



Florida Department of Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

PERMITTEE

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

Air Permit No. 0310050-028-AC
Permit Expires: Date
Minor Air Construction Permit

Authorized Representative:
Ms. Tara Waresvka, Site Leader

Jacksonville Plant
Asphalt Storage Tank No. 8

PROJECT

This is the final air construction permit, which authorizes the applicant to reconstruct Asphalt Storage Tank No. 8 and install a CECO filter for particulate air pollution control and a 2.5 MMBtu/hr natural gas (NG) fired burner for asphalt heating. The CECO candle filter captures and removes submicron liquid and soluble particulate from process gas streams. With the asphalt tank reconstructed and addition of a control device, Asphalt Storage Tank No. 8 become a regulated emissions unit (EU) subject to New Source Performance Standards (NSPS) Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture. The 2.5 MMBtu/hr NG fired burner becomes a part of the facility unregulated EU 014 heaters group. Project Potential To Emit (PTE) emissions by pollutant are less than the PSD significant emission threshold by pollutant thereby avoiding PSD permit requirements. The proposed work will be conducted at the existing Jacksonville Plant, which is a manufacturer of asphalt and roofing products, including asphalt shingles categorized under Standard Industrial Classification No. 2952. The existing facility is located in Duval County at 1035 Talleyrand Avenue in Jacksonville, Florida. The UTM coordinates are Zone 17, 439.5 km East and 3356.2 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and 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.

STATEMENT OF BASIS

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.

DRAFT PERMIT

Executed in Jacksonville, Florida
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL QUALITY

(DRAFT)

Thomas G. Kallemeyn
Permitting Program Administrator

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package 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 following persons.

Tara Waresvka, Site Leader, Owens Corning Roofing and Asphalt, LLC, tara.waresvka@owenscorning.com
Karen Lyons, EHS Leader, Owens Corning Roofing and Asphalt, LLC, karen.lyons@owenscorning.com
Lisa-Marie Clarke, Consultant, Trinity Consultants, lclarke@trinityconsultants.com
Brad James, Professional Engineer, Trinity Consultants, bjames@trinityconsultants.com

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

SECTION 1. GENERAL INFORMATION (DRAFT)

FACILITY DESCRIPTION

The applicant operates the existing Jacksonville Plant, which is located in Duval County at 1035 Talleyrand Avenue, Jacksonville, Florida.

The Jacksonville Plant manufactures asphalt and roofing products, including asphalt shingles. The plant manufactures several types of asphalts with various characteristics. Regulated emission units include material handling operations, a mineral application area (surfacing area), an asphalt coater system, asphalt convertors (blowing stills), asphalt and asphalt products storage tanks, and asphalt loading equipment. Some of the facility emissions units are subject to NSPS and NESHAP standards. Potential to Emit (PTE) facility-wide emissions are greater than 250 TPY by criteria pollutant, less than 10 TPY for each Hazardous Air Pollutant (HAP) and less than 25 TPY for total HAPs. The facility is a PSD major source and not a HAP major source. The facility uses add-on control devices that include a fume incinerator, a fiber fed filter(s), and dust collectors.

This facility also includes miscellaneous unregulated/insignificant emissions units and/or activities.

The existing facility consists of the following regulated emissions units (EU).

EU No.	Emission Unit Description
001	Bulk Limestone Storage Silo No. 1
002	Limestone Transfer System (Upper Surge Hopper)
003	Limestone Filler Heater
004	Bulk Limestone Storage Silo No. 2
012	Asphalt Blowing Still Nos. 1 and 2
015	Asphalt Storage Tank Nos. 15 and 47
021	Adhesive Tank
028	Mineral Application System (Surfacing Area)
029	Bulk Granule Handling System
030	Shingle Laminator System
031	Adhesive Tank (MLA)
034	Asphalt Coater System No. 2
037	Steam Generator
038	Coating Tank No. 1
039	Asphalt Storage Tank No. 42
040	Storage Tank No. 46
043	Sealant Storage Tank Nos. 44 and 45
045	Sand System
046	Spray Application System
047	Emergency Stationary RICE

PROPOSED PROJECT

The applicant proposes to reconstruct Asphalt Storage Tank No. 8 install a CECO filter for particulate air pollution control and a 2.5 MMBtu/hr natural gas (NG) fired burner for asphalt heating. With the asphalt tank reconstructed and addition of a control device, Asphalt Storage Tank No. 8 become a regulated emissions unit (EU) subject to New Source Performance Standards (NSPS) Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture. The NG fired burner becomes a part of the facility unregulated EU

SECTION 1. GENERAL INFORMATION (DRAFT)

014 heaters group. Project Potential To Emit (PTE) emissions by pollutant are less than the PSD significant emission threshold by pollutant thereby avoiding PSD permit requirements.

This project will add the following regulated emissions unit.

EU No.	Emission Unit Description
048	Asphalt Storage Tank No. 8

FACILITY REGULATORY CLASSIFICATION

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **does not operate** 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 62-213, F.A.C.
- The facility **is** a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- The facility does operate units subject to the New Source Performance Standards (NSPS) of Title 40 Part 60 of the Code of Federal Regulations (40 CFR 60).
- The facility does operate units subject to the National Emissions Standards of Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

1. Permitting Authority: The permitting authority for this project is the Northeast District Office of the Department of Environmental Protection (Department). The Northeast District Office mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office at: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.
3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (Common Testing Requirements); Appendix E (NSPS Subpart A – General Provisions); and Appendix F (NSPS Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture).
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.]
7. Construction and Expiration: The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(3) & (4), 62-4.080 & 62-210.300(1), 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.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

V. EU 048 – Asphalt Storage Tank No. 8

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
048	Asphalt Storage Tank No. 8

Emission Unit Description: This tank stores asphalt.

Pollutant Control Device: This tank's air pollutant emissions are vented to a CECO fiber bed filter.

{Permitting Note: This emission unit is regulated under 40 CFR 60, NSPS Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture and 40 CFR 60, Subpart A, General Provisions.}

EQUIPMENT

1. **Asphalt Storage Tank No. 8:** The permittee is authorized to reconstruct Asphalt Storage Tank No. 8 and add a CECO fiber fed filter with a maximum design rate of 150 actual cubic feet per minute rated gas flowrate. [Application No. 0310050-028-AC]

PERFORMANCE RESTRICTIONS

2. **Hours of Operation:** The hours of operation are not limited (8,760 hours/year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C. and Rule 2.301, JEPB]
3. **Method of Operation:** Emissions from the asphalt storage tank shall vent to a CECO fiber bed filter control device when the tank is in operation. [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

EMISSIONS STANDARDS

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Condition No. 4.** is based on the specified averaging time of the applicable test method.

4. **VE Emissions:** Visible emissions (VE) shall be limited to zero (0) percent (%) opacity, except the 0% opacity may be exceeded during one consecutive 15-minute period per 24 hours when the transfer lines are being blown for clearance, provided the control device is not bypassed during this period. [40 CFR 60.472(c); Rule 62-204.800, F.A.C., and Rule 2.201, JEPB]

TESTING REQUIREMENTS

5. **Initial Compliance Tests:** The emissions unit shall be tested to demonstrate initial compliance with the emissions standard for VE. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the permitted unit. The minimum total time of observations shall be 3 hours (30 6-minute averages) [40 CFR 60.11(b), (e)(1) and 60.474(c)(5) and Rules 62-204.800 and 62-297.310(8)(b)1, F.A.C. and Rules 2.201 and 2.1201, JEPB]
6. **Annual Compliance Tests:** During each calendar year (January 1st to December 31st), the emissions unit shall be tested to demonstrate compliance with the emissions standard for VE. VE compliance testing shall be conducted for a minimum period of 60 minutes (i.e., multi-valued opacity standard). [Rule 62-297.310(5)(b) and (8)(a)1.&2., F.A.C. and Rule 2.1201, JEPB]
7. **Test Requirements:** The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(9), F.A.C. and Rule 2.1201, JEPB]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

V. EU 048 – Asphalt Storage Tank No. 8

8. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800, F.A.C.; and Appendix A of 40 CFR 60, Rule 2.201, JEPB]

RECORDS AND REPORTS

9. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(10), F.A.C. and Rule 2.1201, JEPB]
10. SSM Operational Records: The Permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction (SSM) in the operation of the EU; and any malfunction of the air pollution control equipment. [40 CFR 60.7(b), Rule 62-204.800, F.A.C., and Rule 2.201, JEPB]
11. File: The Permittee shall maintain a file of all measurements; adjustments and maintenance performed on the system or devices; and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records. [40 CFR 60.7(f), Rule 62-204.800, F.A.C., and Rule 2.201, JEPB]