Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Hershel T. Vineyard Jr.
Secretary

DRAFT PERMIT

PERMITTEE

Rainey Asphalt, LLC
4477 East CR 462
Wildwood, FL 34785

Authorized Representative:
Mr. Ike Rainey, Manager

Air Permit No. 1190050-003-AC
Permit Expires: 7/31/2013
Site Name : Wildwood Plant # 1
Minor Air Operation Permit
Project Name: Add RAP Crushing System

This is the final air construction permit, which authorizes the addition of a portable reclaimed asphalt pavement (RAP) crushing system at an existing drum mix asphalt plant. The proposed will be conducted at the Rainey Asphalt, LLC's Wildwood Plant #1 (Standard Industrial Classification No. 2951). The facility is located in Sumter County at 4477 East CR 462 in Wildwood, Florida. The UTM coordinates are Zone 17, 399.56 km East, and3195.43 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-Wide Common Conditions

Section 4. Emissions Unit Specific Conditions

Section 5. 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, 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.

Ike Rainey, Rainey Asphalt, LLC (irainey@raineyconstruction.com)
Sara Greivell, Grove Scientific & Engineering Company (sara@grovescientific.com)
James T. Show, Grove Scientific & Engineering Company (jshow@cfl.rr.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 operates a stationary drum mix asphalt concrete plant manufactured by Gencor Industries. The asphalt concrete plant is subject to Rule 62-210.300(3)(c)2., F.A.C. and the requirements of 40 CFR Part 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities.

The existing facility consists of the following emission unit.

Facility ID No. 1190050	
ID No.	Emission Unit Description
001	Drum Mix Asphalt Concrete Plant

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

Project Description and Proposed Emission Unit

This project is for the addition of a portable reclaimed asphalt pavement (RAP) crushing system. The portable RAP crushing system may be owned by a different company and will be brought on-site from time to time to crush the RAP into a smaller size that can be used in the manufacture of new hot mix asphalt concrete. The RAP crushing system will have a maximum throughput limit of 400,000 tons per any consecutive 12-month period. The crusher and associated equipment are powered by an exempt diesel fired engine that will use no more than 32,000 gallons of diesel fuel per year.

This project will add the following emission unit.

Facility ID No. 1190050	
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

Hot oil heater exempt per Rule 62-210.300 (3)(a)33., F.A.C.

A 309 HP (maximum) diesel engine powers the RAP crushing system. The maximum fuel usage is 32,000 gallons of diesel fuel in a year for the diesel engine. The diesel engine is exempt per Rule 62-210.300(3)(a)36., F.A.C.

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 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 particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM_{10}), sulfur dioxide (SO_2), carbon monoxide (CO) and hazardous air pollutants (HAPs).
- The drum mix asphalt concrete 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.
- This facility is regulated under Rule 62-210.300(3)(c)2., F.A.C., Conditional Exemptions from Title V Permitting.
- 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

Modifies and replaces Construction Permit 11190050-001-AC.

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
   g. Appendix G. - 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. 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. 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.)*
[Rules 62-4.070(3) and 62-210.370(3), F.A.C.]

9. Application for Non-Title V Air Operation Permit : This permit authorizes construction or modification 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 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, but no later than 180 days after the first RAP crushing system commences operation. 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 emissions test report required in Specific Condition B.15. or B.16. (for the first RAP crushing system at this site); and

   d. copies of the most recent two months of records/logs specified in Specific Condition No(s). B.17., B.18. (if applicable), and B.19.

   The application shall be submitted to the Permitting Authority.

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

1. Fuel Type Limitations: The facility is allowed to use the following types of fuel as ranked from the best fuel (top) to the worst fuel (bottom) for particulate matter and visible emissions testing purposes:

   a. natural gas;
   b. new No. 2 fuel oil;
   c. on-specification reclaimed fuel oil;
   d. new No. 3 fuel oil;
   e. new No. 4 fuel oil;
   f. new No. 5 fuel oil; and
   g. new No. 6 fuel oil

   [Rule 62-210.200(PTE), F.A.C., Construction Permit 1190050-001-AC]

2. Fuel Usage Limitation: The facility, including the exempt hot oil heater, shall not consume (burn) more than 1.2 million gallons of fuel oil per any consecutive 12-month period.
   [Rule 62-210.300(3)(c)2.b., F.A.C.; Construction Permit 1190050-001-AC]

3. Fuel Usage Recordkeeping Requirements: The permittee shall monthly record the following:

   a. Facility Name, Facility ID No. (1190050)
   b. Date: Month/Year
   c. For the exempt hot oil heater: the amount of each type of fuel oil (e.g., new No. 2 fuel oil, on-specification reclaimed fuel oil, etc.) consumed in gallons.
   d. For the asphalt concrete plant: the amount of each type of fuel (e.g., natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, etc.) consumed in cubic feet or gallons, as appropriate.
   e. For the asphalt concrete plant: the total amount of each type of fuel (e.g., natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, etc.) consumed for the most recent consecutive 12-month period in cubic feet or gallons, as appropriate.
   f. For the asphalt concrete plant: the total combined amount of all types of fuel oil consumed for the most recent consecutive 12-month period in gallons.
   g. For fuel oil, the total combined amount consumed for both the hot oil heater and asphalt concrete plant in gallons.
   h. For fuel oil, the total combined amount consumed for both the hot oil heater and asphalt concrete plant for the most recent consecutive 12-month period in gallons.

   [Rule 62-4.070(3), F.A.C.; Construction Permit 1190050-001-AC]

4. Fuel Oil Sulfur Content Limitation: The sulfur content for all fuel oils, including fuel oils consumed (burned) in the exempt hot oil heater, shall not exceed 1.0% by weight.
   [Rule 62-210.300(3)(c)2.c., F.A.C.]

5. Fuel Sulfur Content Record: In order to document continuing compliance with the fuel oil sulfur content limitation, 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.
[Rule 62-4.070(3), F.A.C.; Construction Permit 119050-001-AC]

6. Reclaimed Fuel Oil Specifications and Requirements: The facility 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 (July 1, 2004):

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.; Construction Permit 1190050-001-AC]

7. 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.]

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

   a. Paved parking and traffic 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, stockpiles, and during loading/unloading operations.

   [Rule 62-296.320(4)(c), F.A.C.]

9. Unconfined Particulate Matter Opacity Requirement: 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 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 may be necessary.
   [Rule 62-4.070(3), F.A.C., Construction Permit No. 1190050-001-AC]

10. 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 Concrete Plant

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	This emission unit consists of a stationary drum mix asphalt concrete plant manufactured by Gencor Industries (Gencor 300 Ultraplant). The plant is allowed to produce a maximum of 300 tons/ hr., based on a daily average, and 475,000 tons per any consecutive 12-month period of asphalt concrete. The raw materials to the asphalt concrete plant may consist of recycle asphalt pavement (RAP). The plant's dryer is fired with natural gas, new No. 2 through No. 6 fuel oil, or on-specification reclaimed fuel oil at a maximum design heat input rate of 68.2 MMBTU/hr. (based on 487 gallons/hour and 140,000 BTUs/gallon) The fuel oil is limited to a maximum sulfur content of 1.0% by weight. Particulate matter emissions from the asphalt concrete plant are controlled by a Gencor Ultraflow baghouse with a design airflow rate of 42,871 acfm and 25,197 dscfm. Associated with the asphalt concrete plant is an exempt (see Section 1 above) hot oil heater, which is used to heat liquid asphalt. The asphalt concrete plant is subject to Rule 62-210.300(3)(c)2., F.A.C. and the requirements of 40 CFR 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities, which is adopted by reference in Rule 62-204.800(8), F.A.C. The asphalt concrete plant is electrically powered, drawn from the overhead mains (not powered by a diesel generator).

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:

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)
300	475,000	8,760

[Rules 62-210.200 ("Potential to Emit") and 62-210.300(3)(c)2., F.A.C.; Construction Permit 1190050-001-AC]

EMISSIONS STANDARDS

A.3. Visible Emission (VE) Limit: Visible emissions from the asphalt concrete plant's baghouse 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.4. Particulate Matter (PM) Limitation: Particulate emissions from the asphalt concrete plant's baghouse 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 25,197 dscfm and 8,760 hours/year of operation, the equivalent PM emissions are 8.64 lbs./hour and 37.84 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.5. Compliance Tests: During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for particulate matter and visible emissions.
[Rule 62-210.300(3)(c)2.i., F.A.C.]

A.6. Additional Emissions Testing Requirements: The facility shall comply with the following:

a. A compliance test submitted when the dryer is fired with a natural gas will allow the dryer to be only fired with natural gas and up to a total of 400 hours on new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, a new compliance test shall be conducted when the dryer is fired with the worst fuel oil that was used during the 400-hour period.

b. A compliance test submitted when the dryer is fired with new No. 2 fuel oil will allow the dryer to be only fired with natural gas, new No. 2 fuel oil, and up to 400 hours of firing on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with on-specification reclaimed fuel oil, new No. 3 fuel oil, No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, a new compliance test shall be conducted with the dryer being fired with the worst fuel oil that was used during the 400-hour period.

c. A compliance test submitted when the dryer is fired with on-specification reclaimed fuel oil will allow the dryer to be fired with natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, and up to 400 hours of firing new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, a new compliance test shall be conducted with the dryer being fired the worst fuel oil that was used during the 400-hour period.

d. A compliance test submitted when the dryer is fired with new No. 3 fuel oil will allow the dryer to be only fired with natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 3 fuel oil, and up to 400 hours of firing new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, a new compliance test shall be conducted with the dryer being fired with the worst fuel oil that was used during the 400-hour period.

e. A compliance test submitted when the dryer is fired with new No. 4 fuel oil will allow the dryer to be only fired with natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, and up to 400 hours of firing new No. 5 fuel oil or new No. 6 fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with new No. 5 fuel oil or new No. 6 fuel oil, a new compliance test shall be conducted with the dryer being fired with the worst fuel oil that was used during the 400-hour period.

f. A compliance test submitted when the dryer is fired with new No. 5 fuel oil will allow the dryer to be only fired with natural gas, new No. 2, on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, and up to 400 hours of firing new No. 6 fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with new No. 6 fuel oil, a new compliance test shall be conducted with the dryer being fired with new No. 6 fuel oil.

g. A compliance test submitted when the dryer is fired with new No. 6 fuel oil will allow the dryer to be fired with natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil.

h. A compliance test submitted when processing RAP shall limit the plant to processing only RAP. If the plant is so limited, within thirty (30) days upon processing virgin materials (conventional hot mix asphalt), a new compliance test shall be conducted using only virgin materials.

i. A compliance test submitted when processing only virgin materials shall also allow the plant to process RAP.

[Rules 62-4.070(3) and 62-297.310(7), F.A.C.; Construction Permit 1190050-001-AC]

A.7. 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.8. 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 62-210.300(3)(c)2.i., 62-204.800, and 62-297.401, F.A.C.; Appendix A of 40 CFR 60]

RECORDS AND REPORTS

A.9. 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 test reports shall be submitted within 45 days of testing. Include the following for the test period in the test report submittal*:

a. facility name, facility ID, and Emission Unit number;

b. date;

c. production rate of hot mix asphalt concrete in tons/hour and whether RAP is used in the mix or not;

d. type and amount (cubic feet, gallons) of fuel burned;

e. fuel oil analysis of the sulfur content of the fuel oil used (if applicable);

f. on-specification reclaimed fuel oil analysis to document compliance with the on-specification reclaimed fuel oil limits (if applicable); and

g. a copy of the daily records for the day the test was conducted and the monthly records for the month the test was conducted as required by Specific Condition No. A.11.

* *Failure to submit this information may invalidate the test.*
[Rules 62-4.070(3) and 62-297.310(8), F.A.C.; 40 CFR 60.8(a); Construction Permit 1190050-001-AC]

A.10. Operation Records: In order to document continuing compliance with Specific Condition No. A.2., the following records shall be kept:

Daily**:**

a. facility name, facility ID No., emission unit ID No., and description (i.e., Rainey Asphalt, LLC, 1190050, EU No. 001, drum mix asphalt plant);

b. date;

c. total virgin asphalt concrete production (tons);

d. total asphalt concrete containing RAP production (tons);

e. total of both types (c. and d. above) of asphalt concrete production combined (tons);

f. total hours of operation while producing asphalt concrete (including RAP);

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

Monthly**:**

h. facility name, facility ID No., emission unit ID No., and description (i.e., Rainey Asphalt, LLC, 1190050, EU No. 001, drum mix asphalt plant);

i. date (month/year);

j. total tons of both types of asphalt concrete produced for the month (tons);

k. most recent consecutive 12-month period total of asphalt concrete produced based on j. above ;

l. total hours of operation for the month (hours/month); and

m. most recent consecutive 12-month period total of hours of operation;

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month.

[Rule 62-4.070(3) F.A.C.; Construction Permit 1190050-001-AC]

A.11. Additional Fuel Oil Usage Recordkeeping: In order to determine compliance with Specific Condition No. A.6. the following records shall be kept:

a. If the last dryer compliance test was conducted while the dryer was fired with natural gas, the permittee shall keep a daily record of dryer's operating hours while firing new No. 2, on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, along with a cumulative total of fuel oil operating hours since the last dryer compliance test. {Note: When the operating hours of using fuel oil in the dryer since the last compliance test exceeds 400 hours, then additional compliance testing is required (see Specific Condition No. A.6.a.).}

b. If the last dryer compliance test was conducted while the dryer was fired with new No. 2 fuel oil, the permittee shall keep a daily record of dryer's operating hours while firing on-specification reclaimed fuel oil, new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, along with a cumulative total of these fuel oil operating hours since the last dryer compliance test. {Note: When the operating hours of using these fuel oils in the dryer since the last compliance test exceed 400 hours, then additional compliance testing is required (see Specific Condition No. A.6.b.).}

c. If the last dryer compliance test was conducted while the dryer was fired with on-specification reclaimed fuel oil, the permittee shall keep a daily record of dryer's operating hours while firing new No. 3 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, along with a cumulative total of these fuel oil operating hours since the last dryer compliance test. {Note: When the operating hours of using these fuel oils in the dryer since the last compliance test exceed 400 hours, then additional compliance testing is required (see Specific Condition No. A.6.c.).}

d. If the last dryer compliance test was conducted while the dryer was fired with new No. 3 fuel oil, the permittee shall keep a daily record of dryer's operating hours while firing new No. 4 fuel oil, new No. 5 fuel oil, or new No. 6 fuel oil, along with a cumulative total of these fuel oil operating hours since the last dryer compliance test. {Note: When the operating hours of using these fuel oils in the dryer since the last compliance test exceed 400 hours, then additional compliance testing is required (see Specific Condition No. A.6.d.).}

e. If the last dryer compliance test was conducted while the dryer was fired with new No. 4 fuel oil, the permittee shall keep a daily record of dryer's operating hours while firing new No. 5 fuel oil or new No. 6 fuel oil, along with a cumulative total of these fuel oil operating hours since the last dryer compliance test. {Note: When the operating hours of using these fuel oils in the dryer since the last compliance test exceed 400 hours, then additional compliance testing is required (see Specific Condition No. A.6.e.).}

f. If the last dryer compliance test was conducted while the dryer was fired with new No. 5 fuel oil, the permittee shall keep a daily record of dryer's operating hours while firing on-new No. 6 fuel oil, along with a cumulative total of this fuel oil operating hours since the last dryer compliance test. {Note: When the operating hours of using new No. 6 fuel oil in the dryer since the last compliance test exceeds 400 hours, then additional compliance testing is required (see Specific Condition No. A.6.f.).}

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190050-001-AC]

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 Rainey Asphalt responsible for all operations and emissions occurring at this facility. The crusher will be a Terex Pegson 4242sr Trakpaktor or similar unit. This unit is mobile, closed-loop impact crusher equipped with spray bars for dust suppression. There will be a maximum of two belts associated with the crusher. The re-locatable RAP crushing system crushes a maximum of 400,000 tons of material in any consecutive 12-month period. There is no control equipment associated with the crushing system, the emissions are fugitive only. The crushing system utilizes an exempt diesel fired engine.

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*	400,000

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

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

[Rules 62-210.200 ("Potential to Emit") and 62-297.310(2), F.A.C.; as requested by permittee in construction permit application dated 03/23/2011]

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. (See Appendix G for a flow diagram of the RAP Crushing System).

Emission Point No.	Brief Description
1	Front End Loader to Feeder Hopper
2	Feed Hopper to Crusher
3	Crusher
4	Crusher Discharge to Conveyer Belt
5	Conveyer Belt Discharge to Screen
6	Screen
7	Screen to Oversize Conveyer Belt
8	Oversize Conveyer Belt to Feed Hopper
9	Screen to Finished Product Conveyer Belt
10	Finished Product Conveyer Belt Transfer to Stacker Belt
11	Discharge Stacker Belt 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	Front End Loader to Feeder Hopper	<20*	<20*
2	Feed Hopper to Crusher	15**	12**
3	Crusher	15**	12**
4	Crusher Discharge to Conveyer Belt	15**	12**
5	Conveyer Belt Discharge to Screen	10**	7**
6	Screen	10**	7**
7	Screen to Oversize Conveyer Belt	10**	7**
8	Oversize Conveyer Belt to Feed Hopper	10**	7**
9	Screen to Finished Product Conveyer Belt	10**	7**
10	Finished Product Conveyer Belt Transfer to Stacker Belt	10**	7**
11	Discharge Stacker Belt 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 4/22/2008.

[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 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. Emission Point Nos. 2 & 3 and 5 & 6 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 10 (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. 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 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. Notification of Operation Commencement: The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the first RAP crushing system to be operated on site, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C., and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

B.14. 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.15. 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.16. 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.9.)*. The test reports must include the information specified in B.14.a.-g. above.
[Rule 62-4.070(3), F.A.C.]

B.17. 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 No. 2 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.18. 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.19. 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)]