**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

# FINAL PERMIT

**PERMITTEE**

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

Authorized Representative:
Mr. Ken DeRocker,
Vice President and General Manager

Air Permit No. 1010509-004-AC
Permit Expires: 5/31/2014
Minor Air Construction Permit
Project Name: Install Dust Collection System / Reassign EUs

This is the final air construction permit for the installation of a new dust collection system that will control emissions from existing mixing and packaging equipments in the facility's production building. This project will also reassign the facility's six existing emissions units into two emissions units. The proposed work will be conducted at the Euclid Chemical Company facility (Standard Industrial Classification No. 2899). The facility is located in Pasco County at 1611 Gunn Highway in Odessa, Florida. The UTM coordinates are Zone 17, 343.6 km East, and 3118.5 km North. As noted in the Final Determination provided with this final permit, no changes or only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, 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 (Mail Station #35, 3900 Commonwealth Boulevard, 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 30 days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida

_____ _____

Kelley M. Boatwright Effective Date
District Air Program Administrator
Southwest District

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on the date indicated below to the persons listed below.

Mr. Ken DeRocker, The Euclid Chemical Company (kderocker@increte.com)

Mr. Joseph L. Tessitori, P.E., Ecology and Environmental, Inc. (jtessitore@ene.com)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

_____

(Clerk) (Date)

## FACILITY AND PROJECT DESCRIPTION

### Existing Facility

This facility is a decorative concrete systems product manufacturing facility. The facility consists of three 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 (water-based)
- Chemical Stains (water-based)
- Sealants
- Color Hardeners
- Color Releasers
- Retardants
- Grouts
- Admixtures
- Epoxy Coatings
- 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.

The existing facility consists of the following emissions units.

Facility ID No. 1010509

| EU ID No. | Emission Unit Description |
|---|---|
| 002 | Cement Storage Silo No. 1 (northeast)(shares a common baghouse w/ EU Nos. 003, 004, 005, and 006) |
| 003 | Cement Storage Silo No. 2 (southeast) |
| 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 (share a common Torit baghouse w/ EU No. 008) |
| 008 | Three (3) Mixers (share a common Torit baghouse w/ EU No. 007) |

**Project Description and Affected/Proposed Emission Units**

This project will add a new emissions unit (EU No. 009) that will include six manually loaded mixers, eight filling stations, and three high speed dispensers which will all vent to new common baghouse. With the exception of the common baghouse, all of the equipment associated with this emissions unit is existing equipment and all of the equipment is located inside the production building.

This project will also redefine the existing emissions units as follows:
- EU Nos. 002, 003, 004 and 005 will be redefined as one combined emissions unit (i.e., EU No. 002). All equipment in the redefined EU No. 002 unit vent to a common baghouse.
- EU Nos. 007 and 008 will be redefined as one combined emissions unit (i.e., EU No. 007). All equipment in the redefined EU No. 007 unit vent to a common baghouse.

The facility will consists of the following emissions units following the completion of this project.

| EU ID No. | Emission Unit Description |
|---|---|
| 002 | Two Cement Silos, Two Sand Silos and Weigh Hopper with Common Baghouse<br>*{E.U. No. 002 was previously E.U. Nos. 002, 003, 004, 005 & 006}* |
| 007 | Three Receiving Bins and Three Mixers with Common Baghouse<br>*{E.U. No 007 was previously EU Nos. 007 and 008}* |
| 009 | Six Mixers, Eight Filling Stations and Three High Speed Dispensers with Common Baghouse<br>*{New Emissions Unit}* |

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

**Exempt Emission Units/Activities**

The emissions from the following emission sources at this facility are deemed insignificant and exempt from permitting. All of these activities are exempt from permitting in accordance with the provisions of Rule 62-210.300(3)(b)1., F.A.C. (General Emissions Unit or Activity Exemption).

*Southernmost Facility Building (1611 Gunn Highway)*

- The Mold Shop, which includes the following operations.

  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 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 and Title 40, CFR, Part 63, Subpart A – General Provisions.

- A mechanical assembly area for proprietary bulk concrete product mixing systems.
- A small general maintenance shop for the facility.
- 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.

*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.

*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.
- 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 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 depensed directly into vendor supplied product containers.

*Miscellaneous Activities*

- 6,000 gallon capacity Storage Tank (Blend 1).
- 6,000 gallon capacity Storage Tank (Blend 3).
- 6,000 gallon capacity Storage Tank (Solution Acrylic Tank).
- Product Labeling.
- Contractor product demonstration and training.
- Sales Showroom.
- Facility Maintenance.
- Administrative Support.

## FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a natural minor source of air pollution.

## PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Construction Permit Nos. 1010509-001-AC and 1010509-002-AC. Reference Operation Permit 1010509-003-AO.

**1.** Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air Resource Management Section. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air Resource Management Section
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to applications for permits shall be submitted to the above address.

**2.** Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance and Enforcement Section - Attention: AIR. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance and Enforcement Section – Attention: AIR
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

**3.** Appendices - The following Appendices are attached as part of this permit:

a. Appendix A. Citation Formats and Glossary of Common Terms;
b. Appendix B. General Conditions;
c. Appendix C. Common Conditions; and
d. Appendix D. Common Testing Requirements.

**4.** Applicable Regulations, Forms and Application Procedures - Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

**5.** New or Additional Conditions - For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080, F.A.C.]

**6.** Modifications - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility. [Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

**7.** Application for Non-Title V Air Operation Permit Revision - This permit authorizes construction of the permitted emissions unit and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit. The permittee shall apply for a Non-Title V air operation permit revision at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit revision, the applicant shall submit the following:

a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;

c. a copy of the initial compliance test report required by Specific Condition No. C.10., if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition No. C.11.

The application shall be submitted to the Permitting Authority.

[Rules 62-4.030, 62-4.050 and 62-4.220, F.A.C.]

## A. EU No. 002 – Cement Silos, Sand Silos and Weigh Hopper With Common Baghouse

This section of the permit addresses the following emissions unit (EU).

| EUID No. | Emission Unit Description |
|---|---|
| 002 | Two Cement Silos, Two Sand Silos and Weigh Hopper with Common Baghouse<br>This emissions unit consists of the two cement silos, two sand silos and a weigh hopper which all vent to common baghouse.<br>The two cement silos, Cement Silo No. 1 (northeast) and Cement Silo No. 2 (southeast), receive cement pneumatically from trucks at a maximum transfer rate of 10 tons/hr, each.<br>The two sand silos, Sand Silo No. 1 (northwest) and Sand Silo No. 2 (southwest) receive sand pneumatically from trucks at a maximum transfer rate of 16 tons/hr, each.<br>The weigh hopper (w/transfer pod) receives cement and sand from the silos by a screw auger at a maximum rate of 4,500 lbs./batch period, which is based on a typical 15 minute batch period (9.0 tons/hr.). A typical batch mixture consists of two parts sand and one part cement.<br>Emissions from the two cement silos, two sand silos and the weigh hopper are controlled by the common baghouse manufactured by Dover/MEI Modern Equipment, Inc.<br>*Note: In this permit, EU No. 002 has been redefined to include what was previously defined as EU Nos. 002, 003, 004, 005 & 006 in Operation Permit No. 1010509-003-AO.* |

### PERFORMANCE RESTRICTIONS

**A.1.** Cement Silos Nos. 1 & 2 Permitted Capacity - Both cement silos combined shall not receive more than a total of 24,295 tons of cement per any consecutive 12-month period.

*{Permitting note: See Appendix D, Condition 1, for Operation Rate During Testing requirements.}*

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

**A.2.** Sand Silo Nos. 1 & 2 Permitted Capacity - Both sand silos combined shall not receive more than a total of 48,662 tons of sand per any consecutive 12-month period.
[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

**A.3.** Operating Restriction – Only one of the four silos (i.e., 2 cement silos and 2 sand silos) may receive material at a time.
[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

**A.4.** Hours of Operation: The hours of operation are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200 (Definition of Potential to Emit), F.A.C.]

## A. EU No. 002 – Cement Silos, Sand Silos and Weigh Hopper With Common Baghouse

### EMISSIONS STANDARDS

**A.5.** Visible Emissions Standard - 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 five percent opacity.
[Rule 62-296.414(1), F.A.C.]

### COMPLIANCE TESTING REQUIREMENTS

**A.6.** Compliance Tests - During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the visible emissions standard of Specific Condition No. A.5.
[Rule 62-297.310, F.A.C.]

**A.7.** Compliance Test Requirements – Visible emissions tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, the highest opacity emissions occur when the weigh hopper is operating at the same time a cement silo is receiving cement. Therefore, visible emission testing of the common baghouse shall be conducted while loading either Cement Silo No. 1 or 2 and while operating the weigh hopper.

During testing, the cement silo shall be loaded a rate that is representative of the normal silo loading rate and the weigh hopper batching operation shall be in operation at a rate that is representative of the normal batching rate and duration. The minimum silo loading rate shall be 25 tons per hour unless such rate is unachievable in practice*.

**Note: Each cement silo has a maximum loading rate of 10 tons/hour and the weigh hopper normal batching rate is 4,500 lbs./batch period (9 tons/hr) which is based on a typical 15 minute batch period.*

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

**A.8.** Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

| Method(s) | Description of Method and Comments |
|---|---|
| 9 | Visual Determination of the Opacity of Emissions from Stationary Sources |

The above method is described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method may be used unless prior written approval is received from the Department.
[Rule 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

**A.9.** Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the

date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

*{Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.}*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

**RECORDKEEPING AND REPORTING REQUIREMENTS**

**A.10.** Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test report shall include a copy of the Compliance Test Records described in Specific Condition No. A.11.
[Rule 62-297.310(8), F.A.C.]

**A.11.** Compliance Test Records – The permittee shall record the following information during compliance testing.

a. The Date, Facility ID No. (1010509), and the Emission Unit No. (i.e., 002).

b. For the cement silo loading:
   1. the Source Name (e.g., Cement Silo No. 1),
   2. the quantity of cement loaded from the truck into the silo (in tons),
   3. the total time required to transferring the cement from the truck to the silo, and
   4. the actual transfer rate of cement from the truck to the silo (in tons/hr).

c. For weigh hopper loading:
   1. the total amount of material loaded, (in lbs.), and
   2. the actual batching rate (lb./hr).

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

**A.12.** Cement and Sand Silo Monthly Log - The permittee shall maintain the following monthly logs.

a. The Month/Year, Facility ID No. (1010509), Emission Unit No. 002.

b. For each cement and sand silo:
   1. Silo Names (e.g., Cement Silo No. 1); and
   2. the total quantity (in tons) of cement or sand received in tons for the most recent month.

c. The total quantity (in tons) of cement received for Cement Silos Nos. 1 & 2 combined for the most recent consecutive 12 month period.

d. The total quantity (in tons) of sand received for Sand Silos Nos. 1 & 2 combined for the most recent consecutive 12 month period.

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

**A. EU No. 002 – Cement Silos, Sand Silos and Weigh Hopper With Common Baghouse**

**A.13.** Records Retention - All monthly records shall be completed by the end of the following month. The records and any supporting information shall be retained at the facility for a minimum of three years.

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

## B. EU No. 007 - Receiving Bins and Mixers with Common Baghouse

This section of the permit addresses the following emissions unit (EU).

| EUID No. | Emission Unit Description |
|---|---|
| 007 | Three Receiving Bins and Three Mixers with Common Baghouse<br>This emissions unit consists of three receiving bins (located on the roof of the facility's production building) and three mixers (MX-1, MX-2 and MX-3) which all vent to common baghouse. The three receiving bins receive dry product mix transferred pneumatically from the weigh hopper described in EU No.002. Transfers are to one receiving bin at a time. Dry product mix is then transferred by gravity from receiving bin to associated mixer located inside the production building. All three mixers may operate simultaneously when the three receiving bins are not actively receiving material.<br>The maximum daily average throughput rate for this emissions unit is 9.0 tons/hour which is limited by the Weigh Hopper's maximum throughput limit described in EU No 002.<br>Emissions from the three receiving bins and three mixers are vented to Torit No. 1 baghouse. Torit No. 1 is located inside the production building and vents outside the west wall of the building.<br>*Note: In this permit, EU No. 007 has been redefined to include what was previously defined as EU Nos. 007 & 008 in Permit No. 1010509-003-AO.* |

### PERFORMANCE RESTRICTIONS

**B.1.** Operationing Restrictions - This emissions unit is restricted as follows.

a. Only one of the three receiving bins at any one time may be actively loaded with cement and/or sand from the weigh hopper (w/transfer pod).

b. Only one of the three mixers may be actively loaded at any one time.

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

**B.2.** Hours of Operation - The hours of operation are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200 (Definition of Potential to Emit), F.A.C.]

### EMISSIONS STANDARDS

**B.3.** Visible Emissions Standard - Visible emissions from the Torit No. 1 Baghouse shall be limited to a maximum of five percent opacity.
[Rule 62-296.414(1), F.A.C.]

### COMPLIANCE TESTING REQUIREMENTS

**B.4.** Compliance Tests - During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the visible emissions standards
[Rule 62-297.310, F.A.C.]

**B.5.** Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, visible emission testing of the Torit 1 Baghouse shall be conducted while the weigh hopper in Emissions Unit No. 002 is operating, one receiving bin is being actively filled, one mixer is being actively filled and the other two mixers are operating. This is the operation mode in which the highest opacity is expected to occur.
[Rule 62-297.310, F.A.C.]

**B.6.** Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

| Method(s) | Description of Method and Comments |
|---|---|
| 9 | Visual Determination of the Opacity of Emissions from Stationary Sources |

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method may be used unless prior written approval is received from the Department.
[Rule 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

## NOTIFICATION REQUIREMENTS

**B.7.** Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(*Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

## RECORDKEEPING AND REPORTING REQUIREMENTS

**B.8.** Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, each test report shall state the actual total batch amount during the test period, and a statement of which equipment was being actively loaded and/or operated.
[Rule 62-297.310(8), F.A.C.]

## C. EU No. 009 - Mixers, Filling Stations and High Speed Dispensers with Common Baghouse

This section of the permit addresses the following emissions unit (EU).

| EUID No. | Emission Unit Description |
|---|---|
| 009 | Six Mixers, Eight Filling Stations and Three High Speed Dispensers with Common Baghouse<br><br>This emissions unit consists of six manually loaded mixers, eight filling stations, and three high speed dispensers which all vent to common baghouse. With the exception of the common baghouse, all equipment is located inside the production building. The manually loaded materials consist of pigments and powders from packaged sources.<br><br>The six manually loaded mixers (MX-4, MX-5, MX-8, MX-9, MX-10 and MX-11) have a maximum combined throughput rate of 2,788 lb/hr.<br><br>The eight filling stations consist of three of the filling stations (FL-1, FL-2 and FL-3) that receive material from the three mixers (MX-1, MX-2 and MX-3) associated with EU No. 007 and five filling stations (FL-4, FL-6, FL-7, FL-8 and FL-9) that receive materials from the six manually loaded mixers. The three filling stations associated mixers in EU No. 007 have a maximum combined throughput rate of 18,000 lb/hr., and the six filling stations associated with the manually fed mixers have a maximum combined throughput rate of 2,788 lb/hr.<br><br>The three high speed dispensers (HSD-6, HSD-7 and HSD-8), which are manually fed, have maximum combined throughput rate of 3,600 lb/hr.<br><br>Emissions from the six mixers, eight filling stations, and three high speed dispensers are vented to Torit No. 2 baghouse. Torit No. 2 is located outside of the production building. |

### PERFORMANCE RESTRICTIONS

**C.1.** Material Throughput Permitted Capacity – The total quantity of material (pigments and powders) manually loaded and processed through six mixers (MX-4, MX-5, MX-8, MX-9, MX-10 and MX-11) and three high speed dispensers (HSD-6, HSD-7 and HSD-8) combined shall not exceed a total of 27,980 tons per any consecutive 12-month period.
[Rule 62-210.200 (Definition of Potential to Emit), F.A.C.]

**C.2.** Hours of Operation - The hours of operation are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200(Definition of Potential to Emit), F.A.C.]

### EMISSIONS STANDARDS

**C.3.** Visible Emissions Standard - Visible emissions from the Torit No. 2 Baghouse shall be limited to a maximum of five percent opacity.
[Rule 62-296.414(1), F.A.C.]

## COMPLIANCE TESTING REQUIREMENTS

**C.4.** Initial Compliance Tests - The emissions unit shall be tested to demonstrate initial compliance with the visible emissions standards. The initial tests shall be conducted no later than 90 days after initial operation of the unit.
[Rules 62-4.070(3) and 62-297.310(7)(a)1., F.A.C.]

**C.5.** Compliance Tests After Initial Testing - During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the visible emissions standards
[Rule 62-297.310, F.A.C.]

**C.6.** Compliance Test Requirements – Visible emissions compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, visible emission testing of the Torit 2 Baghouse shall be conducted while all of the following operating conditions are occurring concurrently.

a. Mixer Operations:
   - For mixers MX-10 and MX-11, one mixer is filling or filled and while the other is operating.
   - For mixers MX-4 and MX-5, one mixer is filling or filled and while the other is operating.
   - For mixer MX-8 and MX-9, one mixer is filling or filled and while the other is operating.

   *Note: In the case of the mixer pairs listed above, one mixer is filling or filled while the other mixer is operating.*

b. Filling Station Operations:
   - One of the three filling stations associated with the three mixers in EU No. 007 in operation (FL-1, FL-2 or FL3).
   - Either filling station FL-6 or FL-7 in operation
   - Either filling station FL-8 or FL-9 in operation

   *Note: The filling stations, as grouped above, operate sequentially, one at a time.*

c. One of the three high speed dispensers (HSD-6, HSD-7 or HSD-8) being filled and two in operation.
   *Note: In the case of the high speed dispensers, one is filling while the other two are operating.*

d. Filling station FL-4 in operation if MX-4 in operation

*{Permitting Note: The above operating conditions represent the worst case operation mode in which the highest opacity is expected to occur.}*

[Rule 62-297.310, F.A.C.]

**C.7.** Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

| Method(s) | Description of Method and Comments |
|---|---|
| 9 | Visual Determination of the Opacity of Emissions from Stationary Sources |

The above method is described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rule 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

**NOTIFICATION REQUIREMENTS**

**C.8.** Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(*Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

**C.9.** Notification of Operation Commencement - The permittee shall notify the Compliance Authority in writing of the date of commencing operation of EU No.009 after the installation of the new Torit No. 2 baghouse, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C., and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

**RECORDKEEPING AND REPORTING REQUIREMENTS**

**C.10.** Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, each test report shall include a statement of which equipment was in operation during the test (See Specific Condition No. C.6..
[Rule 62-297.310(8), F.A.C.]

**C.11.** Material Throughput Monthly logs - The permittee shall maintain the following monthly logs.

a. The Month/Year, Facility ID No. (1010509), Emission Unit No. 009.
b. The total quantity (in tons) of pigments and powder manually loaded and processed through six mixers (MX-4, MX-5, MX-8, MX-9, MX-10 and MX-11) and three high speed dispensers (HSD-6, HSD-7 and HSD-8) combined for the most recent month.

c. The total quantity (in tons) of pigments and powder manually loaded and processed through six mixers (MX-4, MX-5, MX-8, MX-9, MX-10 and MX-11) and three high speed dispensers (HSD-6, HSD-7 and HSD-8) combined for the most recent consecutive 12 month period.

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

**C.12.** Records Retention - All monthly records shall be completed by the end of the following month. The records and any supporting information shall be retained at the facility for a minimum of three years.

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