FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

FINAL PERMIT

PERMITTEE

The Lane Construction Corporation
3350 Reynolds Road
Lakeland, Florida 33803

Authorized Representative:
Mr. Daniel Hoyt, Senior Plant Manager

Air Permit No. 1050447-001-AC
Permit Expires: 06/30/2015
Site Name : Davenport Hot Mix Asphalt Plant
Minor Air Construction
Project Name: Asphalt Plant Initial Construction Permit

This is the final air construction permit for a new drum mix asphalt plant. The proposed work will be conducted at the Davenport Hot Mix Asphalt Plant (Standard Industrial Classification No. 2951). The facility will be located in Polk County at 3600 County Road 547 North in Davenport, Florida. The UTM coordinates are Zone 17, 441.46 km East, and 3120.86 km North. As noted in the Final Determination provided with this final permit, no changes or only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida

Kelley M. Boatwright 07/29/2013

Kelley M. Boatwright — Effective Date
District Air Program Administrator
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on the date indicated below to the persons listed below.

Daniel Hoyt, Senior Plant Manager
The Lane Construction Corporation
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Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Rhonda Hughes July 30, 2013

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Project Description and Proposed Emission Units

This is the initial air construction permit for a drum mix asphalt concrete plant. The facility includes the drum mix asphalt concrete plant; a No. 2 diesel oil fired liquid asphalt heater; a portable reclaimed asphalt pavement (RAP) crushing system that is brought on site occasionally to crush RAP into a smaller size, an exempt diesel fired engine, an exempt lump breaker and exempt lime silo. This project will create the following emissions units (EUs).

EU ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant
002	Portable Reclaimed Asphalt Pavement (RAP) Crushing System

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

Exempt Emission Units/Activities

An ALMix Model HC-200 helical coil type heater with a 2.0 MMBtu/hour output capacity is provided to heat the liquid asphalt storage system. The fully automatic unit is complete with heat exchanger, circulating pump, burner, expansion tank, manifold and control system. The helical coiled tube heat exchanger provides for a controlled flow design of maximum thermal efficiency. The heater burns new No. 2 fuel oil with a maximum sulfur content of 0.05% by weight.
[Rule 62-210.300(3)(a)33., F.A.C.]

A Steadman 3630 Grand Slam 10 HP recycle lump breaker that breaks up large RAP material that has already been processed. This exempt emissions unit also includes a Diester 4’x10’ double deck scalping screen with remote deck selection and total screen by-pass is provided as a modular unit mounted over the aggregate weight conveyor. It also includes a portable two (2) compartment recycle feeder bin assembly.
[Rule 62-210.300(3)(b)1., F.A.C.]

A stationary lime silo with a 700 BBL capacity and a diameter of 11 ft. The silo includes ladder with handrail and kick plate, high and low bin indicators and a 4” diameter fill line. Aeration pads are mounted and piped to a single point. A baghouse is provided on the silo top for activation when filling the silo.
The lime silo has an ALMix BV-49 silo vent filter baghouse for controlling particulate matter emissions.
[Rule 62-210.300(b)1., F.A.C.]

A 320 HP (maximum) diesel engine and 100 kW power generator with the maximum design heat input rate of 2.27 MMBtu/hour. They are fired with new No. 2 fuel oil with a maximum sulfur content of 0.5% by weight. If any engine is or becomes subject to 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines or 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, the affected engine(s) shall comply with all the limitations and requirements of that subpart.
[Rule 62-210.300(3)(a)35., F.A.C.]

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for the pollutants particulate matter less than 10 microns (PM_{10}), sulfur dioxide (SO_2), carbon monoxide (CO) and hazardous air pollutants (HAPs). The emission limitations, restriction on hours of operation, restriction on the type or amount of material combusted, stored or processed in this permit will ensure that the facility's $PM_{10,}$ SO_2, CO, and HAP emissions will be below the threshold for a Title V source.
- This facility is regulated under Rule 62-210.300(3)(c)2., F.A.C., Conditional Exemptions from Title V Permitting.
- The drum mix asphalt plant is regulated under New Source Performance Standards (NSPS) - 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable.
- The portable RAP crushing system is regulated under NSPS - 40 CFR, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants, and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable.
- If an engine brought on site with the Portable RAP Crushing System (EU No. 002) remains on site for more than 12 consecutive months and was manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005, it will be subject to the requirements of Title 40, Code of Federal Regulations (CFR), Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. As long as the permittee operates and maintains the engine according to the manufacturer's instructions or procedures over the entire life of the engine and the manufacturer keeps its certification, the engine is not required by the federal rule to demonstrate compliance with emission limits.
- If an engine brought on site with the Portable RAP Crushing System (EU No. 002) remains on site for more than 12 consecutive months, it is subject to Title 40, Code of Federal Regulations, Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. An engine is considered existing if construction or reconstruction of the engine commenced before June 12, 2006. An engine is considered new if it was constructed or reconstructed on or after June 12, 2006. A new engine must comply with 40 CFR 60, Subpart IIII (see previous bullet).

PERMIT HISTORY/AFFECTED PERMITS

No previous air permits have been issued for this facility.

ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air Resource Management Section. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance and Enforcement Section - Attention: AIR. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

3. Appendices - The following Appendices are attached as part of this permit:

a. Appendix A. Citation Formats and Glossary of Common Terms;
b. Appendix B. General Conditions;
c. Appendix C. Common Conditions;
d. Appendix D. Common Testing Requirements;
e. Appendix E. 40 CFR 60, Subpart A - General Provisions;
f. Appendix F. 40 CFR 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities;
g. Appendix G. 40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants; and
h. Appendix H. RAP Crushing System Flow Diagram.

4. Applicable Regulations, Forms and Application Procedures - Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions - For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080, F.A.C.]

6. Modifications - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

7. Annual Operating Report - On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
[Rule 62-210.370(3), F.A.C.]

8. Application for Non-Title V Air Operation Permit - This permit authorizes construction of the permitted emissions unit(s) and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit(s). The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit, the applicant shall submit the following:

a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;

c. a copy of the initial compliance test report(s) required by Specific Condition Nos. A.15., B.14. or B.15 if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition Nos. 10., A.16., A.17., B.16. - B.18.

The application shall be submitted to the Permitting Authority.

[Rules 62-4.030, 62-4.050, 62-4.220, F.A.C.]

FACILITY-WIDE SPECIFIC CONDITIONS

9. Facility-Wide Fuel Usage - Facility-wide fuel oil consumption, including exempt sources, shall not exceed 1.2 million gallons in any consecutive 12-month period.
[Rule 62-210.300(3)(c)2.b., F.A.C.]

10. Facility-Wide Fuel Usage Records - To demonstrate compliance with the fuel usage limitation of Specific Condition No. 9., the permittee shall maintain the following monthly records:

a. facility name, facility ID No. (1050447), month and year;

b. type and quantity of each fuel oil used at the facility (gallons) (including permitted and exempt emission units) for the month;

c. type and quantity of each fuel oil used at the facility (gallons) (including permitted and exempt emission units) for the most recent consecutive 12-month period (gallons per consecutive 12-month period); and

d. total amount of fuel oil used at the facility from all sources and types of fuel oil for the most recent consecutive 12-month period (gallons per consecutive 12-month period).

[Rules 62-210.300(3)(c)2.b and 62-4.070(3), F.A.C.]

11. Asbestos Containing Materials – This facility shall **not** process Asbestos Containing Materials (ACM), whether regulated asbestos containing material (RACM), category I or category II, and whether friable or non-friable when received at the facility.

a. "Asbestos" means the asbestiform varieties of serpentinite (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite, anthophyllite, and actinolite-tremolite and includes trade acronyms products such as amosite.

b. "Asbestos-containing materials", ACM, means any materials which contain more than one percent asbestos as determined by Polarized Light Microscopy. Based on a representative composite sample.

c. "Asbestos removal project" means renovation or demolition operation in a facility that involves the removal of a threshold amount of regulated asbestos-containing material.

d. "Category I Nonfriable Asbestos-Containing Material (ACM)" means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy.

e. "Category II Non-friable ACM" means any material, excluding Category I Nonfriable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

[40 CFR 61, Subpart M; Chapter 62-257, F.A.C.; and Rules 62-730.300 and 62-701.520, F.A.C.]

12. Unconfined Emissions of Particulate Matter - In addition to the conditions in Appendix C., Condition 9, the following reasonable precautions shall be followed:

a. paving and maintenance of roads, parking area, and yards or the application of water to paved and unpaved roads, parking areas, and yards to control emissions;

b. use of sprinklers on stock piles if necessary;

c. removal of particulate matter from roads and other paved areas under the control of the owner of operator of the facility to prevent the reentrainment, and from buildings or work areas to prevent particulate from becoming airborne;

d. landscaping or planting of vegetation; and

e. limiting the material drop height whenever possible.

(*Permitting Note: If operation experience indicates that these reasonable precautions are not sufficient to control unconfined emissions, the Department reserves the right to require additional measures, such as recordkeeping for water truck gallons applied, etc.*)

[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

13. Fugitive Emissions Opacity Standard - In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, all sources of unconfined particulate matter not subject to 40 CFR 60, Subpart OOO, should not exceed 10% opacity. Exceedance of this limit shall not be considered a violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined in Specific Condition No. 16. may be necessary.
[Rules 62-4.070(3), F.A.C.]

14. Records Retention – All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent five (5) year period.
[Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

A. EU No. 001 Drum Mix Asphalt Plant

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant - This emissions unit (EU) is an ALMix 100 UF drum mix asphalt plant having a design capacity of 350 tons per hour (TPH) of hot mix asphalt concrete. The plant is permitted to process either conventional surface mix (virgin) or reclaimed asphalt pavement (RAP). The dryer burner is fired at a maximum heat input rate of 140 (MMBtu)/hour with "on-specification" reclaimed fuel oil. Alternate fuels that may be burned are natural gas and new Nos. 4, 5 or 6 fuel oil. The sulfur content of the fuel oils shall not exceed 1.0% by weight. Particulate matter emissions from the asphalt plant are controlled by a Hauck portable reverse air baghouse with a design airflow rate of 75,000 cfm. Associated with the asphalt plant is an exempt hot oil heater which is used to heat liquid asphalt, an exempt lump breaker which breaks up large clumps of RAP and an exempt lime storage silo.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60 Subpart I, Standards of Performance for Hot Mix Asphalt Facilities (See Appendix F.) and the attached general provisions of 40 CFR 60, Subpart A, General Standards (see Appendix E.), where applicable, which are adopted by reference in Rule 62-204.800, F.A.C.
[Rule 62-204.800(8), F.A.C.; 40 CFR 60, Subparts A and I]

A.2. Permitted Capacity - This emission unit is limited to the following operating parameters:

EU ID No.	Brief Description	Monthly Average Maximum Heat Input Rate (MMBtu/hour)	Daily Average Maximum Production Rate of Hot Mix Asphalt Concrete (tons/hour)	Maximum Production of Hot Mix Asphalt Concrete (tons/any consecutive 12-month period)	Hours of Operation (hours/ consecutive 12-month period
001	Drum Mix Asphalt Plant	140	350.0	500,000	4,000

[Rule 62-210.200 ("Potential to Emit"), F.A.C.]

(Permitting Notes – Fuel usage and hours of operation recordkeeping are used to determine compliance with the Maximum Heat Input Rate Limit.

See Appendix D, Condition 1, for Operation Rate during Testing requirements.)

A.3. Authorized Fuels - The following fuels are allowed as ranked from the cleanest fuel (top) to the dirtiest fuel (bottom) for particulate matter and visible emissions testing purposes:

a. natural gas;

b. on-specification reclaimed fuel oil;

c. new No. 4 fuel oil;

d. new No. 5 fuel oil; and

e. new No. 6 fuel oil.

[Rule 62-210.200 ("Potential to Emit"), F.A.C.]

A.4. Fuel Oil Sulfur Content Limitation - The sulfur content for the new No. 4, 5 and 6 fuel oil and the on-specification reclaimed fuel oil shall not exceed 1.0% by weight.
[Rules 62-210.200 ("Potential to Emit") and 62-210.300(c)2.c., F.A.C.]

A.5. Reclaimed Fuel Oil Specifications – The permittee shall not burn off-specification reclaimed fuel oil. For each delivery of on-specification reclaimed fuel oil, the vendor shall provide an analysis documenting the fuel oil meets the following requirements of 40 CFR 761.20(e)(2) and (3) and 40 CFR 279.11:

Constituent/Property	**Allowable Level**
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	Shall not exceed 1000 ppm
Flash Point	100 degrees F minimum
PCB's	Shall be less than 2 ppm

[Rules 62-4.070(3) and 62-710.210, F.A.C.]

EMISSIONS STANDARDS

A.6. Particulate Matter (PM) Emissions – PM emissions associated with the asphalt concrete plant shall not exceed 0.04 grains per standard cubic foot averaged over a three (3) hour period.
40 CFR 60 Subpart I, 60.92(a)(1) and adopted by reference in rules 62-204.800(8) and 62-210.300(3)(c)2.d., F.A.C.]

A.7. Visible Emission Limit (VE) – Visible emissions associated with the asphalt concrete plant shall not be equal or greater than 20% opacity.
[40 CFR 60 Subpart I, 60.92(a)(2) and adopted by reference in Rules 62-204.800(8) and 62-210.300(3)(c)2.f., F.A.C.]

COMPLIANCE TESTING REQUIREMENTS

A.8. Initial Compliance Tests - The asphalt plant dryer's baghouse exhaust shall be tested to demonstrate initial compliance with the emissions standards for particulate matter (PM) and visible emissions (VE). The initial tests shall be conducted within 60 days after achieving the maximum production rate at which the plant will be operated
[Rules 62-4.070(3) and 62-297.310(7)(a)1., F.A.C.; 40 CFR 60.8]

A.9. Compliance Tests - During each federal fiscal year (October 1st to September 30th), the asphalt plant dryer's baghouse exhaust shall be tested to demonstrate compliance with the emissions standards for particulate matter and visible emissions.
[Rule 62-297.310, F.A.C.]

A.10. Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

A.11. Compliance Test Methods - Required compliance tests shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5 or 5A	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.401, F.A.C.; Appendix A of 40 CFR 60

A.12. Additional Compliance Testing Requirements – The permittee shall comply with all of the following regarding compliance testing for the drum mix asphalt plant.

a. A compliance test submitted when the asphalt plant is processing RAP shall limit the plant to only processing RAP. Once so limited, within thirty (30) days of processing virgin material (conventional hot mix asphalt), new compliance tests for particulates and visible emissions for the asphalt plant's baghouse shall be conducted using only virgin materials. A compliance test submitted when processing only virgin material (conventional hot mix asphalt) shall also allow the plant to process RAP.

b. A compliance test submitted when the dryer is fired with natural gas will automatically constitute an amended permit to allow the dryer to be fired with natural gas without restriction and up to 400 hours of firing fuel oil (on-specification reclaimed fuel oil or new Nos. 4, 5 or 6 fuel oil) prior to triggering a requirement for additional compliance testing. Within 30 days of exceeding the 400th hour of firing the dryer with fuel oil, new compliance tests shall be conducted with the dryer being fired with fuel oil. If the 400 hours of fuel oil firing included any period of using new Nos. 4, 5, or 6 fuel oil, then the additional testing shall be conducted with the dryer being fired with the

"dirtiest"(see Specific Condition No. A.3.) fuel oil. Otherwise, the additional testing may be done while firing on-specification reclaimed fuel oil.

c. A compliance test submitted when the dryer is fired with on-specification reclaimed fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with on-specification reclaimed fuel oil or natural gas and up to 400 hours of firing new Nos. 4, 5 or 6 fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with new Nos.4, 5 or 6 fuel oil, new compliance tests shall be conducted with the dryer being fired with the "dirtiest"(see Specific Condition No. A.3.) fuel oil.

d. A compliance test submitted when the dryer is fired with new No .4 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with on-specification reclaimed fuel oil, new No. 4 fuel oil or natural gas and up to 400 hours of firing new Nos. 5 or 6 fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with new Nos. 5 or 6 fuel oil, new compliance tests shall be conducted with the dryer being fired with the "dirtiest"(see Specific Condition No. A.3.) fuel oil.

e. A compliance test submitted when the dryer is fired with new No .5 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with on-specification reclaimed fuel oil, new Nos. 4 or 5 fuel oil or natural gas and up to 400 hours of firing new No. 6 fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with new No. 6 fuel oil, new compliance tests shall be conducted with the dryer being fired on new No. 6 fuel oil.

f. A compliance test submitted when the dryer is fired with new No. 6 fuel oil will automatically constitute an amended permit to allow the dryer to be fired with new No. 4 or 5 fuel oil, on-specification reclaimed fuel oil, or natural gas.

[Rules 62-4.070(3) and 62-297.310, F.A.C.]

NOTIFICATION REQUIREMENTS

A.13. Test Notification - The permittee shall notify the Compliance Authority in writing at least 30 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(*Permitting Note* - *The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.; 40 CFR 60.8(d) (Subpart A)]

A.14. Notification of Operation Commencement - The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the drum mix asphalt plant, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rules 62-4.070, and 62-210.200, F.A.C., ("Commence Operation")]

RECORDKEEPING AND REPORTING REQUIREMENTS

A.15. Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.

a. production rate of hot mix asphalt concrete in tons/hour and the type of material processed (virgin materials or RAP);

b. type of fuel used (natural gas, new No. 4, 5, or 6 fuel oil, on-specification reclaimed fuel oil);

c. fuel oil analysis of the sulfur content of the fuel oil used;

d. reclaimed fuel oil analysis to document compliance with the on-specification reclaimed fuel oil limits, if applicable; and

e. a copy of the records for the month the test was conducted as required by Specific Condition No. A.17.

f. a visible emission test report for each RAP crushing system that used an off-site VE test to comply with Specific Condition No. B.7., since the previous asphalt plant emissions test *(see Specific Condition No. B.15.)*.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

A.16. Fuel Sulfur Content Record - In order to document continuing compliance with the sulfur content limitation in Specific Condition No. A.4., in percent by weight of the fuel oil, the permittee shall keep records on either vendor provided as-shipped analysis or on analysis of as-received samples taken at the plant. The analysis shall be determined by appropriate ASTM methods.
[Rules 62-4.070(3) and 62-210.300(3)(c)2.c. F.A.C.]

A.17. Daily and Monthly Logs - To document compliance with the requirements of Specific Condition Nos. A. 2. - A.4., the following records shall be maintained:

Daily Records – Asphalt Concrete Production:

a. facility name, facility ID (1050447), Emission Unit ID No. (001), date;

b. total asphalt concrete production (virgin/conventional) in tons;

c. total asphalt concrete production (containing RAP) in tons;

d. total asphalt concrete production (virgin/conventional and containing RAP combined) in tons;

e. total hours of asphalt concrete production;

f. calculation of the daily average production rate (in tons/hour) of asphalt concrete based on items d. and e. above.

Daily Records – Fuel Oil Usage:

a. The permittee shall keep the following daily records starting from the date of the most recent compliance test:

(1) dryer hours of operation while firing on-specification reclaimed fuel oil;

(2) dryer hours of operation while firing new No. 4 fuel oil;

(3) dryer hours of operation while firing new No. 5 fuel oil;

(4) dryer hours of operation while firing new No. 6 fuel oil;

(5) total dryer hours of operation while firing fuels listed in items (1), (2), (3), and (4) above.

(Permitting Note: When the dryer hours of operation calculated in Specific Condition No. A.17., under the "Daily Records – Fuel Oil Usage" section exceeds 400 hours, then additional compliance testing is required (see Specific Condition No. A.12.).)

Monthly Records – Asphalt Concrete Production:

a. facility name, facility ID (1050447), Emission Unit ID (001), month and year;

b. total tons of both types of asphalt concrete produced for the month (tons), and a calculation of the most recent consecutive 12-month rolling total asphalt production (tons/12 consecutive month period);

c. total operating hours of the asphalt concrete plant's dryer for the month (hours), and a calculation of the most recent consecutive 12-month rolling total dryer operating hours (hours/consecutive 12-month period);

e. quantity and type of fuel used to fire the hot oil heater;

f. total usage of all fuel oil used to fire the asphalt plant's dryer and hot oil heater; and

g. most recent consecutive 12-month rolling total usage rate of all fuel oil used to fire the asphalt plant's dryer and hot oil heater.

[Rule 62-4.070(3), F.A.C.]

B. EU No. 002 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

EU ID No.	Emission Unit Description
002	Portable Reclaimed Asphalt Pavement (RAP) Crushing System - This emission unit consists of a portable RAP crushing system that is brought on site (as needed) to crush the RAP into a smaller size for use in the manufacture of new hot mix asphalt. The portable RAP crushing system may be a system that is owned by a different owner/company. The RAP crushing system has a maximum throughput limit of 250,000 tons per any consecutive 12-month period. The crusher and associated equipment are powered by an exempt 320 HP (maximum) diesel engine and 100 kW power generator fired with new No. 2 fuel oil with a maximum sulfur content of 0.5% by weight.

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements -

a. If a portable RAP crushing system used at this asphalt plant is not subject to the attached Title 40, Code of Federal Regulations (CFR), Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (see Appendix G.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix E.), where applicable, then only Specific Condition Nos. B.2., B.3., B.4., B.6., B.16., and B.18.a.-e. apply.

b. If a portable RAP crushing system used at this asphalt plant is subject to the attached Title 40, Code of Federal Regulations (CFR), Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (see Appendix G.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix E.), where applicable, then all of the following specific conditions apply.

[40 CFR 60, Subparts A and OOO]

B.2. Florida Air Permit Requirement - Every portable RAP crushing system operated at this facility shall have a valid Florida Air General Permit or a non-Title V relocatable air operation permit. While on site, any portable crushing system is also subject to all the terms and conditions contained in this Air Construction and Air Operation Permit.
[Rule 62-4.070 (3), F.A.C.]

B.3. Permitted Capacity - This emission unit is limited to the following operating parameters:

EU ID No.	Brief Description	Maximum Throughput of Reclaimed Asphalt Pavement at this Facility (tons/any consecutive 12-month period)
003	RAP Crushing System*	250,000

*Only one RAP crushing system is authorized to operate with this asphalt plant at any one time.

[Rules 62-210.200 ("Potential to Emit") and 62-297.310(2), F.A.C.]

B.4. Maximum Emission Points - The crushing system located with the asphalt concrete plant shall not have more emission points and specific pieces of equipment than shown in the Table below. (See Appendix H. for a flow diagram of the RAP Crushing System.)

Emission Point No.	Brief Description
1	Drop to Loading Hopper
2	Crusher Inlet
3	Crusher to Conveyor 1
4	Conveyor 1 to Screen
5	Screen
6	Screen to Conveyor 4
7	Conveyor 4 to Stacking Conveyor
8	Screen to Oversize Conveyor 2
9	Oversized Conveyor 2 to Oversized Conveyor 3
10	Oversized Conveyor 3 to Loading Hopper
11	Stacking Conveyor to Stockpile

[Rule 62-210.200 ("Potential to Emit"), F.A.C.]

EMISSIONS STANDARDS

B.5. Visible Emissions (VE) Limitations - Each emission point associated with this emission unit shall comply with the following maximum visible emission limitations:

Emission Point No.	Brief Description	Max.VE Limit (% Opacity)[1]	Max.VE Limit (% Opacity)[2]
1	Drop to Loading Hopper	<20*	<20*
2	Crusher Inlet	15**	12*
3	Crusher to Conveyor 1	15**	12*
4	Conveyor 1 to Screen	10**	7*
5	Screen	10**	7*
6	Screen to Conveyor 4	10**	7*
7	Conveyor 4 to Stacking Conveyor	10**	7*
8	Screen to Oversize Conveyor 2	10**	7*
9	Oversized Conveyor 2 to Oversized Conveyor 3	10**	7*
10	Oversized Conveyor 3 to Loading Hopper	10**	7*
11	Stacking Conveyor to Stockpile	<20*	<20*

* Rule 62-296.320(4)(b), F.A.C. ** 40 CFR 60.672(b)

[1] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/08.

[2] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction on or after 4/22/2008.

(Permitting Note: Emission Point Nos. 1 and 11 do not require regular scheduled VE compliance testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation.)

[Rules 62-210.200 ("Potential to Emit") and 62-296.320, F.A.C.; 40 CFR 60.672(b) and (c)]

B.6. Unconfined Emissions of Particulate Matter - Unconfined emissions shall be controlled by using a water suppression system with spray bars located wherever unconfined emissions occur at the feeder, the entrance and exit of the crusher, the classifier screen, and the conveyor drop points.
[Rule 62-296.320, F.A.C.]

TESTING REQUIREMENTS

B.7. Visible Emissions Test Requirements - In order to determine compliance with the visible emission limitations of Specific Condition No. B.5. for each crushing system that is brought on-site, the permittee shall maintain on site either documentation of the most recent* annual visible emissions test that complies with the crushing system's General Permit or non-Title V relocatable air operation permit requirements prior to locating at this site (see Specific Condition No. B.8.) or shall test on-site according to Specific Condition Nos. B.9. - B.11., below.

*(*Permitting Note: The most recent test shall not be older than the previous federal fiscal year.)*

[Rule 62-4.070 (3) F.A.C.]

B.8. Off-Site Test Requirements - An off-site test may be accepted by the Department provided the required documentation listed in Specific Condition No. B.14., below can be provided with the test report required in Specific Condition No. B.15., below. In addition, the crushing system must have been tested while operating with the same or more emission points and pieces of equipment that will be operating while on-site. If an off-site visible emissions test is used to demonstrate compliance with Specific Condition No. B.5., the crusher shall not be operated at rates greater than 110% of the actual processing rate measured during that test.
[Rule 62-4.070 (3) F.A.C.]

B.9. On-Site Test Requirements – If adequate documentation as required by Specific Condition No. B.8. is not available, the permittee shall test Emission Point Nos. 2 through 10 (as applicable) for visible emissions as soon as possible but no later than 30 days of placing a crushing system into operation after the effective date of this document. Once tested, the crushing system may not operate in a configuration that has more pieces of equipment and/or emission points than were operating during the test unless a new compliance test is conducted with the greater number of pieces of equipment and/or emission points. In no case shall the pieces of equipment and/or emission points exceed those in Specific Condition No. B.4. If the crushing system remains on-site, it shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30) it is on-site. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this document.
[Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C.]

B.10. Visible Emission Testing Requirements - On-site visible emission testing shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this document and shall also comply with the following:

a. The minimum distance between the observer and the emission source shall be 15 feet.

b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with Specific Condition No. B.5., must be based on the average of the five 6-minute averages.

d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(1) No more than three emission points may be read concurrently.

(2) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(3) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

[Rules 62-297.310(4), and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

B.11. Test Methods - Required tests shall be performed in accordance with the following reference methods.

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

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.401, F.A.C.; 40 CFR 60 Appendix A-4]

MONITORING REQUIREMENTS

B.12. Monitoring Requirements - If any affected piece(s) of equipment of the RAP Crushing System (i.e. crusher, screen or conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.
[40 CFR 60, 60.674(b)]

NOTIFICATION REQUIREMENTS

B.13. On-Site Test Notification - The permittee shall notify the Compliance Authority in writing at least 30 days prior to any required on-site tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.; 40 CFR 60.8(d) (Subpart A)]

RECORDS AND REPORTS

B.14. On-Site Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirement specified in Appendix D (Common Testing Requirements) of this document. The test report must include the following:

a. owner name;

b. General or non-Title V Air Operation Permit number (e.g., 7771234-XXX-AX);

c. manufacturer's maximum rated capacity for any material *(i.e. the rated TPH capacity of the material with the highest processing rate)*;

d. date each affected piece of equipment of the crushing system commenced construction, modification or reconstruction;

e. type of material processed;

f. actual material handling rate during the test period (tons/hour);

g. configuration of the crushing system during the test to include specific pieces of equipment, emission points and/or a process flow diagram; and

h. a copy of the monthly log as required by Specific Condition No. B.16. for the month the test was conducted.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

B.15. Off-Site RAP Crushing System Test Reports - When demonstrating compliance with Specific Condition No. B.7. with an off-site visible emissions test, the permittee shall submit a copy of the most recent VE test report for each crushing system operated on site at the same time the test report for the drum mix asphalt plant (EU 001) is submitted *(see Specific Condition No. A.12.)*. The test reports must include the information specified in Specific Condition No. B.14. above.
[Rule 62-4.070(3), F.A.C.]

B.16. Operation Records - In order to document compliance with Specific Condition No. B.3., the permittee shall record the following while the crushing system is on-site:

Daily:

a. facility name, facility ID No., emission unit ID No., crushing system owner's name, Florida General or non-Title V Air Operation Permit No., and any other identification information so each crushing system can be clearly distinguished from another crushing system;

b. hours of operation;

c. total RAP throughput (tons);

d. daily average throughput rate based on b. and c. above (tons/hour);

Monthly:

e. facility name, facility ID No. and emission unit ID No.;

f. total RAP throughput (tons);

g. most recent consecutive 12-month rolling total RAP throughput (tons/consecutive 12-month period);

h. quantity of new No. 2 fuel oil burned; and

i. most recent consecutive 12-month rolling total of fuel oil consumed.

Daily records shall be completed within three business days and monthly records shall be completed by the end of the following month.

[Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

B.17. Monitoring Records - If any affected piece(s) of equipment of the RAP Crushing System was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. *(see also Specific Condition No. B.12.)*
[40 CFR 60, 60.674(b)]

B.18. General Recordkeeping Requirements - The permittee shall keep records for each RAP crushing system operated on site as follows:

a. owner name;

b. General or non-Title V Air Operation Permit number(s) (e.g., 7771234-xxx-AX) and permit effective date(s);

c. dates on site;

d. manufacturer's maximum rated capacity for any material *(i.e. the rated TPH capacity of the material with the highest processing rate)*;

e. operating configuration while on-site to include specific pieces of equipment, emission points and/or a process flow diagram; and

f. date of most recent visible emissions test and a copy of the test report.

[Rule 62-4.070(3), F.A.C.]