Permittee:
Owens Corning
Jacksonville Asphalt and Roofing Plant
1035 Talleyrand Ave.
Jacksonville, FL 32224

Draft Permit No.: 0310050-010-AC
Facility ID No.: 0310050
SIC No.: 29
Project: Plant Modification

This air construction permit is for the purpose of construction of a new asphaltic material storage tank [emission unit (EU) no. 040], modification of an existing unused asphaltic storage tank (EU no. 040), construction of a rubber material (supersack) unloading hopper and conveyor (EU no. 041), the inclusion of laminate adhesive and sealant material loading into tanker trucks at the loading rack (EU no. 019), and modification of the mat unwind dry loop process (EU no. 042) by the addition of a dust collector to control particulate matter emissions. The construction/modification will take place at the Owens Corning, Jacksonville Asphalt and Roofing Plant. This facility is located at 1035 Talleyrand Ave., Jacksonville, Duval County, FL.; UTM Coordinates: Zone 17, 439.5 km East and 3356.2 km North; Latitude: 30° 20′ 12″ North and Longitude: 81° 37′ 53″ West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Florida Administrative Code (FAC) Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. 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 Environmental and Compliance Department, Environmental Quality Division (Department) in accordance with the terms and conditions of this permit.

Title V Operation Permit Revision Application Due Date: **March 1, 2009**
Expiration Date: **August 31, 2009**

Environmental and Compliance Department
Environmental Quality Division

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Robert Steven Pace, P.E., Manager
Air Quality Branch

RSP/JW

Section I. Facility Information

Subsection A. Facility/Project Description

The facility is a major source of air pollution because the potential emissions of regulated pollutants are greater than 100 tons per year. Prevention of Significant Deterioration requirements do not apply since the facility potential emissions of any one regulated pollutant is less than 250 tons per year thereby making the facility **minor** for PSD purposes, and the modification itself is minor for PSD purposes. This air construction permit is for the purpose of construction of a new asphaltic material storage tank [emission unit (EU) no. 040], modify an existing unused asphaltic storage tank (EU no. 040), construction of a rubber material (supersack) unloading hopper and conveyor (EU no. 041), the inclusion of laminate adhesive and sealant material loading into tanker trucks at the loading rack (EU no. 019), and modification of the mat unwind dry loop process (EU no. 042) by the addition of a dust collector to control particulate matter emissions.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

EU No.	EU Description
019	Tank Truck Loading Rack Nos. 1 and 2
040	Storage Tank Nos. 45 and 46
041	Rubber material (supersack) unloading hopper and conveyor
042	Mat Unwind Dry Loop Process

Subsection C. Relevant Documents

Air construction permit application received December 21, 2007.

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific process and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
    a. Have access to and copy any records that must be kept under conditions of the permit;
    b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

    Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
    a. A description of and cause of noncompliance; and
    b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

( ) Determination of Best Available Control Technology (BACT)
( ) Determination of Prevention of Significant Deterioration (PSD)
( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
(X) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
        1. The date, exact place, and time of sampling or measurements;
        2. The person responsible for performing the sampling or measurements;
        3. The date(s) analyses were performed;
        4. The person responsible for performing the analyses;
        5. The analytical techniques or methods used;
        6. The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.
    [Rule 62-4.160, FAC, and Rule 2.1301, Jacksonville Environmental Protection Board (JEPB)]

Subsection B. Specific Conditions

1. Permittee shall notify the Department fifteen (15) days prior to EU testing.
   [Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, Jacksonville Environmental Protection Board (JEPB)]

2. Copies of the test report(s) shall be filed with the Department within forty-five (45) days of completion of testing.
   [Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]

3. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then the EU may be tested at less than capacity; in this case subsequent EU subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
   [Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]

4. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.
   [Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]

5. Control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB]

6. Stack sampling facilities shall comply with the requirements of Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB.

7. Permittee shall submit an annual operation report to the Department for these emission units on the form(s) supplied for each calendar year on or before March 1.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]

8. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing sixty (60) days prior to the expiration of the construction permit. A new schedule and request for an extension of the construction permit must be submitted.
[Rule 62-4.080(3), FAC, and Rule 2.1301, JEPB]

9. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for a revision to the Title V Air Operating Permit with compliance records and test results, to the Department one hundred eighty (180) days prior to the expiration date of the construction permit, however no longer than 225 days after startup of the facility. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid Title V Air Operating Permit to operate.
[Rule 62-210.300(2), FAC, and Rule 2.301, JEPB]

10. 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.
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]

11. The permittee shall submit all compliance related notifications and reports required by this permit to:

Environmental and Compliance Department
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202
Telephone: 904/630-4900
Fax: 904/630-3638

Section III. Emission Units and Conditions

Emission Unit No. 040- Storage Tank Nos. 45 and 46

Emission Unit Description: Tank no. 45 processes and/or stores laminate adhesive and sealant material. Tank no. 46 stores hard oxidized asphalt.

Pollutant Control Device: Air pollutant emissions from these tanks are vented to the fume incinerator, which also controls the emissions from the asphalt blowing stills.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to the fume incinerator which controls the asphalt blowing stills.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture; and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

4. VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(c); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

5. 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, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

6 Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.474(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. Initial VE testing shall be conducted within 60 days after achieving the maximum production rate at which the EU will operate but no later than 180 days after initial startup of the EU. Initial VE compliance testing shall be conducted for a minimum period of three (3) hours.
[40 CFR 60.7, 40 CFR 60.11, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Continuous Monitoring Requirements

8. The owner/operator shall continuously monitor and record the temperature in the combustion zone of the fume incinerator (preheater) control device. The temperature monitoring instrument shall have an accuracy of +/- 10 degrees Centigrade over its range. Temperature monitoring results recorded during the VE compliance testing shall be submitted with the VE compliance test results.
[40 CFR 60.473(c and d); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

9. The owner/operator shall maintain a file of the continuous temperature monitoring results for at least five years.
[40 CFR 60.473(d), Rule 62-204.800, FAC, Rule 62-213.440(1)(b), FAC; Rule 2.201, JEPB, and Rule 2.501, JEPB]

10. Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
[40 CFR 60.7(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. Any owner or operator shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR 60 (applicable to these tanks) recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of such measurements, maintenance, reports, and records.
[40 CFR 60.7(f), FAC, Rule 62-213.440(1)(b), Rule 62-204.800, FAC, Rule 2.201, JEPB, and Rule 2.501, JEPB]

12. The permittee shall submit a notification of the date construction of the affected EU commenced, postmarked not later than 30 days after such date. The permittee shall submit a notification of the actual date of initial startup of the EU, postmarked within 15 days after such date.
[40 CFR 60.7(a), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Emission Unit No. 042 - Mat Unwind Dry Loop Process

Emission Unit Description: Asphalt shingle mat is conveyed and unwound in a dry looper.

Particulate Matter (PM) control device: MAC dust collector, Model No. LST

Essential Potential to Emit (PTE) Parameters

1. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The nominal volumetric air flow rate for this baghouse is 10,000 dscfm.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The production rate of asphalt shingles and/or mineral surfaced roll roofing shall be limited to a maximum of 70 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

5. Particulate matter (PM)emissions shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf) [2.57 lbs/hr and 11.26 TPY].

[Rule 62-296.711(2)(b), FAC, and Rule 2.1001, JEPB]

6. Visible Emissions (VE) shall be limited to five percent opacity.
[Rule 62-296.711(2)(a), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-296.711(3)(a), FAC, and Rule 2.1001, JEPB]

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.
[Rule 62-296.711(3)(b), FAC, and Rule 2.1001, JEPB]

9. Initial VE and PM testing shall be conducted within 60 days after achieving the maximum production rate at which the EU will operate but no later than 180 days after initial startup of the EU. Initial VE compliance testing shall be conducted for a minimum period of 30 minutes concurrently with the PM test.
[Rule 62-297.310(4)(a), FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

10. Records of process input rate shall be maintained on a monthly basis. Records shall be maintained for a minimum period of five years and shall be made available to the Department upon request.
[Rule 62-213.440(1)(b)2.b., FAC, and Rule 2.501, JEPB]

11. Inspections and records shall be performed and recorded in accordance with the Operation and Maintenance Plan (O&M). Records shall be retained for a minimum of five years and provided upon request of the Department.
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

12. A Compliance Assurance Monitoring (CAM) determination shall be made based upon relevant information available on this emission unit. It is noted that uncontrolled PM emission data may be required to determine CAM applicability. Please conduct PM stack testing accordingly.
[40 CFR 64, Rule 62-213.440, FAC, and Rule 2.501, JEPB]

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to S.120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____

Clerk Date

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