- e. description of how the quantity of sand transferred is determined;
- f. transfer loading rate in tons/hour.

[Rule 62-4.070(3), F.A.C. and 40 CFR 60.8(c)]

Recordkeeping Requirements

B.7. Daily Throughput Records – To demonstrate compliance with the hourly throughput limit of Specific Condition No. B.1., the permittee shall maintain the following daily records:

- a. Facility name, Emission Unit No. (001), date;
- b. quantity of sand transferred (tons);
- c. quantity of W-10 aggregate (tons)
- d. quantity of shale transferred (tons);
- e. quantity of recycled material transferred (tons);
- f. description of how the quantity of materials transferred is determined;
- g. total quantity of material transferred (tons);
- h. total hours of operation; and
- i. “Daily Average” transfer loading rate (tons/hour).

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

Permitting Note: “Daily Average” is the total amount of material transferred on any given date, divided by the hours of operation during that date.

B.8. Monthly Throughput Records – To demonstrate compliance with the annual throughput limit Specific Condition No. B.1., the permittee shall maintain the following records:

- a. Facility name, Emission Unit No. (001), month, year;
- b. quantity of sand transferred (tons/month);
- c. quantity of W-10 aggregate transferred (tons/month);
- c. quantity of shale transferred (tons/month);
- d. quantity of recycled material transferred (tons/month);
- e. total quantity of material transferred (tons/month); and

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B.8. (continued)

- f. total quantity of material transferred during the last 12 consecutive month period (tons/12 consecutive month period).

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

B.9. Documentation – Records of all supporting documentation necessary to determine sand, W-10 aggregate and shale transfer quantities shall be maintained for each material transfer into the receiving hoppers (see Specific Condition A.15. for record retention requirements).

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

C. Conditions Specific to EUs 002 and 003 (Cement Storage Silos)

Operations and Emissions Limitations

C.1. Visible Emissions (VE) - Visible emissions shall not exceed the limits listed in the table below:

Description	Opacity Limit
Cement Silo (EU. 002 - West)	5 %
Cement Silo (EU. 003 - East)	5 %

[Rule 62-296.414(1), F.A.C.]

Compliance Test Methods and Procedures

C.2. Visible Emission (VE) Testing Requirements– In order to determine compliance with the visible emissions limitation of Specific Condition No. C.1., each baghouse exhaust (2 baghouses per silo) shall be tested for visible emissions annually between October 1 – September 30 (once per each federal fiscal year).

[Rules 62-297.310(7)(a)1., and 62-297.310(7)(a)4.a., F.A.C.]

C.3. VE Test Method – Each silo baghouse exhaust shall be tested by a certified observer in accordance with EPA Method 9 and be a minimum of thirty (30) minutes or, if the operation is normally completed within less than 30 minutes and does not recur within that time, the test shall last for the length of the silo loading operation. The VE test observation period shall include the period which the highest opacity emissions can reasonably be expected to occur.

[Rules 62-296.414(3) and 62-297.310(4)(a)2., F.A.C.]

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C.4. Operating Rate During Testing – Visible emissions tests of each silo dust collector shall be conducted as follows:

- a. Visible emissions tests of each silo dust collector exhaust points shall be conducted while loading the silo(s) at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice.
- b. Each test report shall state the actual silo loading rate during emissions testing. Failure to submit the actual loading rate for the test period in the test report may invalidate the test and fail to provide reasonable assurance of compliance.

[Rules 62-4.070(3) and 62-296.414(3), F.A.C.]

C.5. Records Required During VE Test – To demonstrate compliance with Specific Condition No. C.4, the permittee shall maintain the following records for each emission unit during VE Testing:

- a. Facility name, Emission Unit No. (002 or 003), date;
- b. start and finish times of each silo loading;
- c. total quantity of cement loaded (tons);
- d. description of how the quantity of cement loaded is determined; and
- e. silo loading rate in tons/hour.

[Rules 62-4.070(3) and 62-296.414(3), F.A.C.]

Recordkeeping Requirements

C.6. Monthly Cement Silo Loading Records – The permittee shall maintain the following monthly records:

- a. Facility name, Emission Unit No. (002 or 003), month, year;
- b. total quantity of cement loaded during the month for each emission unit (tons/month);
- c. description of how the quantity of cement loaded is determined;
- d. total quantity of cement loaded for the facility during the month (tons/month); and
- e. total quantity of cement loaded for the facility during the last 12 consecutive month period (tons/12 consecutive month period).

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

C.7. Documentation – Records of all supporting documentation necessary to determine cement transfer quantities shall be maintained (see Specific Condition A.15. for record retention requirements).

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

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D. Conditions Specific to EU 004 (Tile Production Building)

Operations And Emissions Limitations

D.1. Emissions Limits – Total emissions of VOCs from this facility shall not exceed the following:

Pollutant	Emissions (tons per any consecutive 12-month period)
VOC	25.0

[Rule 62-210.200 F.A.C. (“Potential to Emit”); Construction Permit 1190045-001-AC]

D.2. Visible Emissions (VE) - Visible emissions from the tile production building shall not exceed the limits listed in the table below:

Emission Point No.	Brief Description	Visible Emissions Limit
15	North Side of Building	No visible emissions
16	South Side of Building	No visible emissions
17	East Side of Building	No visible emissions
18	West Side of Building	No visible emissions
19	Roof of Building	No visible emissions

[40 CFR 60.672(e) and 40 CFR 60.675(d)]

Compliance Test Methods and Procedures

D.3. Visible Emission (VE) Testing Requirements– In order to determine compliance with the visible emissions limitation of Specific Condition No. D.2. each emission point listed shall be tested for visible emissions annually between October 1 – September 30 (once per each federal fiscal year).

[Rule 62-297.310(7)(a), F.A.C.; Construction Permit 1190045-001-AC]

D.4. VE Test Method - In determining compliance with Specific Condition No. D.2, the owner or operator shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected activities inside the building are operating. 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.

[40 CFR 60.675(d)]

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D.5. Operation Rate During VE Testing - Visible emissions tests of each emission point shall be conducted as follows:

- a. Visible emissions tests for the building shall be conducted while transferring materials at a rate that is representative of the normal transfer rate. All three tile lines must run simultaneously and be producing tile during the test.
- b. Each test report shall state the actual material transfer rate during emissions testing. Failure to document that all three tiles lines were running simultaneously and that tile was being produced in the test report may invalidate the test and fail to provide reasonable assurance of compliance.

[Rule 62-4.070(3), F.A.C. and 40 CFR 60.8(c)]

D.6. Records Required During VE Test - To demonstrate compliance with Specific Condition No. D.5., the permittee shall maintain the following records for each emission unit during VE Testing:

- a. Facility name, Emission Unit No. (004), date;
- b. production lines in operation during VE test;
- c. start and finish time of the VE test;
- d. type and percentage of material transferred during test (e.g., 20% sand, 30% W-10 aggregate, 50% cement);
- e. total quantity of materials transferred during the test (tons); and
- f. actual combined transfer rate during the test (tons/hour).

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

Recordkeeping Requirements

D.7. VOC Recordkeeping - The permittee shall maintain monthly records to document compliance with Specific Condition No. D.1. The records shall include, but are not limited to, the following:

- a. Facility name, Emission Unit No. (004), month and year.
- b. List, by name or identification number, of each release agent, oil, sealer, coating, equipment solvent wash, or other VOC containing material used in association with the tile manufacturing process during the month and the amount of each used, in gallons.
- c. VOC content (in lbs/gal) for each material listed in item b. from the MSDS of the material, or other acceptable documentation of the material.
- d. VOC emissions for each material, using the following general equation:

$$\text{VOC Emissions} = \text{Usage (gal)} \times \text{VOC Content (lbs/gal)} \times \text{Emission Factor*}$$

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D.7. (continued)

**Note: Until the applicant applies for and receives a different emission factor determination from the Department, emissions for all VOC containing material shall be calculated using an emission factor of 1.0.*

- e. Total VOC emissions for the most recent month (lbs/month).
- f. Total VOC emissions for the most recent consecutive 12-month period (tons/12 consecutive month period).

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190045-001-AC]

D.8. Documentation - Records of all calculations and supporting documentation ("As Supplied", "As Applied" records, MSDS Sheets, EPA data sheets, etc.) shall be kept for each release agent, oil, sealer, coating, equipment solvent wash, or other VOC containing material used in association with the tile manufacturing process which includes sufficient information to determine VOC emissions. At the permittee's option, "purchases" may be used where "usage" is specified provided no materials are used that are not purchased (see Specific Condition A.15. for record retention requirements).

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

E. Conditions Specific to EU 005 (Reject Tile Recycling Crusher System)

Operations and Emissions Limitations

E.1. Permitted Capacity - The VSI Crusher throughput rate is limited as follows:

Description	Maximum Throughput (Tons/Hour)
VSI Crusher	30*

** Permitting Note: Hourly rate is for emissions testing only - permittee is not required to show compliance rate during normal operation.*

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190045-001-AC]

E.2. Particulate Matter Emissions (PM) - Particulate Matter (PM) emissions shall not exceed the limits listed in the table below:

Description	Limits
Reject Tile Dust Collector System Baghouse	0.05 g/dscm (0.022 grains/dscf)

[40 CFR 60.672(a)]

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E.3. Visible Emissions (VE) – Visible emissions shall not exceed the limits listed in the tables below:

Description	Opacity Limit
Reject Tile Dust Collector System Baghouse	5 %*

* Permitting Note: This emission limitation is stricter than the limitation of 40 CFR 60.672(a)(2)

[Rule 62-296.414(1), F.A.C.]

Compliance Test Methods and Procedures

E.4. Particulate Matter (PM) Testing - In order to document compliance with the PM emission limitation of Specific Condition No. E.2., the baghouse exhaust shall be tested for particulate matter emissions during the year prior to the five-year anniversary of the initial particulate matter compliance test, i.e., 6/12/2011 – 6/12/2012.

[Rules 62-210.300(3)(c)2.i and 62-297.310(7)(a), F.A.C.]

E.5. Visible Emission (VE) Testing - In order to determine compliance with the visible emissions limitation of Specific Condition No. E.3. the baghouse exhaust shall be tested for visible emissions annually between October 1 – September 30 (once per each federal fiscal year).

[40 CFR 60.11 and Rule 62-297.310(7)(a), F.A.C.]

E.6. Particulate Matter (PM) Test Method - The baghouse exhaust shall be tested in accordance with EPA Method 5 or Method 17 to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (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 121 °C (250 °F), to prevent water condensation on the filter.

[40 CFR 60.675(b)]

E.7. Visible Emission (VE) Test Method - Visible emission testing shall be conducted in accordance with EPA Method 9, contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-204.800, F.A.C. The visible emissions compliance test shall be conducted by a certified observer and be a minimum of 30 minutes in duration. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur.

[40 CFR 60.11 and Rules 62-296.414(3), and 62-297.310(4)(a)2, F.A.C.]

E.8. Operation During Testing - Visible emissions and particulate matter testing shall be conducted as follows:

- a. Emissions testing shall be conducted with emission unit 001 operating at a rate that is representative of the normal operation rate and the VSI Crusher operating at 90 to 100 % of the maximum operation rate allowed by the permit (permitted capacity). If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test

E.8.a. (continued)

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.

- b. Each test report shall state the actual VSI crusher throughput rate during emissions testing. Failure to submit the actual throughput rate for the test period may invalidate the test and fail to provide reasonable assurance of compliance.

[Rules 62-4.070(3) and 62-297.320(2), F.A.C.]

E.9. VSI Crusher Throughput Rate during VE Test - To demonstrate compliance with Specific Condition No. E.8., the permittee shall maintain the following records for each emission unit during VE testing:

- a. Facility name, Emission Unit No. (005), date;
- b. start and finish times of VSI Crusher;
- c. total amount of throughput (in tons);
- d. description of how the throughput in tons is determined; and
- e. VSI throughput rate in tons/hour.

[Rules 62-4.070(3) and 62-297.320(2), F.A.C.]

Recordkeeping Requirements

E.10. Monthly Crusher Throughput Records - The permittee shall maintain the following monthly records:

- a. Facility name, Emission Unit No. (005), month, year;
- b. total throughput of feed material (reject tiles) (tons/month);
- c. total throughput of feed material (from fines material loading hopper) (tons/month);
- d. total throughput of feed material (reject tiles) during the last 12 consecutive month period (tons/12 consecutive month period);
- e. description of how the throughput of feed material is determined; and
- f. total throughput of feed material (from fines material loading hopper) during the last 12 consecutive month period (tons).

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

E.11. Documentation - Records of all supporting documentation necessary to determine feed material throughput quantities shall be maintained (see Specific Condition A.15. for record retention requirements).

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

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F. Common Conditions for Emission Unit Nos. 001, 004, 005

F.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 and GENERAL PROVISIONS – Title 40 Code of Federal Regulations, Subpart A, which are 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)
- 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.