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

Title V Air Operation Permit Revision

Permit No. 0310050-022-AV
Revision of Title V Air Operation Permit No. 0310050-018-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Northeast District Permitting Program, Northeast District

8800 Baymeadows Way West, Suite 100
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Telephone: 904/256-1700
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Compliance Authority:

State of Florida
Department of Environmental Protection
Compliance Assurance, Northeast District

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Title V Air Operation Permit Revision

Permit No. 0310050-022-AV

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

JONATHAN P. STEVERSON
SECRETARY

Sent by Electronic Mail – Received Receipt Requested

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

Permit No.: 0310050-022-AV
Facility ID No.: 0310050
Jacksonville Mill
Project: Title V Air Operation Permit Revision

The purpose of this permit is to revise Title V air operation permit No. 0310050-018-AV to incorporate 0310050-019-AC for the above referenced facility. The existing Jacksonville Plant is located in Duval County 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.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: February 6, 2015
Renewal Application Due Date: February 21, 2018
Expiration Date: October 4, 2018

Richard S. Rachal III, P.G.
Permitting Program Administrator – Northeast District

RSR/yke

Subsection A. Facility Description.

This facility consists of a manufacturing plant for the production of asphalt and a manufacturing plant for the production of roofing products, including asphalt shingles. The plant processes several types of asphalts with various characteristics such as non-oxidized and oxidized. Regulated emission units include material handling operations, mineral application area (surfacing area), asphalt coater system, asphalt convertors (blowing stills), asphalt and asphalt products storage tanks, and asphalt loading equipment. The facility does not utilize a catalyst in the asphalt blowing process.
The facility is subject to the provisions of New Source Performance Standards (NSPS), 40 Code of Federal Regulation (CFR) 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture, 40 CFR 60, Subpart A, General Provisions; 40 CFR 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing, 40 CFR 63, Subpart A, General Provisions; 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and Subpart A – General Provisions; and Particulate Matter (PM) Reasonably Available Control Technology (RACT) requirements.

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

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 Emissions Units.

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
045	Sand System

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. Applicable Regulations.

Based on the Title V air operation permit revision EPSAP 3951-1 received November 5, 2014, this facility is not a major source of hazardous air pollutants (HAP). The existing facility is not PSD major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
40 CFR 60, Subpart A, NSPS General Provisions	001, 004, 012, 015, 021, 030, 031, 034, 038, 039, 040, 043
40 CFR 60, Subpart UU	001, 004, 012, 015, 021, 030, 031, 034, 038, 039, 040, 043
40 CFR 60, Subpart A, NESHAP General Provisions	012, 034, 044
40 CFR 63, Subpart AAAAAAA	012, 034, 044
40 CFR 63, Subpart ZZZZ	044
State Rule Citations (Rule 62-296.700(4), F.A.C.; Rule 2.1101, JEPB; Rule 2.301, JEPB; Rule 62-296.406(1), FAC)	001, 002, 003, 004, 028, 029, 037, 042, 045

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally Enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department.

[Rule 62-296.320(1), F.A.C. and Rule 2.1101, JEPB]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter 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 to prevent emissions of unconfined particulate matter at this facility include:

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]

FW6. Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW7. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available 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. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW8. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (3)(b), F.A.C.]

FW9. Prevention of Accidental Releases (Section 112(r) of CAA). If and when the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

FW10. 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]

FW11. 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]

FW12. 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]

FW13. 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].

FW14. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

FW15. 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]

The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
-001	Bulk Limestone Storage Silo No. 1

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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture and 40 CFR 60, Subpart A, General Provisions, 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. }

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

A.1. **Permitted Capacity**. 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]

A.2. **Hours of Operation**. This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

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

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **A.3.-A.8**. are based on the specified averaging time of the applicable test method.

A.3. **Visible Emissions**. 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]

A.4. **PM Emissions**. 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]

TEST METHODS AND PROCEDURES

{*Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}*

A.5. **Testing**. 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]

A.6. **VE Testing**. 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]

A.7. **Testing**. 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]

A.8. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

A.9. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.
[Rule 62-297.310, F.A.C.]

The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
002	Limestone Transfer System (Upper Surge Hopper)

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.

{This Emissions Unit is regulated under 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}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

B.1. **Process Rate.** 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]

B.2. **Hours of Operation**. This emissions unit may operate continuously (8,760 hours/year).
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

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

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **B.3.-B.8**. are based on the specified averaging time of the applicable test method.

B.3. **PM Emissions**. 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]

B.4. **Visible Emissions**. 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

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.5. **Testing**. 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]

B.6. **VE Testing.** 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]

B.7. **PM testing.** 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]

B.8. **PM testing**. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Subsection C. Limestone Filler Heater

The specific conditions in this section apply to the following emissions unit(s):

Subsection C. The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
003	Limestone Filler Heater with a Donaldson Company (Torit 8,530 acfm 64FTD Dust Collector for the control of particulate matter emissions

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 64FTD.

{This Emissions Unit is regulated under 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 and Rule 62-296.711, F.A.C Materials Handling, Sizing, Screening, Crushing and Grinding Operations }

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

C.1. **Maximum Heat Input:** 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]

C.2. **Process Rate:** 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]

C.3. **Hours of Operation:** This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

C.4. **PM Emissions:** 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 and Permit No. 0310050-019-AC]

C.5. **VE Emissions:** VE shall be limited to five (5) percent (%) opacity.

[Rule 62-296.711(2)(a), FAC, and Rule 2.1101, JEPB]

C.6 **Control Unit:** The emissions from the dust collector shall be controlled by the permitted (8,530 acfm Dust Collector). The dust collector shall be in operation at all times during operation of the Limestone Filler Heater. If there is a malfunction on the control unit, the owner or operator shall shut down the baghouse fan immediately to minimize excess emissions.

[Rule 62-210.700(1), F.A.C, Rule 62-4.070(3) F.A.C , Permit No. 0310050-019-AC]

TEST METHODS AND PROCEDURES

C.7. **VE Testing:** 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]

C.8. **VE Testing:** 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]

C.9. **PM Testing:** Compliance with Condition C.4. shall be determined by a visible emissions test indicating no visible emissions (5 percent opacity) from the dust collector in lieu of a Particulate Matter (PM) emissions stack test.

Testing for demonstration of compliance for PM emissions shall be performed, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration. The minimum sample volume shall be 30 dry standard cubic feet.

[Rules 62-297.620, 62-296.711(3)(c),F.A.C.,62-204.800(8)(e)3. F.A.C.; and Rules 2.1101, 2.1201, and 2.201 JEPB and Permit No. 0310050-019-AC]

C.10. **PM testing:** PM testing shall be conducted upon request of the Permitting Authority

[Rule 62- 296.711(3), FAC, and Rule 2.1101, JEPB]

C.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 Permitting Authority.

[Rule 62-296.700(6), FAC, Rule 2.1101, JEPB and Permit No. 0310050-019-AC]

C.12. 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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 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; 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]}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

D.1. **Loading Rate:** 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]

D.2. **Hour of Operation:** 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

D.3. **PM Emissions:** 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]

D.4. **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

D.5. **Testing:** 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]

D.6. **VE Testing:** 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]

D.7. **PM Testing:** 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]

D.8. **PM testing:** PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 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; 40 CFR 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing and the General Provision (40 CFR Part 63, Subpart A) as specified in Table 5 of 40 CFR 63, Subpart AAAAAAA.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

E.1. **Maximum Charging Rate.** 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]

E.2. **Hours of Operation**. 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

E.3. **PM Emissions.** PM emissions shall be limited to 0.60 kg/megagram (1.2 lbs/Ton) [63.45 lbs/hr and 124.10 TPY] of asphalt charged (non-catalyst mode).
[40 CFR 60.472(b)(1), 40 CFR 63.11561(a) and Rule 62-204.800, FAC, and Rule 2.201, JEPB]

E.4. **VE Emissions.** 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

E.5. **PM Testing.** 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]

E.6. **PM Testing.** 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]

E.7. **VE Testing.** 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]

E.8. **VE Testing.** 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

E.9. 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]

E.10. 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]

E.11. 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]

E.12. 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]

E.13. 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]

E.14. 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]

E.15. 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

E.16. 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]

E.17. 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]

E.18. 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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture and 40 CFR 60, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

F.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]

F.2. **Hours of Operation**. 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

F.3. **VE Emissions.** VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(c); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.4. **VE Emissions.** 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

F.5. **VE Testing.** 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]

F.6. **VE Testing.** 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]

F.7. **VE Testing.** 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

F.8. 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

F.9. 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]

F.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]

EU No.	Brief Description
021	Adhesive Tank

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

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

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture and 40 CFR 60, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

G.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]

G.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]

G.3. **Hours of Operation**. 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

G.4. **VE Emissions.** 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]

G.5. **VE Emissions.** 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

G.6. **VE Testing.** 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]

G.7. **VE Testing.** 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]

EU No.	Brief Description
-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)

{This Emissions Unit is regulated under Rule 62-296.700(4), FAC., and 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]}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

H.1. **Hours of Operation**. 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]

H.2. **Air Flow Rate**. 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

H.3. **The Maximum Process Throughput Rate.** 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]

H.4. **PM Emissions**. 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]

H.5. **VE 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

H.6. **VE Testing.** 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]

H.7. **VE Testing.** 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]

H.8. **PM Testing.** 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]

H.9. **PM Testing.** 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

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

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

COMPLIANCE ASSURANCE MONITORING

H.12. **CAM.** 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]

EU No.	Brief Description
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)

{This Emissions Unit is regulated under 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]}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

I.1. **The Maximum Process Throughput Rate.** 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]

I.2. **Hours of Operation**. 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]

I.3. **Air Flow Rate**. 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

I.4. **PM Emissions**. 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]

I.5. **VE Emissions**. 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

I.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)(a), FAC, and Rule 2.1101, JEPB]

I.7. **VE Testing.** 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]

I.8. **PM Testing.** 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]

I.9. **PM Testing.** 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

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

COMPLIANCE ASSURANCE MONITORING

I.11. **CAM.** 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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 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.**}**

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

J.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]

J.2. **Hours of Operation**. 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

J.3. **VE Emissions.** 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]

J.4. **VE Emissions.** 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

J.5. **VE Testing.** 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]

J.6. **VE Testing.** 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]

EU No.	Brief Description
031	Modified Laminate Adhesive (MLA) storage tank

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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture, 40 CFR 60, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

K.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]

K.2. **Hours of Operation**. 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

K.3. **VE Emissions**. 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]

K.4. **VE Emissions**. 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

K.5. **Testing**. 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]

K.6. **Testing**. 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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture and 40 CFR 60, Subpart A, General Provisions and 40 CFR 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

L.1. **Hours of Operation.** 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

L.2. **Production Rate**. 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]

L.3. **PM Emissions.** 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]

L.4. **VE Emissions.** 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]

L.5. **VE Emissions**. 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

L.6. **Testing**. 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]

L.7. **Testing**. 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]

L.8. **Testing**. 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.

L.9. PM testing shall be conducted annually from the date of November 1, 2008. [Rule 62-297.310(7)(a)3., FAC, and Rule 2.1101, JEPB]

CONTINUOUS MONITORING REQUIREMENTS

L.10. 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]

L.11. 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 63.11563(b)(3).
[Rule 40 CFR 63.11563(b)(3), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

L.12. 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]

L.13. 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]

L.14. 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]

L.15. 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]

L.16. 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]

L.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]

RECORDKEEPING AND REPORTING REQUIREMENTS

L.18. 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]

L.19. 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]

L.20. 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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under Rule 62-296.406, FAC., and BACT dated 3/28/07}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

M.1. **Hours of Operation.** 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

M.2. **Maximum Heat Input**. 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]

M.3. **VE Emissions.** 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]

M.4. Sulfur dioxide (SO_2) and particulate matter (PM) emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination dated 3/28/07.
[Rule 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

M.5. **VE Testing.** 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]

M.6. **VE Testing.** 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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture and 40 CFR 60, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

N.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]

N.2. **Hours of Operation.** 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

N.3. **VE Emissions.** VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(c); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

N.4. **VE Emissions.** 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

N.5. **Testing**. 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]

N.6. **VE Testing**. 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]

N.7. **VE Testing**. 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

N.8. 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

N.9. 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]

N.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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture; and 40 CFR 60, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

O.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]

O.2. **Hours of Operation.** 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

O.3. **VE Emissions.** VE shall be limited to zero (0) percent (%) opacity
[40 CFR 60.472(c); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

O.4. **VE Emissions.** 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

O.5. **VE Testing.** 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]

O.6. **VE Testing.** 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]

O.7. **VE Testing.** 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

O.8. 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

O.9. 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]

O.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]

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture; and 40 CFR 60, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

P.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]

P.2. **Hours of Operation.** 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

P.3. **VE Emissions.** VE shall be limited to zero (0) percent (%) opacity.
[40 CFR 60.472(c); Rule 62-204.800, FAC, and Rule 2.201, JEPB]

P.4. **VE Emissions.** 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

P.5. **VE Testing.** 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]

P.6. **VE Testing.** 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]

P.7. **VE Testing.** 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

P.8. 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

P.9. 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]

P.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]

P.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 two years following the date of such measurements, maintenance, reports, and records.
[40 CFR 60.7(f), Rule 62-204.800, FAC, Rule 62-213.440(1)(b), FAC, Rule 2.201, JEPB, and Rule 2.501, JEPB]

EU No.	Brief Description
042	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.

{This Emissions Unit is regulated under 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]}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

Q.1. **Hours of Operation:** 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]

Q.2. **Air Flow Rate:** 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

Q.3. **Production Rate:** 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]

Q.4. **PM Emissions:** 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]

Q.5. **VE Emissions:** 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

Q.6. **VE Testing:** 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]

Q.7. **VE Testing:** 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]

Q.8. **PM Testing:** 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]

Q.9. **PM Testing:** 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

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

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

EU No.	Brief Description
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.

{This Emissions Unit is regulated under 40 CFR 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture; and 40 CFR 60, Subpart A, General Provision.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

R.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]

R.2. **Hours of Operation:** 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

R.3. **Production Rate:** 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]

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

R.5. **VE Emissions:** 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

R.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]

R.7. **VE Testing:** 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]

R.8. **VE Testing:** 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

R.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

R.10. **Records:** 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]

R.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]

EU No.	Brief Description
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.}

{This Emissions Unit is regulated under 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.}

S.1. 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

S.2. 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]

S.3. 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

S.4. 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]

S.5. 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]

S.6. 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

S.7. 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

S.8. 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]

S.9. **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

S.10. 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]

S.11. 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]

S.12. The records in **Specific Condition Nos. S.10 and S.11** 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]

Subsection T. Emissions Unit No. 045 – Sand System

ID No.	Emission Unit Description
045	Sand System with a Donaldson Company (Torit) 2,680 acfm CPV4 Dust Collector for the control of particulate matter emissions

Existing Sand System control unit previously vented to the control system for the Bulk Granule Handling System (EU 029).The sand system is now equipped with a new stand alone control unit and has been reconfigured to no longer vent to EU 029. The Sand System emissions will be exhausted to the atmosphere classifying the unit as a new emissions source (EU 045).

{This Emissions Unit is regulated under 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], Operation and Maintenance Plan [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] and Rule 62-296.711, F.A.C Materials Handling, Sizing, Screening, Crushing and Grinding Operations }

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

T.1. **Hours of Operation:** The hours of operation are not limited (8760 hours per year).

[Rule 62-210.200(PTE) F.A.C.; Rule 2.301, JEPB, and Permit No. 0310050-019-AC]

T.2. **Process Rate:** The estimated maximum process throughput rate to the sand system is 20.0 TPH.

[Rules 62-4 .070(3) and 62-210.200(PTE), F.A.C.; Rule 2.1101, JEPB, Application No. 0310050-019-AC]

EMMISIONS LIMITATIONS AND STANDARDS

T.3. **Particulate Matter Emissions:** PM emissions (from control unit) vent or stack shall not exceed 0.03 grains per dry standard cubic foot, equivalent emissions 0.69 pounds per hour and 3.01 tons per year.

[Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB Application No. 0310050-019-AC]

T.4. **Visible Emissions:** Visible emissions (from control unit) shall not exceed five (5) percent (%) opacity.

[Rules 62-296.711(2)(a) and 62-297.620(4), F.A.C., and Rules 2.1101 and 2.1201, JEPB]

[Permit No. 0310050-019-AC]

T.5. **Control Unit:** The emissions from the dust collector shall be controlled by the permitted (2,680 acfm CPV4 Dust Collector). The dust collector shall be in operation at all times during operation of the sand system. If there is a malfunction on the control unit, the owner or operator shall shut down the baghouse fan immediately to minimize excess emissions.

[Rule 62-210.700(1), F.A.C, Rule 62-4.070(3) F.A.C and Permit No. 0310050-019-AC]

TEST METHODS AND PROCEDURES

T.6. **Particulate Matter Compliance Test:** Compliance with Specific Condition T.3. Shall be determined by a visible emissions test indicating no visible emissions (5 percent opacity) from the dust collector in lieu of a P.M. stack test.

Testing for demonstration of compliance for P.M. shall be performed, upon request of the Department, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter. The minimum sample volume shall be 30 dry standard cubic feet.

[Rules 62-297.620, 62-296.711(3)(c),F.A.C. ,62-204.800(8)(e)3. F.A.C.; and Rules 2.1101, 2.1201, and 2.201 JEPB and Permit No. 0310050-019-AC]

T.7. **Test Method (VE):** The test method for visible emissions shall be shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. The test shall be conducted by an observer certified in accordance with the requirements of Rule 62-297.320, F.A.C. – Standards for Persons Engaged in Visible Emissions Observations (specified in Subsection D). The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C.

[Rules 62-296.711(3)(a), 62-297.620(4),and 62-204.800(8)(e)3. F.A.C.; Appendix A of 40 CFR 60and Rules 2.1101, 2.1201, and 2.201 JEPB and Permit No. 0310050-019-AC]

T.8. **Visible Emissions Compliance Tests:** VE testing shall be conducted annually. 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 and Permit No. 0310050-019-AC]

RECORDKEEPING AND REPORTING REQUIREMENTS

T.9. 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, Rule 2.1101, JEPB and Permit No. 0310050-019-AC]

T.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 Permitting Authority upon request.

[Rule 62-213.440(1)(b)2.b., FAC, and Rule 2.501, JEPB]

T.11. This Facility is subject to SECTION 2. Administrative Requirements of this permit and also, the attached Appendices.

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.
Appendix CAM, Compliance Assurance Monitoring Plan.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix NESHAP, Subpart A – General Provisions.
Appendix NESHAP, AAAAAAA.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart UU.
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix U, List of Unregulated Emissions Units and/or Activities.

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Figure 1, Summary Report-Gaseous and Opacity Excess Emission and b
Monitoring System Performance (40 CFR 60, July, 1996).
Table H, Permit History.
Table 1, Summary of Air Pollutant Standards and Terms.
Table 2, Compliance Requirements.