Owens Corning Roofing and Asphalt, LLC
Jacksonville Plant
Facility ID No.: 0310050
Duval County

Title V Air Operation Permit Revision

Proposed Permit No.: 0310050-017-AV
Revision of Title V Air Operation Permit No.: 0310050-012-AV

PERMITTING & COMPLIANCE AUTHORITY:

NEIGHBORHOODS DEPARTMENT
ENVIRONMENTAL QUALITY DIVISION
214 NORTH HOGAN STREET, 5TH FLOOR
JACKSONVILLE, FL 32202
TELEPHONE: (904) 255-7100
FAX: (904) 588-0518

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Proposed Permit No.: 0310050-017-AV
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EU No.	**EU 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
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042	Mat Unwind Dry Loop Process
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044	Emergency Stationary RICE

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Permittee:
Owens Corning Roofing and Asphalt, LLC
Jacksonville Plant
1035 Talleyrand Ave.
Jacksonville, FL 32206

PROPOSED Permit No.: 0310050-017-AV
Facility ID No.: 0310050
SIC No.: 29
Project: Title V Air Operation Permit Revision

This permit is for the purpose of revising Title V Air Operation Permit No. 0310050-012-AV by incorporating the terms and conditions of Air Construction Permit No. 0310050-015-AC.

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 (F.S.) 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 Permitting Authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:
Statement of Basis
Attachment – Table 5
Appendix I-1, List of Insignificant Emission Units and/or Activities
Appendix U-1, List of Unregulated Emission Units and/or Activities
APPENDIX TV-6, TITLE V CONDITIONS
APPENDIX SS-1, STACK SAMPLING FACILITIES
Appendix CAM
Operation and Maintenance Plan
BACT Determination

Effective Date:	**March 12, 2009**
Revision Effective Date:	
Renewal Application Due Date:	**July 18, 2013**
Expiration Date:	**February 28, 2014**

Neighborhoods Department
Environmental Quality Division

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

RSP/GHB

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Section I. Facility Information

Subsection A. Facility/Project Description

This permit is for the purpose of revising Title V Air Operation Permit No. 0310050-012-AV by incorporating the terms and conditions of Air Construction Permit No. 0310050-015-AC. Additionally, an emissions unit has been added for one existing emergency stationary compression ignition (CI) reciprocating internal combustion engine (RICE).

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.

Also included in this permit are miscellaneous unregulated and insignificant emission units and/or activities.

Emission Unit Nos. 028 and 029 are subject to Compliance Assurance Monitoring (CAM) requirements.

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

EU No.	EU 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
042	Mat Unwind Dry Loop Process
043	Sealant Storage Tank Nos. 44 and 45
044	Emergency Stationary RICE

Note: Please reference the Permit No., Facility ID No., and appropriate Emission Unit ID No.(s), on all correspondence, test report submittal, applications, etc.

Subsection C. Relevant Documents

The documents listed below are not a part of this permit, however, they are specifically related to this permitting action.

Title V Air Operation Permit Nos. 0310050-012-AV, 0310050-013-AV and 0310050-014-AV
Air Construction Permit No. 0310050-015-AC
Title V Air Operation Permit Revision Application received January 30, 2013

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. Appendix TV-6, Title V Conditions, is a part of this permit.
   Permitting note: Appendix TV-6, Title V Conditions, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

2. 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 Chapter 62-297, FAC, and Rule 2.1201, JEPB.
   [Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB]

3. Prevention of Accidental Releases (Section 112(r) of CAA).
   a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

      RMP Reporting Center
      Post Office Box 1515
      Lanham-Seabrook, MD 20703-1515
      Telephone: (301) 429-5018

   and,
   b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), FAC.

   [40 CFR 68]

4. 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 installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Permitting Authority.
[Rule 62-296.320(1), FAC, and Rule 2.1101, JEPB]

5. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter emissions from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include the following:
    a. Paving and maintenance of roads, parking areas and yards.
    b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
    c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
    d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
    e. Landscaping or planting of vegetation.
    f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
    g. Confining abrasive blasting where possible.
    h. Enclosure or covering of conveyor systems.

    [Rule 62-296.320(4)(c)1 & 3, FAC, and Rule 2.1101, JEPB]

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), FAC, and Rules 2.501 and 2.1401, JEPB]

7. The permittee shall notify the Permitting Authority fifteen (15) days prior to the date of each formal compliance test conducted for an emissions unit.
[Rule 62-297.310(7)(a)9., FAC, and Rule 2.1201, JEPB]

8. Stack sampling facilities and control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1201, JEPB]

9. Testing of emissions shall be conducted with the emissions unit 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 emissions units may be tested at less capacity; in this case subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions unit is so limited, then operation at higher capacities is allowed for no 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 2.1201, JEPB]

10. Copies of the test report(s) shall be filed with the Permitting Authority within forty-five (45) days of completion of testing.
[Rule 62-297.310(8)(b), FAC, and Rule 2.1201, JEPB]

11. When appropriate, any recording, monitoring or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, FAC and Rule 2.501, JEPB]

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

Neighborhoods Department
Environmental Quality Division
214 North Hogan Street, 5th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

13. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, GA 30303-8960
Telephone: (404) 562-9155
Fax: (404) 562-9163

14. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., FAC, shall be submitted to the Permitting Authority and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), FAC. {Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of Appendix TV-6, Title V Conditions)}
[Rules 62-213.440(3) and 62-213.900, FAC, and Rule 2.501, JEPB]

15. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), FAC., and Rule 2.501, JEPB]

16. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Permitting Authority for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with

Rule 62-4.130, FAC and Rule 2.1401, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700(1), (4), and (6), FAC, and Rule 2.201, JEPB]

17. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), FAC, Rule 62-4.130, FAC, Rule 2.201, JEPB, and Rule 2.1401, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), FAC, and Rule 2.501, JEPB. Unless otherwise specified in **a permit, rule, or order,** reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1).
[Rule 62-213.440(1)(b)3., FAC, and Rule 2.501, JEPB]

18. Annual Operation Report. The permittee shall submit to the Compliance Authority, each calendar year, on or before April 1, a completed DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding year.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]

19. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-Line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm.
[Rule 62-213.205, FAC and Rule 2.501, JEPB]

20. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Permitting Authority in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.
    a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
    b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Permitting Authority as soon as possible after the date of such startup is ascertained.

    [Rule 62-210.300(5), F.A.C. and Rule 2.301, JEPB]

21. 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]

22. The owner/operator shall operate the fume incinerator a minimum of 6,100 hours per year to avoid becoming a major source for PSD of Air Quality. Records of operating hours shall be maintained on both a monthly and a 12 month rolling total basis, and made available to the Permitting Authority upon request.
[Rule 62-212.300, FAC, and Rule 2.401, JEPB]

23. The use of ferric chloride as a catalyst in the asphalt blowing stills is prohibited, thereby limiting maximum allowable facility wide emissions of Hazardous Air Pollutants (HAP) to less than 10 tons per year for any

single HAP and to less than 25 tons per year of total HAPs. Tons per year shall be designated as any 12 consecutive month period.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

24. Permit Renewal. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009.
[Rule 62-213.420(1)(a)2., F.A.C. and Rule 2.501, JEPB]

The following facility-wide conditions are not federally enforceable:

25. 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 2.1101, JEPB]

26. The facility shall be subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

27. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Section III. Emission Units and Conditions

Emission Unit No. 001-Bulk Limestone Storage Silo No. 1

Emission Unit Description: Crushed bulk limestone is pneumatically conveyed from tanker trucks and/or railcars to the storage silo.

Particulate Matter (PM) control device: Free Flow dust collector Model Number (M/N) PJ-300.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum loading rate of crushed limestone to silo No. 1 and/or silo No. 2 is 60 tons per hour (TPH).
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-210.200(PTE), 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. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [0.13 Pounds Per Hour (lbs/hr) and 0.57 Tons Per Year (TPY)].
[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

6. Visible emissions (VE) shall be limited to one (1) percent (%) opacity.
[40 CFR 60.472(d); Rule 62-204.800, FAC, and Rule 2.201, 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), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.474(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. 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), FAC, and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Emission Unit No. 002-Limestone Transfer System (Upper Surge Hopper)

Emission Unit Description: Bulk limestone is transferred from the storage silo(s) to the filler heater through the transfer system and the upper surge hopper.

Particulate Matter (PM) control device: Donaldson Day dust collector Model Number (M/N) 25PJD8.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process input rate to the limestone transfer system is 25.5 TPH of crushed limestone.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

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

Emission Limitations and Standards

3. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB], shall apply to this emission unit.

4. PM emissions shall be limited to 0.03 gr/dscf [0.18 lbs/hr and 0.80 TPY].
[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

5. VE shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, 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) for the visual determination of opacity.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

7. VE testing shall be conducted annually from the date of November 1, 2008. Testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, 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), FAC, and Rule 2.1101, JEPB]

9. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Emission Unit No. 003-Limestone Filler Heater

Emission Unit Description: Crushed limestone is heated prior to being conveyed to the lower surge hopper and asphalt filler mixer.

Particulate Matter (PM) control device: Donaldson Company (Torit) dust collector M/N 64PJD10.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum heat input to the heater is 5.0 million Btu per hour. Natural gas or No. 2 fuel oil is used as fuel in the heater.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

2. The estimated maximum process throughput rate to the limestone heater system is 25.5 TPH of crushed limestone.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

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

Emission Limitations and Standards

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 2.1101, JEPB]**;** **Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB];

Circumvention [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB], shall apply to this emission unit.

5. PM emissions shall be limited to 0.03 gr/dscf [0.10 lbs/hr and 0.43 TPY].
[Rule 62- 296.711(2)(b), FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, 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), FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. 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), FAC, and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62- 296.711(3), FAC, and Rule 2.1101, JEPB]

Emission Unit No. 004-Bulk Limestone Storage Silo No. 2

Emission Unit Description: Crushed bulk limestone is pneumatically conveyed from tanker trucks and/or railcars to the storage silo.

Particulate Matter (PM) control device: Carter Day dust collector M/N 12LRJ60.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum loading rate of crushed limestone to silo No. 1 and/or silo No. 2 is 60 TPH.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-210.200(PTE), 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. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB];

Circumvention [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB], shall apply to this emission unit.

5. PM emissions shall be limited to 0.03 gr/dscf [0.12 lbs/hr and 0.53 TPY].
[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to one (1) percent (%) opacity.
[40 CFR 60.472(d); Rule 62-204.800, FAC, and Rule 2.201, 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), and the procedures in 40 CFR 60.11 for the visual determination of opacity.
[40 CFR 60.474(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. 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), FAC, and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Emission Unit No. 012-Asphalt Blowing Still Nos. 1 and 2

Emission Unit Description: Asphalt is processed through the addition of air and chemical additives.

Pollutant Control Device: Air pollution emissions are controlled through the use of the fume incinerator, which also functions as an asphalt preheater.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum charging rate to this emission unit is 211.5 tons per charge of asphalt.
[Rule 62-210.200(PTE), 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(PTE), 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. 40 CFR 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing.

5. The permittee shall comply with the requirements of the General Provision (40 CFR Part 63, Subpart A) as specified in Table 5 of 40 CFR 63, Subpart AAAAAAA (see Attachment – Table 5).
[Rule 40 CFR 63.11565, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

6. PM emissions shall be limited to 1.2 lbs/ton (63.45 lbs/hr and 124.10 TPY) of asphalt charged (noncatalyst mode) to the blowing stills.
[40 CFR 60.472(b), 40 CFR 63.11561(a) and Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(b)(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5A (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. Testing procedures shall be in accordance with the requirements in 40 CFR 60.474 (a)(1), (2), (3), and (4).
[40 CFR 60.474 (a)(1), (2), (3), and (4); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

9. PM testing shall be conducted annually from the date of November 1, 2008.
[Rule 62-297.310(7)(a)3., FAC, and Rule 2.1201, JEPB]

10. 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. VE testing shall be conducted annually from the date of November 1, 2008, concurrently with PM testing. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Continuous Monitoring Requirements

12. The owner/operator shall continuously monitor and record the temperature in the combustion zone of the afterburner (preheater) control device. The temperature monitoring instrument shall have an accuracy of +/- 10 degrees Centigrade over its range.
[40 CFR 60.473(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

13. The permittee shall establish an operating value for combustion zone temperature and maintain the 3-hour average combustion zone temperature at or above the operating value established as specified in 40 CFR 63.11562(a)(2).
[Rule 40 CFR 63.11562(a)(2) and (b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

14. For each monitoring system, a site-specific monitoring plan in accordance with 40 CFR 63.11563(b)(1), (2) and (3) shall be developed and made available for inspection by the Permitting Authority, upon request.
[Rule 40 CFR 63.11563(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

15. The permittee shall install, operate and maintain a continuous parameter monitoring system (CPMS) as specified in 40 CFR 63.11563(c)(1), (2) and (3).
[Rule 40 CFR 63.11563(c), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

16. For each temperature monitoring device, the permittee shall meet the CPMS requirements in 40 CFR 63.11563(c)(1), (2) and (3) and 63.11563(d)(1) through (d)(6).
[Rule 40 CFR 63.11563(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

17. The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan.
[Rule 40 CFR 63.11563(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

18. The permittee shall operate and maintain the CPMS in continuous operation according to the site-specific monitoring plan.
[Rule 40 CFR 63.11563(k), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

19. The permittee shall submit notification of intent to conduct a compliance test at least 60 calendar days before the compliance test is scheduled to begin, as required in 40 CFR 63.7(b)(1).
[Rule 40 CFR 63.7(b)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

20. A compliance report shall be submitted as specified in 40 CFR 63.11564(b)(1) through (b)(4) and according to the dates specified in 40 CFR 63.11564(b).
[Rule 40 CFR 63.11564(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

21. The permittee shall maintain the records specified in 40 CFR 63.11564(c)(1) through (c)(10) for at least 5 years.
[Rule 40 CFR 63.11564(c), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Emission Unit No. 015 - Asphalt Storage Tank Nos. 15 and 47

Emission Unit Description:	These tanks store blown asphalt and other asphalt products.
Pollutant Control Device:	Air pollutant emissions from these tanks are vented to the fume incinerator or CECO fiber bed filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to the fume incinerator or CECO fiber bed filter.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year (hrs/yr).
[Rule 62-210.200(PTE), 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(c)(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE testing at the fume incinerator shall be conducted annually from the date of November 1, 2012, and concurrently with PM testing of the blowing stills. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

8. VE testing at the CECO fiber bed filter shall be conducted annually from the date of November 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Continuous Monitoring Requirements

9. The permittee 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.
[40 CFR 60.473(b); Rule 62-204.800, FAC and Rule 2.201, JEPB.

Recordkeeping and Reporting Requirements

10. The permittee shall maintain records of the temperature monitoring results for at least five years. These records shall be made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), FAC and Rule 2.501, JEPB]

11. 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]

Emission Unit No. 021-Adhesive Tank

Emission Unit Description: Asphalt adhesive is stored in this tank.

Pollutant Control Device: Emissions are vented to a Fiber Bed Filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to a fiber bed filter for PM control.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. The fiber bed filter control efficiency is estimated to be a minimum of 90%.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

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

Emission Limitations and Standards

4. 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.

5. VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(c); Rule 62-296.204.800, FAC, and Rule 2.201, JEPB]

6. 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

7. 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Emission Unit No. 028-Mineral Application System (Surfacing Area)

Emission Unit Description: Surfacing minerals are added to the roofing product after application of the coated asphalt. (Note: Formerly part of EU 006).

Particulate Matter (PM) control device: Industrial Accessories Company dust Collector (M/N 96TB-BHT-338:S6)

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(PTE), FAC, and Rule 2.301, JEPB]

2. The nominal volumetric air flow rate for this baghouse is 30,000 dscfm.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

Emission Limitations and Standards

3. The maximum process throughput rate in the mineral application system shall be limited to 70 tons per hour of coating asphalt, filler, mat, and surface application minerals.
[Rule 62-296.700(4), FAC and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.03 gr/dscf [7.71 lbs/hr and 33.77 TPY].
[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to five percent opacity.
[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, 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 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. 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 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

11. 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 Permitting Authority upon request.
[Rule 62-213.440(1)(b)2.b., FAC, and Rule 2.501, JEPB]

12. 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 Permitting Authority.
[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

Compliance Assurance Monitoring

13. This emission unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB.
[40 CFR 64; and, Rules 62-204.800 and 62-213.440(1)(b)1.a., FAC, and Rules 2.201 and 2.501, JEPB]

Emission Unit No. 029-Bulk Granule Handling System

Emission Unit Description: Bulk granule unloading and conveying system (Note: Formerly part of EU 006)

Particulate Matter (PM) control device: Flex-Kleen dust collector M/N 20-PRBH-128M96 (IIIG)

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process throughput rate in the bulk granule handling system is 50 tons per hour of granules.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

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

3. The nominal volumetric air flow rate for this baghouse is 10,000 dscfm.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

Emission Limitations and Standards

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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.03 gr/dscf [2.57 lbs/hr and 11.26 TPY].
[Rule 62-296.711(2)(b), FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, 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 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. 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 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

11. 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 Permitting Authority upon request.
[Rule 62-213.440(1)(b)2.b., FAC, and Rule 2.501, JEPB]

Compliance Assurance Monitoring

12. This emission unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB.
[40 CFR 64; and, Rules 62-204.800 and 62-213.440(1)(b)1.a., FAC, and Rules 2.201 and 2.501, JEPB]

Emission Unit No. 030-Shingle Laminator System

Emission Unit Description: This system includes a line branching off from the existing shingle manufacturing line to produce laminated asphalt shingles. Adhesive and sealant is used in the manufacture of laminated roofing shingles. Two 100 gallon adhesive and sealant intermediate storage tanks and two adhesive and sealant applicators are used in the process. Two new filler/adhesive mixing tanks have been added to this EU. Filler and adhesive are mixed prior to being used in the asphalt coating process (aka the Sure Nail Process). Emissions from the two new tanks shall be vented to the existing Fiber Bed Filter as are the other operations in this system.

Particulate Matter (PM) control device: Fiber Bed Filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit shall be vented to a fiber bed filter for PM control.
[Rule 62-210.200(PTE), 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(PTE), 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 62-296.204.800, 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Emission Unit No. 031-Adhesive Tank (MLA)

Emission Unit Description: Modified Laminate Adhesive (MLA) storage tank with a capacity of 15,000 gallons (57 cubic meters) -- This tank was formerly subject to Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction Reconstruction, or Modification Commenced after July 23, 1984, Recordkeeping and Reporting requirements. The regulations have been modified and no longer apply to Liquid Storage Vessels less than 75 cubic meters in capacity.

Pollutant Control Device: Emissions are vented to a Fiber Bed Filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit shall be vented to a fiber bed filter for PM control.
[Rule 62-210.200(PTE), 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(PTE), 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, 40 CFR 60, Subpart A, General Provisions shall apply to the emission unit.

4. VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(c); Rule 62-296.204.800, 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[40 CFR 60.11, Rule 62-204.800, FAC, Rule 2.201, JEPB, Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Emission Unit No. 034-Asphalt Coater System No. 2

Emission Unit Description: Asphalt and filler (as required) are applied to the mat. Emissions are vented to the Fiber Bed Filter from the asphalt coater system no. 2 and the existing asphalt coater surge tank.

Particulate Matter (PM) control device: CECO Filters, Inc., M/N M-052 Fiber Bed Filter.

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(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. 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(PTE), FAC, and Rule 2.301, JEPB]

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. 40 CFR 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing shall apply to this emission unit.

5. PM emissions shall be limited to 0.06 lbs/ton (4.2 lbs/hr and 18.49 TPY) of asphalt shingle or mineral surfaced roll roofing produced.
[40 CFR 63.11561(b) and Rule 62-204.800, FAC, and Rule 2.201, JEPB]

6. VE shall be limited to a maximum of twenty (20) percent (%) opacity.
[40 CFR 60.472(a)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. No visible emissions from a saturator capture system shall be allowed for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.
[40 CFR 60. 472(a)(3), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

8. 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of November 1, 2008, concurrently with PM testing. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5A (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. Testing procedures shall be in accordance with the requirements in 40 CFR 60.474 (a)(b), (c), and (d); Rule 62-204.800, FAC, and Rule 2.201, JEPB.

11. PM testing shall be conducted annually from the date of November 1, 2008.
[Rule 62-297.310(7)(a)3., FAC, and Rule 2.1101, JEPB]

Continuous Monitoring Requirements

12. The owner/operator shall continuously monitor and record the temperature of the gas at the inlet to the fiber bed control device. The temperature monitoring instrument shall have an accuracy of +/- 15 degrees Centigrade over its range.
[40 CFR 60.473(a) and 40 CFR 60. 474(e); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

13. The permittee shall establish an operating value for inlet gas temperature and maintain the 3-hour average inlet gas temperature within the operating range established as specified in 40 CFR 63.115(b)(3).
[Rule 40 CFR 63.11563(b)(3), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

14. The permittee shall establish an operating value for pressure drop across the device and maintain the 3-hour average pressure drop across the device within the approved operating range established as specified in 40 CFR 63.11562(b)(3).
[Rule 40 CFR 63.11563(b)(3), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

15. For each monitoring system, a site-specific monitoring plan in accordance with 40 CFR 63.11563(b)(1), (2) and (3) shall be developed and made available for inspection by the Permitting Authority, upon request.
[Rule 40 CFR 63.11563(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

16. The permittee shall install, operate and maintain a continuous parameter monitoring system (CPMS) as specified in 40 CFR 63.11563(c)(1), (2) and (3).
[Rule 40 CFR 63.11563(c), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

17. For each temperature monitoring device, the permittee shall meet the CPMS requirements in 40 CFR 63.11563(c)(1), (2) and (3) and 63.11563(d)(1) through (d)(6).
[Rule 40 CFR 63.11563(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

18. The permittee shall operate and maintain the CPMS in continuous operation according to the site-specific monitoring plan.
[Rule 40 CFR 63.11563(k), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

19. The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan.
[Rule 40 CFR 63.11563(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

20. The permittee shall submit a notification of intent to conduct a compliance test at least 60 calendar days before the compliance test is scheduled to begin as required in 40 CFR 63.7(b)(1).
[Rule 40 CFR 63.11564(a)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

21. A compliance report shall be submitted as specified in 40 CFR 63.11564(b)(1) through (b)(4) and according to the dates specified in 40 CFR 63.11564(b).
[Rule 40 CFR 63.11564(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

22. The permittee shall maintain the records specified in 40 CFR 63.11564(c)(1) through (c)(10) for at least 5 years.
[Rule 40 CFR 63.11564(c), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

23. The permittee shall comply with the requirements of the General Provision (40 CFR Part 63, Subpart A) as specified in Table 5 of 40 CFR 63, Subpart AAAAAAA.
[Rule 40 CFR 63.11565, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Emission Unit No. 037 - Steam Generator

Emission Unit Description: This EU consists of one steam generating boiler. It is rated at 12.6 MMBTU per hour maximum heat input while firing natural gas. The boiler is an Industrial Combustion, Inc., Model Number 300-2.

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(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input for this EU shall be limited to 12.6 MMBtu per hour. Natural gas may only be fired.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one-hour period.
[Rule 62-296.406(1), FAC, and 2.1101, JEPB]

4. Sulfur dioxide (SO_2) and particulate matter (PM) emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.
[Rule 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297.310(7)(a)1., FAC, and Rule 2.1201, JEPB]

6. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 60 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Emission Unit No. 038 - Coating Tank No. 1

Emission Unit Description: This tank stores blown asphalt and other asphalt products.

Pollutant Control Device: Air pollutant emissions from this tank are vented to the fume incinerator or CECO fiber bed filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to the fume incinerator or CECO fiber bed filter.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE testing at the fume incinerator shall be conducted annually from the date of November 1, 2012, concurrently with PM testing of the blowing stills. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

8. VE testing at the CECO fiber bed filter shall be conducted annually from the date of November 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Continuous Monitoring Requirements

9. The permittee 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.
[40 CFR 60.473(b), Rule 62-204.800, FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

10. The permittee shall maintain records of the temperature monitoring results for at least five years. These records shall be made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), FAC and Rule 2.501, JEPB]

11. 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]

Emission Unit No. 039 - Asphalt Storage Tank No. 42

Emission Unit Description:	This tank stores blown asphalt and other asphalt products.
Pollutant Control Device:	Air pollutant emissions from this tank are vented to the fume incinerator or CECO fiber bed filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to the fume incinerator or CECO fiber bed filter.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE testing at the fume incinerator shall be conducted annually from the date of November 1, 2012, concurrently with PM testing of the blowing stills. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

8. VE testing at the CECO fiber bed filter shall be conducted annually from the date of November 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Continuous Monitoring Requirements

9. The permittee 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.
[40 CFR 60.473(b); Rule 62-204.800, FAC and Rule 2.201, JEPB.

Recordkeeping and Reporting Requirements

10. The permittee shall maintain records of the temperature monitoring results for at least five years. These records shall be made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), FAC and Rule 2.501, JEPB]

11. 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]

Emission Unit No. 040 - Asphalt Storage Tank No. 46

Emission Unit Description:	Tank No. 46 (9,954 Gallons) stores blown asphalt and other asphalt products.
Pollutant Control Device:	Air pollutant emissions from this tank are vented to the fume incinerator or CECO fiber bed filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to the fume incinerator or CECO fiber bed filter.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. VE testing at the fume incinerator shall be conducted annually from the date of November 1, 2012, concurrently with PM testing of the blowing stills. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

8. VE testing at the CECO fiber bed filter shall be conducted annually from the date of November 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Continuous Monitoring Requirements

9. The permittee 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.
[40 CFR 60.473(b); Rule 62-204.800, FAC and Rule 2.201, JEPB.

Recordkeeping and Reporting Requirements

10. The permittee shall maintain records of the temperature monitoring results for at least five years. These records shall be made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), FAC and Rule 2.501, JEPB]

11. 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]

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. 120-LST-81

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(PTE), FAC, and Rule 2.301, JEPB]

2. The nominal volumetric air flow rate for this baghouse is 10,000 dscfm.
[Rule 62-296.700(4), FAC and Rule 2.1101, 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 62-296.700(4), FAC and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, 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 2.1101, JEPB]

6. Visible Emissions (VE) shall be limited to five percent opacity.
[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, 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 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of November 1, 2008. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. 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 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

11. 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 Permitting Authority upon request.
[Rule 62-213.440(1)(b)2.b., FAC, and Rule 2.501, JEPB]

12. 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 Permitting Authority.
[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

Emission Unit No. 043 - Storage Tank Nos. 44 and 45

Emission Unit Description:	Tank No. 44 (25,000 Gallons) and Tank No. 45 (22,890 Gallons) process and/or stores sealant material.
Pollutant Control Device:	Air pollutant emissions from this tank are vented to the fume incinerator or CECO fiber bed filter.

Essential Potential to Emit (PTE) Parameters

1. Emissions from this emission unit are vented to the fume incinerator or CECO fiber bed filter.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[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. The total potential production rate for laminate-adhesive and sealant products shall not exceed 12,000 tons/yr.
[Rule 62-212.300, FAC, and Rule 2.401, JEPB]

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

6. 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

7. 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(5); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

8. VE testing at the fume incinerator shall be conducted annually from the date of November 1, 2012. concurrently with PM testing of the blowing stills. VE testing shall be conducted for a minimum period of 30 minutes during each PM test.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. VE testing at the CECO fiber bed filter shall be conducted annually from the date of November 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Continuous Monitoring Requirements

10. The permittee 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.
[40 CFR 60.473(b); Rule 62-204.800, FAC and Rule 2.201, JEPB.

Recordkeeping and Reporting Requirements

11. The permittee shall maintain records of the temperature monitoring results for at least five years. These records shall be made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), FAC and Rule 2.501, JEPB]

12. 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]

Emissions Unit No. 044 – Emergency Stationary RICE

Emissions Unit Description – Natural gas-fired spark ignition emergency generator, manufactured by Generac Corp. (Olympian Alternator Model)

Description of Engine	Year Built	Model Number	Horsepower	Rule Applicability
Generac Emergency Generator	1994	94A01517-S	100 HP	40 CFR Part 63, Subpart ZZZZ

{**Permitting Note:** This permit section addresses existing, emergency spark ignition (SI) reciprocating internal combustion engines (RICE) located at an area source of HAP emissions.}

1. ***40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*** *and* ***Subpart A, General Provisions*** shall apply to the engines of this emissions unit.
[40 CFR 63.6585, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

2. The permittee shall comply with the following operating limitations no later than October 19, 2013.
[40 CFR 63.6595(a)(1), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Essential Potential to Emit (PTE) Parameters

3. The permittee shall operate and maintain the emergency stationary RICE according to the following:

   (a) There is no time limit on the use of emergency stationary RICE in emergency situations.
   (b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or Local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
   (c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance checks and readiness testing.
   (d) The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.
   [40 CFR 63.6640(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

4. The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Emission Limitations and Operating Requirements

5. The permittee shall comply with the following requirements as outlined in 40 CFR 63, Subpart ZZZZ, Table 2d.

   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil analysis program to extend this interval, as provided in Specific Condition No. 6 below.
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   [40 CFR 63.6603(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

6. The permittee has the option of using an oil analysis program to extend the oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil in Specific Condition No. 5 for this emissions unit. The analysis program shall at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
   [40 CFR 63.6625(j), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

7. The permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow their own maintenance plan which shall provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions.
[40 CFR 63.6640(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Monitoring Requirements

8. The permittee shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Compliance Requirements

9. Each unit shall be in compliance with the operating standards in this section at all times.
[40 CFR 63.6605(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

10. Operation and Maintenance of Equipment. At all times the permittee shall operate and maintain the stationary RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Compliance Authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.6605(b), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

11. The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) was operated and maintained according to their own maintenance plan.
[40 CFR 63.6655(e), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

12. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
[40 CFR 63.6655(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

13. The records in Specific Condition Nos. 11 and 12 for this emissions unit shall be kept and maintained for a minimum period of five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records shall be provided to the Permitting Authority upon request.
[40 CFR 63.6660, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]