



Florida Department of Environmental Protection

Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

NOTICE OF FINAL PERMIT

ELECTRONIC MAIL

kderocker@increte.com

In the Matter of an
Application for Permit by:

Mr. Ken DeRocker
Vice President and General Manager
The Euclid Chemical Company
1611 Gunn Highway
Odessa, FL 33556-5311

DEP File No. 1010509-001-AC
Pasco County

Dear Mr. DeRocker:

Enclosed is Final Permit Number 1010509-001-AC. This permit authorizes The Euclid Chemical Company the after-the-fact construction of an existing decorative concrete systems product manufacturing facility. This facility is located at 1611 Gunn Highway, Odessa, Pasco County, Florida. This permit is issued pursuant to Section(s) 403.087, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Mara Grace Nasca

Mara Grace Nasca
District Air Program Administrator
Southwest District

MGN/JLM/pp

Enclosures

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final Permit) was sent by electronic mail before the close of business on 05-28-2009 to the person(s) listed:

Mr. Ken DeRocker
Vice President & General Manager
The Euclid Chemical Company
kderocker@increte.com

Mr. Robert Fox, P.E.
Environmental Resources Management
bob.fox@erm.com

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.


(Clerk)

05-28-2009
(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>



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PERMITTEE:

The Euclid Chemical Company
1611 Gunn Highway
Odessa, FL 33556-5311

Final Permit No.: 1010509-001-AC**County:** Pasco**Effective Date:** 05/28/2009**Expiration Date:** 02/15/2011**Project:** Decorative Concrete Systems
Product Manufacturing Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) 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 after-the-fact construction of a natural non-Title V decorative concrete systems product manufacturing facility. The facility consists of three (3) buildings with street addresses at 1611/1725/1733 Gunn Highway and manufactures decorative concrete systems that economically recreate the look of natural stone, wood, tile, brick, and pavers. The facility produces the following types of liquid and dry products packaged in retail and commercial quantities:

- | | |
|-------------------|------------------|
| - Concrete Stains | - Retardants |
| - Chemical Stains | - Grouts |
| - Sealants | - Admixtures |
| - Color Hardeners | - Epoxy Coatings |
| - Color Releasers | - High Gloss Wax |

The facility also makes molds called "stamps" or "liners" and texturing tools used with their products to create desired architectural textures and patterns.

Production operations conducted at the facility include receiving/storing raw materials, mechanical mixing of liquid organic and inorganic products, mechanical blending of dry inorganic products, packaging and labeling of liquid and dry products, producing texture molds (i.e., stamps and liners), preparing product samples, assembling proprietary mechanical mixing systems, and warehousing of finished products.

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The air emission sources at this facility are as described below:

Permitted Emissions Unit(s)

Emission Unit ID No. 001 - Solvent Based Stain Production

Solvent based stain production is located in the middle facility building (1725 Gunn Highway) and is subject to the requirements of Rule 62-296.320, F.A.C. The stains are produced on a batch basis using five (5) variously-sized mixers located along the west and north walls of the production area. Raw materials are fed from three (3) exempt storage tanks and pumped and/or manually poured into the mixers for each individual batch. Once mixed to specification, the stains are dispensed directly from the mixers into product containers supplied from an off-site vendor.

Concrete Batching Operations (Powder Department)

Concrete batching operations are located in the middle facility building (1725 Gunn Highway) and are subject to the requirements of Rule 62-296.414, F.A.C. This operation involves the mechanical blending of cement hardeners, grouts, powder color releases, and dry integral colorants. The operations also include the two (2) cement storage silos, two (2) sand storage silos, and weigh hopper (w/transfer pod) located outside the south side of the building. The emission units for the operations and silos are described as follows:

Emission Unit ID No. 002 – Cement Storage Silo No. 1 (northeast)

This silo pneumatically receives cement from trucks at a normal transfer rate of 10 tons/hr. and emissions are controlled by its own baghouse.

Emission Unit ID No. 003 – Cement Storage Silo No. 2 (southeast)

This silo pneumatically receives cement from trucks at a normal transfer rate of 10 tons/hr. and emissions are controlled by its own baghouse.

Emission Unit ID No. 004 – Sand Storage Silo No. 1 (northwest)

This silo pneumatically receives sand from trucks at a normal transfer rate of 16 tons/hr. and emissions are uncontrolled.

Emission Unit ID No. 005 – Sand Storage Silo No. 2 (southwest)

This silo pneumatically receives sand from trucks at a normal transfer rate of 16 tons/hr. and emissions are uncontrolled.

Emission Unit ID No. 006 – Weigh Hopper (w/transfer pod)

The uncontrolled weigh hopper (w/transfer pod) receives cement and/or sand from the storage silos by a screw auger at a maximum daily average batch amount of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.).

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Emission Unit ID No. 007 – Three (3) Receiving Bins

The weigh hopper (w/transfer pod) pneumatically transfers the batch of dry product mix to any one (1) of three (3) receiving bins located on the roof of the building at a maximum daily average batch amount of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.). Only one (1) receiving bin can be actively loaded at any one (1) time from the transfer pod. Emissions from the receiving bins and three (3) mixers (see below) are controlled by a common Torit baghouse that vents outside the west wall of the building.

Emission Unit ID No. 008 – Three (3) Mixers

The batched dry product mix in each receiving bin is transferred by gravity to its associated mixer located inside the building at a maximum daily average transfer amount of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.). Only one (1) mixer may be actively loaded at any one (1) time. Emissions from the three (3) receiving bins (see above) and the three (3) associated mixers with their chute for packaging equipment are controlled by a common Torit baghouse that vents outside the west wall of the building. All three (3) mixers may operate simultaneously when the three (3) receiving bins are not actively receiving material.

The operating scenario that is expected to produce the highest emissions to occur from the common Torit baghouse would be when simultaneously one (1) receiving bin is being actively filled, one (1) mixer is being actively filled, and the other two (2) mixers are operating. This operating scenario would be considered operating at a maximum total batch amount of 9,000 lbs./batch, which is based on a typical 15 minute batch period.

Also inside the building there are six (6) mixers/blenders that are charged manually and vent inside the building. Once the materials are mixed/blended, the various products are packaged inside the building in vendor-supplied bags/pails or in two (2) stand alone filling stations that are fed from portable totes.

Exempt Emission Source(s)

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

Southernmost Facility Building (1611 Gunn Highway)

- The Mold Shop, pursuant to Rule 62-210.300(3)(b)1., F.A.C., which includes the following:

Master tools are constructed of batched-mixed two-part epoxy resin with plasticizer additive and inert solid filler.

Molds are cast of polyurethane polymer produced as an elastomer for stamps and as flexible foam for liners. The polyurethane polymers are produced by feeding the two-part components from raw

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material totes into dedicated dispensers that mix the components and feed them into the master mold boxes where they react and cure into the desired shape.

The Mold Shop's flexible foam production station is subject to the non-unit specific requirements of Title 40, Code of Federal Regulations (CFR), Part 63, Subpart OOOOOO – National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources (Attachment A) and Title 40, CFR, Part 63, Subpart A – General Provisions (Attachment B).

- A mechanical assembly area for proprietary bulk concrete product mixing systems.
[Rule 62-210.300(3)(b)1., F.A.C.]
- A small general maintenance shop for the facility.
[Rule 62-210.300(3)(b)1., F.A.C.]
- The Sample Department, located outside the northwest corner of the building, which involves the casting, curing, staining, and sealing of sample panels (1 – 2 foot square) produced for sales demonstration purposes.
[Rule 62-210.300(3)(b)1., F.A.C.]

Middle Facility Building (1725 Gunn Highway)

- Water based sealer production, located in the southeast quadrant of the building, which involves the blending of water based liquid on a batch basis using low-speed mixing tanks. Water is supplied to this process from the potable supply system to the property and the other raw materials are pumped or manually poured into the mixers for each individual batch. Once blended, the sealers are dispensed directly from the mixers into vendor-supplied product containers.
[Rule 62-210.300(3)(b)1., F.A.C.]

Northernmost Facility Building (1733 Gunn Highway)

- The Slurry Department, located in the southwest quadrant of the building, which involves the blending of water based liquid integral concrete colorant and concentrated liquid mulch stains. Water is supplied to this process from the potable supply system to the property and the other raw materials are manually added to the mixers for each individual batch. Once blended, the colorants and stains are dispensed directly from the mixers into vendor-supplied product containers.
[Rule 62-210.300(3)(b)1., F.A.C.]
- The Acid Department, located in the northern most quadrant of the building, which involves the blending of muriatic acid (hydrochloric acid) based concrete stains. The acid is dispensed from an

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elevated tote into six (6) air actuated mixing tanks. Water and metal salt colorants are manually added to the tanks to specification and the batch is agitated and the finished stain is dispensed directly into vendor supplied product containers.

[Rule 62-210.300(3)(b)1., F.A.C.]

Miscellaneous Activities

- 6,000 gallon capacity Storage Tank (Blend 1). [Rule 62-210.300(3)(b)1., F.A.C.]
- 6,000 gallon capacity Storage Tank (Blend 3). [Rule 62-210.300(3)(b)1., F.A.C.]
- 6,000 gallon capacity Storage Tank (Solution Acrylic Tank). [Rule 62-210.300(3)(b)1., F.A.C.]
- Product Labeling. [Rule 62-210.300(3)(b)1., F.A.C.]
- Contractor product demonstration and training. [Rule 62-210.300(3)(b)1., F.A.C.]
- Sales Showroom. [Rule 62-210.300(3)(b)1., F.A.C.]
- Facility Maintenance. [Rule 62-210.300(3)(b)1., F.A.C.]
- Administrative Support. [Rule 62-210.300(3)(b)1., F.A.C.]

Facility Information Summary

Location: The facility is located in three (3) buildings 1611/1725/1733 Gunn Highway, Odessa

UTM Coordinates: 17-343.64E 3118.55N

Latitude: 28°11'00" North

Longitude: 82°35'34" West

Facility ID No.: 1010509

Emission Unit ID Nos.: 001 – Solvent Based Stain Production

002 – Cement Storage Silo No. 1 (northeast) w/baghouse

003 – Cement Storage Silo No. 2 (southeast) w/baghouse

004 – Sand Storage Silo No. 1 (northwest)

005 – Sand Storage Silo No. 2 (southwest)

006 – Weigh Hopper (w/transfer pod)

007 – Three (3) Receiving Bins w/common baghouse

008 – Three (3) Mixers w/common baghouse

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

Permit History

This is the facility's first air pollution permit.

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Attachment(s) to this permit:

- General Conditions, version dated 11/1/2005
- Attachment A: Title 40, Code of Federal Regulations (CFR), Part 63, Subpart OOOOOO – National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources
- Attachment B: Title 40, CFR, Part 63, Subpart A – General Provisions

SPECIFIC CONDITIONS:

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. This facility is subject to Title 40, Code of Federal Regulations (CFR), Part 63, Subpart OOOOOO – National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources (Attachment A) and Title 40, CFR, Part 63, Subpart A – General Provisions (Attachment B).
[Rule 62-210.300, F.A.C.]

3. Construction Permit Requirements: Unless exempt from permitting pursuant to paragraph 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to 40 CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the air pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of this chapter, Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C.
[Rule 62-210.300(1)(a), F.A.C.]

4. Hours of Operation: This facility is allowed to operate 8,760 hrs./yr.
[Rule 62-210.200(PTE), F.A.C.]

5. General Particulate Emission Limiting Standards. General Visible Emissions Standard:
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 Rule 62-297.401, F.A.C.
[Rules 62-296.320(4)(b)1., 62-296.320(4)(b)4., and 62-297.401, F.A.C.]

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6. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited: 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 defined as 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.]

7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. The permittee shall comply with the following:

- A. All equipment, pipes, hoses, lids, fittings, etc., shall be operated and maintained in such a manner as to minimize leaks, fugitive emission, and spills of solvent materials that contain VOC's and/or OS's.
- B. Excess solvents from solvent washings that contain VOC's and/or OS's shall be directed into containers that prevent evaporation into the atmosphere.

[Rule 62-296.320(1), F.A.C.]

8. Unconfined Emissions of Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions to be taken include the following:

- A. Paved parking and trafficked areas shall be maintained and kept free of particulate matter build-up.
- B. Exercise good housekeeping practices at all times.
- C. A responsible facility employee shall check the storage silo's level during filling to avoid overfilling.
- D. After filling the storage silo(s), a responsible facility employee shall check for any leaked material and shall promptly initiate steps to sweep up such material for proper disposal.

{Permitting Note: Also see Specific Condition No. F.2.}

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

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9. Reasonable Assurance Requirement: In order to provide reasonable assurance the control measures or practices at this facility are adequate, all sources of unconfined emissions should not exceed 5% opacity. If this opacity limit is exceeded, it shall not be considered a violation in and of itself, but an indication additional control measures or practices may be necessary.

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

10. Circumvention of Control Equipment – The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control device (baghouse for E.U. No. 002, baghouse for E.U. No. 003, and common baghouse for E.U. Nos. 007 & 008) operating properly. Increasing the volume of any exhaust stream for the purpose of reducing stack exhaust concentrations is forbidden. This includes allowing dilution air to enter the system through leaks, open vents, or similar means.

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

11. Records Retention: The records required by Specific Condition Nos. A.2., B.2., C.2., D.2., and E.3. shall be recorded in a permanent form suitable for inspection by the Department upon request. The records and any supporting information shall be retained at the facility for a minimum of three (3) years. Daily records shall be completed by the end of the third business day and monthly records shall be completed by the end of the following month. **Note, the requirements of this condition do not supersede the more stringent requirements of Title 40, Code of Federal Regulations, Part 63, Subpart OOOOOO – National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources.**

[Rules 62-4.070(3) and 62-4.160, F.A.C.]

12. Operating Application Requirement: An application for an operating permit shall be submitted to the Air Permitting Section of the Department's Southwest District Office no later than 120 days after the effective date of this permit. To properly apply for an operation permit, the applicant shall submit the following:

- A. A copy of the most recent month of records as required by Specific Condition No. A.2., B.2., C.2., D.2. and E.3., if applicable.
- B. A copy of the visible emission test reports required by Specific Condition No. F.4., if not previously submitted.
- C. The appropriate Department application form [see Rule 62-210.900, F.A.C. (Forms and Instructions)].
- D. The appropriate operation permit application fee, pursuant to Rule 62-4.050, F.A.C. {Permitting Note: Based on the facility's configuration as described in this permit, Emission Unit Nos. 002 & 003 are considered similar sources, Emission Unit Nos. 004 & 005 are considered similar sources, and Emission Unit Nos. 007 and 008 are considered similar sources.}.

[Rules 62-4.050, 62-4.070(3), 62-210.300(2), 62-210.900 and 62-296.310(7)(a)1., F.A.C.]

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The following conditions apply to EU ID No. 001 – Solvent Based Stain Production:

A.1. Emission Limitations: Emissions from this emission unit shall comply with the following:

- A. Volatile organic compound (VOC) emissions shall not exceed 4.9 tons per any consecutive 12-month period.
- B. Total HAP (THAP) emissions shall not exceed 4.9 tons per any consecutive 12-month period.

[Rules 62-4.070(3) and 62-210.200 (Definition of Potential to Emit), F.A.C.]

A.2. Monthly Recordkeeping Requirements: In order to demonstrate compliance with the emission limitations of Specific Condition No. A.1., the permittee shall monthly record the following:

- A. Facility Name, Facility ID No. (1010509), Emission Unit ID No. (001)
- B. Month/Year
- C. The name/identification of each VOC and HAP containing material used.
- D. The VOC and/or HAP content in each material used.
- E. The amount of each material used for the month. (Note: At the permittee's option the assumption may be made that material purchases equal material usage, provided no materials are used that are not purchased.)
- F. Calculate and record the VOC emissions from each material (based on amount of material used and VOC content) along with the total emissions, in tons, from all the materials.
- G. Calculate and record the THAP emissions from each material (based on the total emissions of each individual HAP from the amount of materials used) along with the total emissions, in tons, from all the materials.
- H. Calculate and record the most recent consecutive 12-month period total of VOC emissions, in tons.
- I. Calculate and record the most recent consecutive 12-month period total of THAP emissions, in tons.

Supporting documentation (MSDS sheets, "As Supplied" sheets, purchase orders, purchase records, inventory records, production records, etc.), which includes sufficient information to determine emissions shall also be kept. [Rules 62-4.070(3) and 62-4.160, F.A.C.]

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The following conditions apply to EU ID No. 002 Cement Storage Silo No. 1 (northeast) and EU ID No. 003 – Cement Storage Silo No. 2 (southeast):

B.1. Permitted Capacity Limitations: Both silos shall not receive more than a total combined amount of 24,295 tons of cement per any consecutive 12-month period. {Permitting Note: Each silo normally receives cement at 10 tons/hr. from a truck.}

[Rule 62-210.200 (Potential to Emit), F.A.C.]

B.2. Recordkeeping Requirements: The permittee shall record the following:

A. For each silo: Record the following for each delivery of cement:

1. The Date, Facility ID No. (1010509), Emission Unit No. (i.e., 002 or 003), and source name (i.e., Cement Storage Silo No. 1);
2. The amount of cement received, in tons;
3. Start time of transferring the cement from the truck to the silo;
4. End time of transferring cement from the truck to the silo;
5. Total time of transferring cement from the truck to the silo; and
6. The actual transfer rate of cement from the truck to the silo, in tons/hr.

B. Each month record for both silos the Month/Year, Facility ID No. (1010509), Emission Unit Nos. 002 and 003, source names (Cement Storage Silo Nos. 1 and 2), and the most recent consecutive 12-month total combined amount of cement received in tons.

[Rule 62-210.200, F.A.C. (Definition of Potential to Emit), F.A.C.]

The following conditions apply to EU ID No. 004 – Sand Storage Silo No. 1 (northwest) and EU ID No. 005 – Sand Storage Silo No. 2 (southwest):

C.1. Permitted Capacity Limitations: Both silos shall not receive more than a total combined amount of 48,662 tons of sand per any consecutive 12-month period. {Permitting Note: Each silo normally receives sand at 16 tons/hr. from a truck.}

[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

C.2. Recordkeeping Requirements: The permittee shall record the following:

A. For each silo: Record the following for each delivery of cement:

1. The Date, Facility ID No. (1010509), Emission Unit No. (i.e., 004 or 005), and source name (i.e., Sand Storage Silo No. 1);
2. The amount of sand received, in tons;
3. Start time of transferring the sand from the truck to the silo;

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4. End time of transferring sand from the truck to the silo;
 5. Total time of transferring sand from the truck to the silo; and
 6. The actual transfer rate of sand from the truck to the silo, in tons/hr.
- B. Each month record for both silos the Month/Year, Facility ID No. (1010509), Emission Unit Nos. 004 and 005, source names (Sand Storage Silo Nos. 1 and 2), and the most recent consecutive 12-month total combined amount of sand received in tons.

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

The following conditions apply to EU ID No. 006 – Weigh Hopper (w/transfer pod):

D.1. Operational Limitation: The transfer rate of cement and/or sand from the four (4) storage silos shall not exceed a maximum daily average batch amount of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.).

[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

D.2. Recordkeeping Requirements: When this emission unit is operating, the permittee shall daily record the following:

- A. The Date, Facility ID No. (1010509), Emission Unit No. 006, and the source name (Weigh Hopper w/transfer pod);
- B. The total number of batches;
- C. The total amount of material transferred, in lbs.; and
- D. The daily average batch amount, in lbs./batch.

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

The following conditions apply to EU ID No. 007 – Three (3) Receiving Bins and EU ID No. 008 – Three (3) Mixers:

E.1. Permitted Capacity Limitation: These emission units shall comply with the following:

- A. The transfer amount of cement and/or sand from the weigh hopper (w/transfer pod) to a receiving bin shall not exceed a maximum daily average batch amount of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.). **This amount is considered the same as determined for the weight hopper, since each individual batch is not mixed with other batches. The records for the weight hopper (w/transfer pod) shall serve as demonstrating compliance.**

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- B. The transfer amount of cement and/or sand from a receiving bin to its associated mixer shall not exceed a maximum daily average batch amount of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.). **This amount is considered the same as determined for the weight hopper and the receiving bins, since each individual batch is not mixed with other batches. The records for the weight hopper (w/transfer pod) shall serve as demonstrating compliance.**

[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

E.2. Operational Requirements: These emission units shall comply with the following:

- A. Only one (1) of the three (3) receiving bins at any one (1) time may be actively loaded with cement and/or sand from the weigh hopper (w/transfer pod).
- B. Only one (1) of the three (3) mixers may be actively loaded at any one (1) time.
- C. The operating scenario that is expected to produce the highest emissions to occur from the common Torit baghouse would be when simultaneously one (1) receiving bin is being actively filled, one (1) mixer is being actively filled, and the other two (2) mixers are operating. This operating scenario would be considered operating at a maximum total batch amount of 9,000 lbs./batch (4,500 + 4,500), which is based on a typical 15 minute batch period.

[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

E.3. Recordkeeping Requirements: If the most recent visible emission test was not conducted within 90-100% of maximum total batch amount of 9,000 lbs./batch and simultaneously when two (2) mixers are operating, daily record when operating the total combined daily average batch amount of the receiving bin and mixer, in lbs./batch, and how many mixers are operating simultaneously until a new test is conducted within 90- 100% of maximum total batch amount of 9,000 lbs./batch and simultaneously when two (2) mixers are operating. The records shall include the Date, Facility ID No. (1010509), Emission Unit No. 007, Emission Unit No. 008, and the source names (i.e., Three (3) receiving bins & Three (3) mixers).

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

The following requirements apply to this Emission Unit Nos. 002, 003, 004, 005, 006, 007, and 008:

F.1. Stack Emission Limitations: Emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity.

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

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F.2. Unconfined Emissions Requirements: The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards as required by Rule 62-296.320(4)(c), F.A.C. For concrete batching plants 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 matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from building or work areas to reduce airborne particulate matter.

{Permitting Note: Also see Specific Condition No. 8.}
[Rules 62-4.070(3) and 62-296.414(2)(a), F.A.C.]

F.3. Visible Emission Testing Requirements: These seven (7) emission units shall each be tested for visible emissions at their six (6) discharge points (E.U. Nos. 007 and 008 vent through a common header to the Torit baghouse that has a single vent outside the building) within 60 days after the effective date of this permit and annually thereafter during each federal fiscal year (October 1 – September 30).
[Rules 62-297.310 and 62-296.414, F.A.C.]

F.4. Test Methods and Procedures: All emission tests performed shall comply with the following requirements:

- A. The test method for visible emissions shall be DEP Method 9, incorporated in Chapter 62-297, F.A.C. Each test shall be conducted by a certified observer and be a minimum of 30 minutes in duration, 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 normal process operation. The visible emission test observation period shall include the period which the highest opacity emissions can reasonably be expected to occur.
- B. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
- C. Visible emission tests of each silo shall be conducted while loading the silo 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. Each test report shall state the actual silo

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loading rate during the emission test period and include a copy of the most recent month of records as required by Specific Condition Nos. B.2. through C.2., as appropriate.

{Permitting Note: The cement storage silos are expected to be loaded at normal rate of 10 tons/hr. and the sand storage silos are expected to be loaded at a normal rate of 16 tons/hr.}

- D. Visible emission testing of the uncontrolled weigh hopper shall be conducted within 90 – 100% of the maximum permitted capacity of 4,500 lbs./batch when transferring a typical blend of cement and sand. Each test report shall state the actual batch amount during the emission test period and a copy of the most recent month of records required by Specific Condition No. D.2. If it is impracticable to test at the maximum 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 (batch amount) 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 maximum permitted capacity. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested batch amount, plus 10%, but in no case shall the maximum permitted capacity of 4,500 lbs./batch when transferring a typical blend of cement and sand be exceeded.
- E. Visible emission testing of the three (3) receiving bins and three (3) mixers, which are controlled by a common baghouse, shall be conducted when simultaneously one (1) receiving bin is being actively filled, one (1) mixer is being actively filled, and the other two (2) mixers are operating. This operating scenario would be considered operating at a maximum total batch amount of 9,000 lbs./batch (4,500 + 4,500), which is based on a typical 15 minute batch period. Each test report shall state the actual total batch amount during the test period, a statement of which equipment was being actively loaded and/or operated, and copy of the records required in Specific Condition No. E.3. If it is impractical to test within 90 – 100% of the maximum total batch amount of 9,000 lbs./batch and simultaneously when two (2) mixers are operating, an emission unit may be tested at less than the maximum total batch amount, with fewer than two (2) mixers operating simultaneously; in this case, subsequent emission unit operation is limited to 110 percent of the test rate (batch amount) and the number of mixers operating simultaneously until a new test is conducted. Once the unit is so limited, operation at a higher total batch amount and the number of mixers operating simultaneously is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the maximum total batch amount and when simultaneously two (2) mixers are operating. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested batch amount, plus 10%, and the number of mixers operating simultaneously, but in no case shall the maximum total batch amount of 9,000 lbs./batch and the simultaneously operation of two (2) mixers when transferring a typical blend of cement and sand be exceeded.

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F. All test reports shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing.

[Rules 62-296.414, 62-297.310, 62-297.310(8), and 62-4.070(3), F.A.C.]

F.5. Testing Notification: The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the 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.

{Permitting Note: The notification should include: 1) the emission unit ID No(s); 2) test method(s); and 3) the pollutant(s) to be tested.}

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

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Mara Grace Nasca
District Air Program Administrator
Southwest District