



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

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GOVERNOR

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LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

Owens Corning Roofing and Asphalt, LLC
1035 Talleyrand Ave
Jacksonville, Florida 32206

Authorized Representative:
Chris Preslock, Site Leader

Air Permit No. 0310050-020-AC
Permit Expires: 01/22/2015

Jacksonville Plant
Air Construction Permit
Shingle Surface Modifier

This is the final air construction permit, which authorizes the installation of a Shingle Surface Modifier Spray Application System at the Jacksonville Plant (EU 046). The proposed work will be conducted at Owens Corning Roofing and Asphalt, LLC (OCRA) Jacksonville Plant located at 1035 Talleyrand Avenue, in Duval County (Standard Industrial Classification No. 2952); UTM Coordinates: Zone 17, 439.5 km East and 3356.2 km North. Latitude: 30° 20' 14.9675" North and Longitude: 81° 37' 48.2012" West.

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

Because of 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 construction 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

AIR CONSTRUCTION PERMIT

Executed in Jacksonville, Florida



Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management Program

RSR/yke

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) 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 January 22, 2014 to the persons listed below.

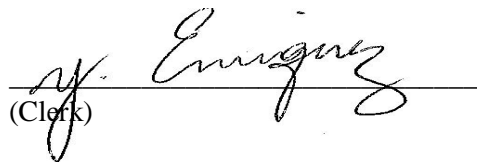
Chris Preslock, Site Leader, Owens Corning Roofing and Asphalt, chris.preslock@owenscorning.com

Brad James, P.E., Trinity Consultants, bjames@trinityconsultants.com

Karen Lyons, Owens Corning Roofing and Asphalt, karen.lyons@owenscorning.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)

January 22, 2014
(Date)

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

This facility consists of a manufacturing plant for the production of asphalt and a manufacturing plant for the production of roofing products, including asphalt shingles. The plant processes several types of asphalts with various characteristics such as non-oxidized and oxidized. Regulated emission units include material handling operations, mineral application area (surfacing area), asphalt coater system, asphalt convertors (blowing stills), asphalt and asphalt products storage tanks, and asphalt loading equipment. The facility does not utilize a catalyst in the asphalt blowing process.

The facility is subject to the provisions of New Source Performance Standards (NSPS), 40 Code of Federal Regulation (CFR) 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture, 40 CFR 60, Subpart A, General Provisions; 40 CFR 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing, 40 CFR 63, Subpart A, General Provisions; 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and Subpart A – General Provisions; and Particulate Matter (PM) Reasonably Available Control Technology (RACT) requirements.

The facility has a facility-wide emission limit for hazardous air pollutants (HAP) of less than 10 tons per year for any single HAP and less than 25 tons per year for total HAPs classifying it as a Synthetic Minor Source of HAPs.

Proposed Project

This project authorizes the installation of a Shingle Surface Modifier Spray Application System (EU 046). Installation includes: a 100 gallon mixing tank with a 160 scfm vent, a 100 gallon holding tank, an electric pump, 12 application nozzles, a 300 gallon tote a used tank (< 300 gal), slot die applicator electric pumps and associated piping and valves. The change in operation also includes a pre-treatment process of the mat prior to asphalt coating.

This project modifies the following Emissions Units:

Facility ID No. 0310050	
ID No.	Emission Unit Description
046	Shingle Surface Modifier Spray Application System

FACILITY REGULATORY CLASSIFICATION

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

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Waste and Air Resource Management Program, Florida Department of Environmental Protection (Department). The Northeast District Office's mailing address and phone number are 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256, 904-256-1700. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office.
2. Compliance Authority: The compliance authority for this project is the Northeast District Office, Compliance Assurance Florida Department of Environmental Protection (Department). The Northeast District Office's mailing address and phone number are 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256, 904-256-1700. All documents related to compliance of an emissions unit shall be submitted to the Northeast District Office.
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: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS

7. Existing Permits and Regulations: The conditions of this permit supplements all other previously issued air construction permits for this facility. These conditions are in addition to all other applicable permit conditions and regulatory requirements. The owner or operator shall continue to comply with the conditions of those permits, which include restrictions and standards regarding capacities, production, operation, fuels, emissions, monitoring, recordkeeping, reporting, operation of air pollution control devices, and the like. The owner or operator shall also comply with the applicable Rules of 62-4, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C.

[Rule 62-4.070, F.A.C.]

8. Source Obligation:

- (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
- (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

9. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation of the emissions unit as modified in accordance with the authorizations of this construction permit. To apply for a Title V operation permit revision, the applicant shall submit the appropriate application form, compliance test results (if required), and such additional information as the Department may by law require.

[Rules 62-4.030, 62-4.050, and Chapter 62-213, F.A.C.]

SECTION 3. SPECIFIC CONDITIONS

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
046	Shingle Surface Modifier Spray Application System

1. **Equipment:** The permittee is authorized to install a Shingle Surface Modifier Spray Application System (EU 046). Installation includes a 100 gallon mixing tank with a 160 scfm vent, a 100 gallon holding tank, an electric pump, 12 application nozzles, a 300 gallon tote a used tank (< 300 gal), slot die applicator electric pumps and associated piping and valves. The change in operation also includes a pre-treatment process which involves the saturation of the mat.

[Application No. 0310050-020-AC]

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

2. **Hours of Operation:** The hours of operation are not limited (8760 hours per year).

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Application No. 0310050-020-AC]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

3. **Facility-Wide Emissions Cap:** Facility-Wide Hazardous Air Pollutants HAP(s) emissions are limited to:

- I. Less than 10 TPY of any single HAP for 12 consecutive months; and
- II. Less than 25 TPY of Total HAPs for 12 consecutive months.

[Application No. 0310050-020-AC, 62-210.200(PTE), F.A.C FW Condition 13 Permit No. 0310050-018-AV]

4. **General Visible Emissions Standards:**

Visible Emissions: 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).

[Rules 62-4.070(3), and Rule 62-296.320(4)(b)1&4 F.A.C.]

5. **General 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.

[Rule 62-296.320(1), F.A.C. and Rule 2.1101, JEPB FW Condition3 Permit No. 0310050-018-AV]

SECTION 3. SPECIFIC CONDITIONS

6. **Maximum allowable facility wide potential emissions of VOCs:** The maximum allowable facility wide potential emissions of VOCs shall be less than 250 tons per year on a calendar year basis to avoid becoming a major source for Prevention of Significant Deterioration (PSD) of Air Quality.

[Rule 62-212.300, FAC, and Rule 2.401, JEPB FW Condition11 Permit No. 0310050-018-AV]

TEST METHOD(S) AND PERFORMANCE TEST(S)

7. **Visible Emissions:** The permittee shall conduct a visible emissions compliance test upon request by the Department in accordance with the requirements of Rule 62-297.310 (7)(b), F.A.C., as stated in **Condition 4.b of Appendix D Common Testing Requirements**. The test Method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-4.070, F.A.C.]

8. **Compliance Test Procedures.** Compliance test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-296.410(3)(c), F.A.C.]

COMPLIANCE DEMONSTRATION

9. **Record Keeping:** In order to demonstrate compliance with the facility wide emissions limitations as stated in **Specific Conditions No. 3 and No. 6** of this section, and pursuant to Rule 62-4.070(3), F.A.C., the Permittee shall maintain a monthly log at the facility for each material that contains VOC and HAPs for a period of at least three years from the date the data is recorded. The log, at a minimum, shall contain the following:
- a) Designation of the month and year of operation for which the records are being tabulated; and
 - b) Consecutive 12-month total VOC, Total HAPs and individual HAP emissions rate.
 - c) Record the total quantity, in pounds of each material/product used.
 - d) For each material/product used, record the percentage (%) and quantity (pounds) for each VOC/OS species (identify each chemical species that is HAP).
 - e) Record the total monthly hours of operation.
 - f) Copy of all calculations and supporting documents for VOC and HAP emission rate estimation.) including, but not limited to:
 - i. Material Safety Data Sheet (MSDS) or material specification sheet.
 - ii. Purchase receipt of the VOC/HAP containing materials or other supporting documents indicating the materials usage.

[Rules 62-4.070 (2), F.A.C. 62-210.370(2)(c)(3)., F.A.C.]