Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

FINAL PERMIT

PERMITTEE

Superior Asphalt, Inc.
4703 15th Street East
Bradenton, FL 34203

Air Permit No. 0810201-006-AC
Permit Expires: 09/30/2012
Minor Air Construction Permit
Modification of RAP Crushing System

Authorized Representative:
Mr. Craig Robson, President

This permit updates the description of the RAP Crushing System and the requirements of 40 CFR 60, Subpart OOO, removes the limitations on the hourly processing rate and hours of operations of the RAP Crushing System, and increases the annual maximum portable RAP Crushing System's processing rate from 46,500 to 144,000 tons/ 12 month period. The proposed work will be conducted at the Superior Asphalt, Inc. (Standard Industrial Classification No. 2951). The facility is located in Manatee County at 4703 15th Street East in Bradenton, Florida. The UTM coordinates are Zone 17, 348.7 km East, and 3037.5 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

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

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

_____ _____

Cindy Zhang-Torres, P.E. Effective Date
Air Permitting Manager
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 _____ to the persons listed below.

Craig Robson, Superior Asphalt, Inc., (crobson@superioraspphaltinc.net)
Mr. Lynn Robinson, P.E., Southern Environmental Sciences, Inc. (lrobinson@sesfla.com)

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.

_____

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The facility consists of a drum mix asphalt concrete plant, an electrically powered liquid asphalt heater, a portable reclaimed asphalt pavement (RAP) crushing system, two (2) diesel fired engines, a screening operation, and an off-site non-asbestos shingle processing plant. The off-site non-asbestos shingle processing plant is located at 5916 21st Street, Bradenton, Manatee County.

The existing facility consists of the following emissions units.

Facility ID No. 0810201	
ID No.	Emission Unit Description
001	Asphalt Concrete Plant
002	Portable Reclaimed Asphalt Pavement (RAP) Crushing System

Project Description and Affected Emission Unit

This permit updates the description of the RAP Crushing System and the requirements of 40 CFR 60, Subpart OOO, removes the limitations on the hourly processing rate and hours of operations of the RAP Crushing System, and increases the annual maximum portable RAP Crushing System's processing rate from 46,500 to 144,000 tons/ 12 month period. This project will modify the following emissions unit.

Facility ID No. 0810201	
ID No.	Emission Unit Description
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 electrically powered liquid asphalt heater. [Rule 62-4.040, F.A.C.]

Non-asbestos shingle processing facility located at 5916 21st Street East, Bradenton, Manatee County. The plant consists of a power screen powered by a 82 hp diesel engine, a shredder powered by another diesel engine, and associated conveyer belts. The equipment at the plant is not subject to the requirements of Title 40, Code of Federal Regulations (CFR), Part 60. Reference the Department's letter NOTICE OF PERMIT EXCEPTION DETERMINATION dated April 2, 2008. [Rules 62-210.300(3)(a)36. and 62-210.300(3)(b)1., F.A.C.]

A 450 HP diesel fired engine used to power a generator for Emission Unit No. 002 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System.
[Rule 62-210.300(3)(a)36., F.A.C.]

A power screen powered by a diesel engine from the non-abestos shingle processing facility and not associated with or a part of EU 002- Portable Reclaimed Asphalt Pavement (RAP) Crushing System may operate at the asphalt plant site provided that EU 002 is not in operation. This screening operation is capable of 50 tons/hour RAP throughput.

(Permitting Note: The collective annual amount of diesel fuel burned by all exempt engines shall not exceed 64,000 gallons)

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- 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 pollutant particulate matter less than 10 microns (PM_{10}), sulfur dioxide and total hazardous air pollutants (HAPs).
- The portable RAP crushing system may be 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, where applicable.
- If an engine brought on site with the Portable RAP Crushing System (EU 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 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). As of the effective date of this permit the Federal rule pertaining to existing engines has not been adopted by the State of Florida.

PERMIT HISTORY/AFFECTED PERMITS

Replaces Permit No. 0810201-005-AC

SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS (FINAL)

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

Florida Department of Environmental Protection
Southwest District Office
Air Resource Management Section
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 - All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District Office's Air Resource Management Section (see above mailing address and phone number).

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; and

d. Appendix D. - Common Testing Requirements.

e. Appendix E. - 40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

f. Appendix F. - 40 CFR 60, Subpart A - General Provisions

4. Applicable Regulations, Forms and Application Procedures - Unless otherwise specified in this document, 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 these permits 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. Rule Compliance **-** A facility or emissions unit subject to any standard or requirement of 40 CFR. Part 60, 61, 63 or 65, adopted and incorporated by reference at Rule 62-204.800, F.A.C., shall comply with such standard or requirement.
[Rule 62-296.100(3) F.A.C.]

8. 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.]

9. Unconfined Emissions of Particulate Matter - See Appendix C., Condition 9. Additional reasonable precautions may include:

a. paved parking and trafficked areas shall be maintained and kept free of particulate matter build-up.

b. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, storage piles, stockpiles, and during loading/unloading operations.

(*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.; Construction Permit 0810201-005-AC]

10. Fugitive Emissions Opacity Standard - In order to provide reasonable assurance that the precautions and practices taken at the plant are adequate, visible emissions of unconfined particulate matter at the plant's property line should not exceed 5% 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. 9. may be necessary.
[Rule 62-4.070(3), F.A.C.]

11. Startup/Shutdown/Malfunction Requirements: The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; or any malfunction of the air pollution control equipment. The records shall be recorded in a permanent form suitable for inspection and shall be retained for at least 2 years.
[40 CFR 60.7(b); Rule 62-204.800(8), F.A.C.; Construction Permit 0810201-005-AC]

12. 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. The sulfur dioxide emissions from using fuel oil when producing asphalt product shall be determined using the US EPA's document AP-42, Table 1.3-1 and a reduction of 50% of the fuel bound sulfur, up to a maximum (as SO_2) of 0.1 lb of sulfur dioxide for each ton of asphalt product produced. *(Note: one pound of sulfur produces two pounds of SO_2.)*
[Rule 62-210.370(3), F.A.C.]

13. Application for Non-Title V Air Operation Permit : This permit authorizes the modification of the permitted emissions unit. A non-Title V air operation permit is required for continued operation of this facility. The permittee shall apply for a non-Title V air operation permit at least 90 days prior to the expiration date of this permit. 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 most recent emissions test reports required in Specific Condition A.15., B.14. or B.15. ; and

d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.16., B.16., B.17. (if applicable), and B.18.

The application shall be submitted to the Permitting Authority.

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

A. EU No. EU 001 Asphalt Concrete Plant

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	The Speco drum mix asphalt concrete plant is allowed to produce a maximum of 175 tons/ hr., based on a daily average, and 546,000 tons of asphalt concrete per any consecutive 12-month period. The material to the asphalt concrete plant may consist up to 61.25 tons/hr. of recycle asphalt pavement (RAP) and up to 15% (26.25 tons/hour maximum, based on the maximum allowable production rate of 175 tons/hr. of asphalt concrete) of non-asbestos shingle material, each based on a daily average. The shingle material is received by truck only from Superior Asphalt, Inc.'s exempt non-asbestos shingle processing plant located at 5916 21st Street East, Bradenton, Manatee County. The plant's dryer is fired with natural gas, new No. 2 fuel oil, or on-specification reclaimed oil at a maximum heat input rate of 80.0 MMBTU/hr. The fuel oil is limited to a maximum sulfur content of 0.5% by weight. Emissions from asphalt plant pass through a dry cyclone then to a Speco, Inc., Model TSAP BH-49420 baghouse before venting to the atmosphere. This plant is electrically powered. Associated with the asphalt concrete plant is an exempt electrically powered liquid asphalt heater.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements: This emission unit is subject to the requirements of 40 CFR 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities and the general provisions of 40 CFR 60, Subpart A, where applicable, which are adopted by reference in Rule 62-204.800(8), 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:

a.

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/ any consecutive 12-month period)
175	546,000	3,120*

(*The exempt electric liquid asphalt heater does not have restricted operating hours.)

b. The material to the asphalt concrete plant shall not consist of more than 61.25 tons/hr of recycled asphalt pavement (RAP) or more than 15% [26.25 tons/hr maximum, based on the maximum allowable production rate of 175 tons/hr of asphalt concrete] of non-asbestos shingle material, each based on a daily average.

[Rules 62-210.200 (PTE) and 62-210.300(3)(c)2., F.A.C.; Construction Permit 0810201-005-AC]

A.3. Authorized Fuel: 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. New No. 2 Virgin fuel oil; and

c. On-specification reclaimed fuel oil.

[Rule 62-210.200 (PTE), F.A.C.; Construction Permit 0810201-005-AC]

A.4. Fuel Usage Limitation: The total fuel usage shall not exceed 1.794 million gallons per any consecutive 12-month period.
[Rule 62-210.200 (PTE), F.A.C.; Construction Permit 0810201-005-AC]

A.5. Fuel Oil Sulfur Content Limitation - The sulfur content for all fuel oils shall not exceed 0.5% by weight.
[Rule 62-4.070(3) F.A.C.]

A.6. Reclaimed Fuel Oil Specifications – The permittee shall not burn off-specification reclaimed fuel oil:

Constituent/Property	Allowable Level
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash Point	100 degrees F minimum
PCB's	Shall be less than 2 ppm

[Rule 62-710.210, F.A.C.]

EMISSIONS STANDARDS

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

A.8. Particulate Matter (PM) Limitation - Particulate emissions, associated with the asphalt concrete plant, shall not exceed 0.04 grains per dry standard cubic foot averaged over a three (3) hour period.

(Permitting Note: Based on a design airflow rate of 22,282 dscfm, the equivalent PM emissions are 13.7 lbs./hour and 21.4 tons/year)

[40 CFR 60 Subpart I, 60.92(a)(1) and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]

TESTING REQUIREMENTS

A.9. Visible Emission (VE) Testing - In order to document compliance with Specific Condition No. A.4., the permittee shall test for visible emissions from the asphalt concrete plant dryer's baghouse annually during each federal fiscal year (October 1 – September 30).

[Rules 62-297.310(7)(a), F.A.C. and 62-297.310(8)(b), F.A.C, Construction Permit 0810201-005-AC]

A.10. Particulate Matter (PM) Testing - In order to document compliance with Specific Condition No. A.5., the permittee shall test for particulate matter emissions from the baghouse of the asphalt concrete plant annually during each federal fiscal year (October 1 – September 30).
[Rules 62-297.310(7)(a), F.A.C. and 62-297.310(8)(b), F.A.C, Construction Permit 0810201-005-AC]

A.11. Test Requirements: 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.12. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	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 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 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

A.13. Additional Testing Requirements: The plant shall comply with all of the following:

a. 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 (new No. 2 or on-specification reclaimed 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 on-specification reclaimed fuel oil then the additional testing shall be done while firing on-specification reclaimed fuel oil. Otherwise, the additional testing may be done while firing new No. 2 fuel oil.

b. A compliance test submitted when the dryer is fired with a new No. 2 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with new No. 2 fuel oil or natural gas and up to 400 hours of firing on-specification reclaimed fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with on-specification reclaimed fuel oil, new compliance tests shall be conducted with the dryer being fired with 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 fired with on-specification reclaimed fuel oil, new No. 2 fuel oil, or natural gas.

d. Testing shall be conducted when only virgin material (no RAP and/or non-asbestos shingles) is supplied to the asphalt concrete plant.
[Rules 62-4.070(3) and 62-297.310, F.A.C.; Construction Permit 0810201-005-AC]

NOTIFICATION REQUIREMENTS

A.14. Test Notification: The permittee shall notify the Compliance Authority in writing at least 15 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.]

RECORDS AND REPORTS

A.15. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. All compliance test results shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing.

The following shall be submitted with any compliance test report:

a. Actual production rate of asphalt concrete plant in tons/hr. Be sure to include a statement indicating that only virgin materials were used.

b. Type of fuel used.

c. Fuel oil analysis of the sulfur content of the fuel oil used, if applicable.

d. Most recent used fuel oil analysis to document compliance with the on-specification used oil limits, if on-specification reclaimed fuel oil was used to fire the dryer.

e A copy of the records for the month the test was conducted as required by Specific Condition No. A.16.

[Rule 62-297.310(8), F.A.C.; Construction Permit 0810201-005-AC]

A.16. Operating Records: The permittee shall comply with the following recordkeeping requirements:

Daily Record

a. Facility Name, Facility ID No. (0810201), Emission Unit ID No. (001)

b. Date: Month/Day/Year

c. Total asphalt concrete production, in tons.

d. Total asphalt concrete production, in tons, when only non-asbestos shingle material is used.

e. Total RAP material input, in tons.

f. Total non-asbestos shingle material input, in tons.

g. Hours of operation while producing asphalt concrete.

h. Hours of inputting RAP material.

i. Hours of inputting non-asbestos shingle material.

j. The daily average production rate of asphalt concrete, in tons/hr.

k. The daily average RAP material input rate, in tons/hr., during the hours RAP material was used.

l. The daily average non-asbestos shingle material input rate, in tons/hr., during the hours non-asbestos shingle material was used.

m. The daily average percentage (%) of non-asbestos shingle in the production of asphalt concrete during the hours non-asbestos shingle material was used.

n. The pressure drop across the baghouse.

Monthly Record

o. Facility Name, Facility ID No. (0810201), Emission Unit ID No. (001)

p. Date: Month/Year

q. Amount of asphalt concrete produced, in tons

r. Amount of asphalt concrete produced for the most recent consecutive 12-month period.

s. Hours of producing asphalt concrete.

t. Hours of producing asphalt concrete for the most recent consecutive 12-month period.

u. The amount of each type of fuel (e.g., natural gas, new No. 2 fuel oil, or on-specification reclaimed fuel oil) used.

v. The amount of each type of fuel used for the most recent consecutive 12-month period.

w. The total amount of fuel oil used for the most recent consecutive 12-month period, in gallons.

[Rule 62-4.070(3), F.A.C.; Construction Permit 0810201-005-AC]

A.17. Additional Fuel Oil Usage Recordkeeping - In order to determine compliance with Specific Condition No. A.13. the following records shall be kept:

a. If the last compliance test was conducted while the dryer was fired with natural gas, the permittee shall keep a daily record of dryer operating hours while firing on-specification reclaimed fuel oil and/or new No. 2 fuel oil, along with a cumulative total of on-specification reclaimed fuel oil and/or new No. 2 fuel oil dryer operating hours since the last dryer compliance test*.

*(*Permitting Note: When the operating hours of using on-specification reclaimed fuel oil and/or new No. 2 fuel oil in the dryer since the last compliance test exceed 400 hours, additional compliance testing is required. [see Specific Condition No. A.13])*

b. If the last compliance test was conducted while the dryer was fired with new no. 2 fuel oil, the permittee shall keep a daily record of dryer operating hours while firing on-specification reclaimed fuel oil along with a cumulative total of operating hours using on specification reclaimed fuel oil since the last dryer compliance test*.

*(*Permitting Note: When the operating hours of using on-specification reclaimed fuel oil in the dryer since the last compliance test exceeds 400 hours, then additional compliance testing is required [see Specific Condition No. A.13])*

c. For each delivery of on-specification reclaimed fuel oil, the vendor shall provide an analysis documenting the on-specification fuel oil meets the requirements of Specific Condition A.6.

d. In order to document continuing compliance with the sulfur content limitation in Specific Condition No. A.5., in % 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 62-710, F.A.C.; Construction Permit 0810201-005-AC]

A.18. 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 three (3) year period.

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

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

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	The facility will rent a reclaimed asphalt pavement (RAP) crushing system that may be owned and operated by different entities and/or hire an outside contractor to come in and perform the crushing operations as needed to crush RAP. However, the Department considers Superior Asphalt responsible for all operations and emissions occurring at this facility. The recycled asphalt paving (RAP) crushing operation consists of a feed hopper/crusher, which may have an internal screen, and associated conveyor belts as further described below (see Specific Condition No. B.4.). The feed hopper/crusher has a maximum material handling rate of 144,000 tons/yr. The RAP processing system's generator is powered with an exempt diesel fired engine rated at a maximum of 450 HP.

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 E.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix F.), where applicable, then only Specific Conditions 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 E.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix F.), 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 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 uncrushed RAP at this facility (tons/any consecutive 12-month period)
002	RAP Crushing System*	144,000

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

[Rule 62-210.200 ("Potential to Emit"), F.A.C.; as requested by permittee in construction permit application dated 10/06/2011]

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.

Emission Point No.	Brief Description
1	Front End Load and/or Oversize Conveyor Belt No. 4 Return to Feeder Hopper
2	Feed Hopper to Crusher
3	Crusher (may have internal screen)
4	Transfer from Crusher to Screen or to Oversize Conveyor No. 3
5	Screen
6	Screen to Oversize Conveyor Belt No. 3
7	Oversize Conveyor Belt No. 3 to Oversize Conveyor Belt No. 4
8	Crusher to On-size Conveyor Belt No. 1
9	Screen to On-size Conveyor Belt No. 1
10	On-size Conveyor Belt No. 1 to Stacker Conveyor Belt No. 2
11	Stacker Conveyor Belt No. 2 to Storage Pile(s)

(Permitting Note: The facility has the option to operate the RAP Crushing System with an internal screen at the crusher, or with an external screen. An internal screen and external screen will not be used simultaneously.)
[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	Front End Load and/or Oversize Conveyor Belt No. 4 Return to Feeder Hopper	<20*	<20*
2	Feed Hopper to Crusher	15**	12**
3	Crusher (may have internal screen)	15**	12**
4	Transfer from Crusher to Screen or to Oversize Conveyor No. 3	15**	12**
5	Screen	10**	7**
6	Screen to Oversize Conveyor Belt No. 3	10**	7**
7	Oversize Conveyor Belt No. 3 to Oversize Conveyor Belt No. 4	10**	7**
8	Crusher to On-size Conveyer Belt No. 1	10**	7**
9	Screen to On-size Conveyer Belt No. 1	10**	7**
10	On-size Conveyor Belt No. 1 to Stacker	10**	7**

Emission Point No.	Brief Description	Max. VE Limit (%Opacity)[1]	Max. VE Limit (% Opacity)[2]
	Conveyor Belt No. 2		
11	Stacker Conveyor Belt No. 2 to Storage Pile(s)	<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 4/22/2008.

[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 8 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. Emission Point Nos. 2 & 3 and 4 & 5 are at the same location and require only one VE test.
[Rules 62-210.200 ("Potential to Emit") and 62-296.320(4)(b), 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, screen, and the conveyor drop points.
[Rule 62-296.320(4)(c), 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 B.8.) or shall test on-site according to Specific Conditions 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 B.14., below can be provided with the test report required in Specific Condition B.15., below. In addition, the crushing system must have been tested while operating with the same or more emission points and 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 7 (as applicable) for visible emissions as soon as possible but no later than 30 days of placing the crushing system

into operation after the effective date of this permit. 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. In addition, the daily average crushing rate is limited to 110% of the rate at which the most recent compliance test was conducted until a new test is conducted as required by Section 5, Appendix D, No. 1. If the crusher remains on-site, the crushing system shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30) the crushing system is on-site. [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 permit 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 B.5., must be based on the average of the five 6-minute averages.

d. The test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. The minimum requirements for stationary point source emissions test procedures and reporting shall be in accordance with Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A.

e. 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), 62-204.800(8) and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

B.11. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

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 15 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.]

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 permit. 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 B.5. 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 A.15.)*. The test reports must include the information specified in B.14.a.-g. above.
[Rule 62-4.070(3), F.A.C.]

B.16. Operation Records: 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., date 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., date(month/year), 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 fuel oil burned; and

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

Daily records shall be completed within 5 business days and monthly records shall be completed by the end of the following month.
[Rule 62-4.070(3) 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 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.

[Rules 62-4.070(3)]

B.19. 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 three (3) year period.
[Rule 62-4.070(3), F.A.C.]