November 19, 2014

NOTICE OF PERMIT ISSUANCE

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PERMITTEE:

Preferred Materials, Inc.
4636 Scarborough Drive
Lutz, FL 33559

Air Permit No. 1150135-011-AF
County: Sarasota
Permit Expires: 11/19/2019

Authorized Representative:
Mark S. Marine, Executive Vice President

Preferred Materials, Inc. – University Drum Mix Asphalt Plant
Federally Enforceable Air Operation Permit (FESOP)

Dear Mr. Marine:

This is the final FESOP, which authorizes the operation of Preferred Materials, Inc. – University Drum Mix Asphalt Plant, which is a Hot Mix Asphalt Plant (Standard Industrial Classification No. 2951). The facility is located in Sarasota County at 5600 Quarry Drive in Sarasota, Florida. The UTM coordinates are Zone 17, 362.74 km East, and 3029.06 km North.

This final permit is organized by the following sections:

Section 1. General Information
Section 2. Administrative Requirements
Section 3. Facility Wide 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 5 of this permit.

This air pollution operation 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 operate the facility in accordance with the conditions of this permit.

A person whose substantial interests are affected by the permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions must be filed within 14 days of receipt of this final permit. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice. The petition must contain the information set forth below and must be filed (received) in the Office of the County Attorney, 1660 Ringling Boulevard, Sarasota, Florida 34236. Under Rule 62-110.106(4), F.A.C., a person may request an extension of the time for filing a petition for an

administrative hearing. The request must be filed (received) in the Office of the County Attorney before the end of the time period for filing a petition for an administrative hearing. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which Sarasota County's Environmental Protection Division (SCEPD) action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
(c) A statement of when and how the petitioner received notice of SCEPD's decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of SCEPD's proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of SCEPD's proposed action; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the SCEPD to take with respect to SCEPD's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that SCEPD's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the SCEPD have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding. This permit action is final and effective on the date filed with the Clerk of the Office of the County Attorney unless a petition (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), this permit will not be effective until further order of the SCEPD.

Any party to this Order (air permit) has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Office of the County Attorney, 1660 Ringling Boulevard, Sarasota, Florida 34236; 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 of Appeal must be filed within thirty (30) days from the date this Order is filed with the Clerk of the Office of the County Attorney.

Executed in Sarasota, Florida.

SARASOTA COUNTY ENVIRONMENTAL PROTECTION DIVISION
AIR & WATER QUALITY

Kimberly Pastewski	John T. Hickey, P.E.
Environmental Specialist III	*Manager*
Environmental Protection Division	Environmental Protection Division
Air & Water Quality	Air & Water Quality

Enclosure

S14PC.007

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this Notice of Final Air Permit package was mailed by certified mail before the close of business on ***November__, 2014*** to:

Mark S. Marine, Executive Vice President, Preferred Materials, Inc., Preferred Materials, Inc. 4636 Scarborough Drive, Lutz, FL 33559; mark.marine@preferredmaterials.com

The undersigned duly designated deputy clerk hereby certifies that this Notice of Final Air Permit package 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 ***November __, 2014*** to the persons listed below:

ec: Roger T. Caldwell, Bottorf Associates, roger@bottorf.com

Alan Zahm, Bottorf Associates, alanzahm@embarqmail.com

Carter Endsley, P.E. II, Air Permitting Manager, Florida SCEPD of Environmental Protection, Carter.Endsley@dep.state.fl.us

Kathleen Forney, EPA Region 4, forney.kathleen@epamail.epa.gov

Ana Oquendo, EPA Region 4, oquendo.ana@epamail.epa.gov

David M. Pearce, *Attorney*, Sarasota County Office of the County Attorney; dpearce@scgov.net

Melissa L. Wagar, Sarasota County Office of the County Attorney; mwagar@scgov.net

Clerk Stamp

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), F.S., with the designated EPD Clerk, receipt of which is hereby acknowledged.

_____ ***November __, 2014***
Clerk Date

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The facility consists of a relocatable 250 ton/hour Nonmetallic Mineral Processing Plant (NMPP) to crush Recycle Asphalt Pavement (RAP) at a synthetic non-Title V Astec double barrel drum mix asphalt plant with in-line RAP lump breaker. The NMPP consists of a crusher, screening operations and conveyors, a 335 horsepower (hp) diesel reciprocating industrial internal combustion engine (ICE), and a 100 kilowatt (kw) power generator. The RAP crushing system may be owned by a different company and brought on-site from time to time to crush the RAP into a smaller size.

The Astec double barrel drum mix asphalt plant is called the "University Drum Mix Asphalt Plant". This plant produces a maximum of 275 tons/hour of Hot Mix Asphalt (HMA) concrete. The rotary dryer will be fired with either on-specification used fuel oil having a maximum sulfur content of 1.0% by weight; virgin No. 5/6 fuel oil having a maximum sulfur content of 1.0% by weight; virgin No. 2 fuel oil having a maximum sulfur content of 0.5% by weight; bio fuel oil (Parsons BFO-1) having a maximum sulfur content of 0.5% by weight; or natural gas. A Flametec Phoenix PH-100-OG oil burner with a 110-mmBtu/hour capacity will be utilized. Particulate emissions are controlled by a primary collector and an Astec Model RBH-68-16 baghouse with total cloth area of 12,390 square feet, an air-to-cloth ratio of 5.5:1, collection efficiency of 99.95%, and rated volumetric air flow of 68,195 acfm. The plant continuously operates a Heatec hot oil heater, fired with virgin No. 2 fuel oil having a maximum sulfur content of 0.5% by weight or with natural gas, to heat the liquid asphalt cement.

Facility ID No. 1150135-011-AF

ID No.	Emission Unit Description
001	Astec double barrel drum mix asphalt plant with in-line impact RAP lump breaker and asphalt heater
003	Relocatable 250 tph RAP Nonmetallic Mineral Processing Plant (NMPP)

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.
- The facility is subject to Standards of Performance for New Stationary Sources (NSPS) 40 CFR 60 Subparts I and OOO.
- The facility is a synthetically minor stationary source of air pollution.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1) Permitting Authority: The permitting authority for this project is Sarasota County Environmental Protection Division (SCEPD), Air and Water Quality. The mailing address is: SCEPD; 1001 Sarasota Center Blvd, Sarasota, FL, 34240. All documents related to applications for permits shall be submitted in triplicate to SCEPD.

2) Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the SCEPD. The mailing address and phone number of the SCEPD is: 1001 Sarasota Center Blvd, Sarasota, FL, 34240; (941) 650-3923.

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

   Appendix A. Citation Formats and Glossary of Common Terms;

   Appendix B. General Conditions;

   Appendix C. Common Conditions;

   Appendix D. Common Testing Requirements;

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

   Appendix F. 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities;

   Appendix G. 40 CFR 60 Subpart A, General Provisions; and

   Appendix H. RAP Crushing System Flow Diagram

4) Applicable Regulations: Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 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 SCEPD may require the permittee to conform to new or additional conditions. SCEPD shall allow the Permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the SCEPD may grant additional time. [Rule 62-4.080, F.A.C.]

6) Modifications: No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from SCEPD. Such permit shall be obtained prior to beginning construction or modification. [Rules 40 CFR 60 Subparts I and OOO; Rules 62-4.030, 62-4.070(3), 62-4.080(2), 62-210.300(1) and 62-212.300(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) Source Obligation:

   a. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification. [Rule 62-212.400(12), F.A.C.]

9) Annual Operating Report: Submit to SCEPD each calendar year on or before April 1, an Annual Operating Report for Air Pollutant Emitting Facility {DEP Form No. 62-210.900(5)} for the preceding calendar year. [Rule 62-210.370(3), F.A.C.]

10) Renewal: Prior to sixty (60) days before the expiration date of this permit, the permittee shall apply for a renewal of the permit. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty (60) days before expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the SCEPD. [Rule 62-4.090, F.A.C.]

SECTION 3. FACILITY WIDE SPECIFIC CONDITIONS

Facility Wide

This section of the permit addresses the entire facility. Facility wide General Conditions, Common Conditions and Common Testing Conditions are located in Appendices B, C and D, respectively.

PERFORMANCE RESTRICTIONS

1) Permitted Capacity: The combined facility-wide fuel oil consumption, including used fuel oil, of the asphalt plant (EU 001), the RAP nonmetallic mineral processing plant (EU 003), the hot oil heater, and the diesel engines shall not exceed 1.2 million gallons in any 12 consecutive month period. Total natural gas use shall not exceed 330 million standard cubic feet in any 12 consecutive month period. [Permit No. 1150135-008-AC; Rule 62-4.070(3), F.A.C.]

2) Authorized Fuels: Fuel used shall be limited to the following types and processes:

Allowed Fuel	Maximum sulfur content, % by weight	Asphalt plant rotary dryer	Asphalt plant Heatec hot oil heater	335 hp engine that powers the Relocatable RAP NMPP
Virgin No. 5/6 fuel oil	1.0	Yes		
On-specification used No. 5/6 fuel oil	1.0	Yes		
Virgin No. 2 fuel oil	0.5	Yes	Yes	Yes
Bio fuel oil (Parsons BFO-1)	0.5	Yes		
Natural Gas		Yes	Yes	

[Permit No. 1150135-008-AC; Rule 62-4.070(3), F.A.C. and Rule 62-210.200(PTE), F.A.C.]

3) Reclaimed Fuel Oil Specifications: In order to be considered on-specification used fuel oil, used fuel oil shall meet the following requirements:

Pollutant	Maximum concentration, ppm	Temperature, degrees Fahrenheit
Arsenic	5	
Cadmium	2	
Chromium	10	
Lead	100	
Total halogens	1,000	
Polychlorinated biphenyls (PCBs)	2	
Flash Point		≥ 100

The burning of off-specification used oil is prohibited.

[Rules 62-710.210 and 62-4.070(3), F.A.C.; 40 CFR 279.11]

4) 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 62-701.520 and 62-730, F.A.C]

5) Raw Materials: Recycled Asphalt Pavement (RAP) may be used. [Permit No. 1150135-008-AC; Rule 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

6) Record Retention: Supporting documentation such as fuel purchase orders indicating amount of fuel purchased and sulfur content of the fuel; material received/processed; etc. shall be kept and shall be made available to SCEPD upon request. [Rules 62-4.070(3), and 62-297.440(1), F.A.C.]

A. Hot Mix Asphalt Plant

This section of the permit addresses the following emissions units.

ID No.	Emission Unit Description
001	Astec double barrel drum mix asphalt plant with in-line impact RAP lump breaker and asphalt heater.

PERFORMANCE RESTRICTIONS

1) Permitted Capacity:

   a. The maximum process rate is synthetically limited to 275 tons/hour of asphalt concrete on a daily average basis and 500,000 tons of asphalt concrete produced in any 12 consecutive months. [Permit No. 1150135-008-AC; Rule 62-4.070(3), F.A.C.]

   b. In accordance with Rule 62-297.310(2), F.A.C., compliance testing of the asphalt plant's emissions shall be conducted with the plant operating at permitted capacity (e.g., 247.5 to 275 tons HMA concrete/hour). If it is impractical to test at this capacity, the asphalt plant's emissions may be tested at less than 247.5 tons HMA concrete/hour. In this case, then it will automatically constitute an amended permit limiting the subsequent operation of the asphalt plant to 110 percent of the compliance test rate until a new compliance test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the higher production rate. Acceptance of the compliance test by SCEPD will automatically constitute an amended permit at the tested higher production rate plus 10%.

   [Permit No. 1150135-008-AC; Rules 62-4.070(3), and 62-297.310(2), F.A.C.]

2) Authorized Fuel:

   a. Fuel use shall be limited to the following processes and fuel types. The fuel types are ranked from Highest emissions to Lowest emissions:

Allowed Fuel Type	Maximum sulfur content, % by weight	Asphalt plant rotary dryer	Asphalt plant Heatec hot oil heater
Virgin No. 6 Fuel Oil (Highest emissions)	1.0	Yes	
Virgin No. 5 Fuel Oil	1.0	Yes	
Bio Fuel Oil (Parsons BFO-1)	0.5	Yes	
On-specification Used No. 5/6 Fuel Oil	1.0	Yes	
Virgin No. 2 Fuel Oil	0.5	Yes	Yes
Natural Gas (Lowest emissions)		Yes	Yes

   The burning of off-specification used oil is prohibited (see Section 3 Facility Wide Specific Conditions.)

   b. If a compliance test is conducted while firing the HMA dryer with a fuel type other than Virgin No. 6 Fuel Oil, then it will automatically constitute an amended permit limiting the HMA dryer's allowed fuel types to that which was tested and those fuel types with lower emissions; and up to 400 hours of firing the HMA dryer using a higher emissions fuel type.

c. Within 30 days of exceeding the 400th hour of firing the dryer with a higher emissions fuel type, a new compliance test shall be conducted with the dryer using the highest emission fuel type used during the 400 hour period.

[Permit No. 1150135-008-AC; Rules 62-4.070(3), F.A.C., 62-210.200(PTE), F.A.C., and 62-297.310(2), F.A.C.]

3) Restricted Operation: The hours of operation of are not limited (8760 hours per year). [Permit No. 1150135-008-AC; Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

4) Emissions Standards:

a. Particulate Matter (PM) emissions from the baghouse shall not exceed 0.04 gr/dscf. [40 CFR 60.92(a)(1); Rules 62-4.070(3), and 62-204.800(8)(b)12., F.A.C.]

b. Visible Emissions (VE) from the asphalt plant shall not exhibit 20% opacity, or greater. [40 CFR 60.92(a)(2); Rules 62-4.070(3), and 62-204.800(8)(b)12., F.A.C.]

TESTING REQUIREMENTS

5) Annual Compliance Tests: During each federal fiscal year (October 1st to September 30th), this emission unit shall be tested concurrently for VE and PM emissions to demonstrate compliance with the emissions standards specified in Specific Condition No. 4, and Section 5, Appendix D of this permit. [40 CFR 60.8(a); Rules 62-4.070(3), and Rule 62-297.310(7)(a)4, F.A.C.]

6) Compliance Tests Prior to Renewal. This emissions unit shall be tested for the following pollutants prior to obtaining a renewed operation permit: PM, VE. [Rule 62-297.310(7)(a)3, F.A.C.]

7) Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Section 5, Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

8) Test Methods: Required tests shall be performed in accordance with the following reference methods:

Method	***Description of Method and Comments***
5	*Determination of Particulate Matter Emissions from Stationary Sources.* *Sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).*
9	*Visual Determination of the Opacity of Emissions from Stationary Sources*

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the SCEPD. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

RECORDS AND REPORTS

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. For each test run, the report shall also indicate the PM and VE opacity. [Rule 62-297.310(8), F.A.C.]

10) Operational Data: In order to demonstrate compliance with Specific Condition No.s 1, 2 and 3, the permittee shall:

a. Record the following ***DAILY***:

i. The pressure drop (inches of water) across the baghouse during normal operation;

ii. The production (tons) of:

1. Virgin HMA concrete;
2. RAP HMA concrete; and
3. Virgin/RAP combined HMA concrete;

iii. HMA production hours;

iv. The daily average production rate of HMA concrete (tph); to be calculated from Specific Condition No.s 10.a.ii. & iii;

v. Type & quantity of fuel used to fire the rotary dryer;

vi. Type & quantity of fuel used to fire the hot oil heater;

vii. Description of any maintenance performed;

viii. Occurrence & duration of any startup/ shutdown/ or malfunction in the operation of the facility or the air pollution control equipment;

ix. Comments; and

x. Operator's signature.

b. Record the following ***MONTHLY*** :

i. The total production (tons) of:

1. Virgin HMA concrete;
2. RAP HMA concrete; and
3. Virgin/RAP combined HMA concrete;

ii. Include the most recent 12 consecutive months total production (tons) of HMA concrete;

iii. The type and quantity of fuel used (gallons) by the rotary dryer; type and quantity of fuel used to fire the hot oil heater;

iv. Include the most recent 12 consecutive months total (gallons) of fuel oil used;

v. Include the most recent 12 consecutive months total (standard cubic feet) of natural gas used;

vi. Total hours of the rotary dryer's operation; include the most recent 12 consecutive months total hours of operation;

vii. Comments; and

viii. Operator's signature.

Operating logs shall include the facility name, the facility ID, date, time, and operator initials for each measurement. Daily records shall be completed within three business days. Monthly records shall be completed by the end of the following month. [40 CFR 60.7(b); Rules 62-4.070(3), and 62-204.800(8), F.A.C.]

B. RAP NMPP Crusher

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
03	Mobile RAP Nonmetallic Mineral Processing Plant (NMPP)

PERFORMANCE RESTRICTIONS

1) Permitted Capacity: The maximum material processing rate of the RAP crushing unit and associated screening operation shall not exceed 250 tons/hour (daily average) and 175,000 tons per any 12 consecutive month period. [Rule 62-210.200(PTE), F.A.C.; 1150135-008-AC]

2) Authorized Fuel: Fuel used shall be limited to Virgin No. 2 Fuel Oil. [Permit No. 1150135-008-AC and Rule 62-210.200(PTE), F.A.C.]

3) Restricted Operation:

   a. The hours of operation shall not exceed 2,000 hours per any 12 consecutive month period. [Permit No. 1150135-008-AC; Rules 62-210.200(PTE), F.A.C. and 62-4.070(3), F.A.C.]

   b. Only relocatable non-metallic mineral processing plants in actual possession of a valid Florida Department of Environmental Protection permit may operate under the authority of the permittee's synthetic non-Title V air permit. [Permit No. 1150135-008-AC; Rules 62-4.210, 62-4.220, and 62-210.300(4), F.A.C.]

   c. The RAP NMPP, is subject to the requirements of 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants 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.; and are provided in Section 5. Appendices E and F of this permit, respectively. [Rule 62-204.800(8)(b)66., F.A.C.]

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

Emission Point No.	Brief Description
1	Drop to feeder/ hopper
2	Crusher inlet
3	Transfer point: crusher to conveyor
4	Transfer point: conveyor to screen
5	Screen
6	Screen to stacker conveyor
7	Transfer point: stacker conveyor to crushed material pile
8	Transfer point: oversize material from screen to oversize conveyor
9	Transfer point: oversize conveyor back to crusher

[Rule 62-210.200(245), F.A.C., Definitions – Potential To Emit, F.A.C.]

EMISSIONS STANDARDS

5) Emissions Standards: Emissions limits shall comply with 40 CFR 60 Subpart OOO Tables 2 and 3, where applicable. The below table summarizes the maximum VE opacity from the emission points identified in Specific Condition No. 4.

B. RAP NMPP Crusher

Emission Point (EP) No.	Description: crushers and affected pieces of equipment (e.g., screens)	Maximum Visible Emissions, % Opacity	
		Construction, modification or reconstruction commenced after 8/31/1983, but before 4/22/08.	Construction, modification or reconstruction commenced on or after 4/22/2008.
1	Drop to feeder/ hopper	<20	<20
2	Crusher inlet	15	12
3	Transfer point: crusher to conveyor	15	12
4	Transfer point: conveyor to screen	10	7
5	Screen		
6	Screen to stacker conveyor	10	7
7	Transfer point: stacker conveyor to crushed material pile	<20	<20
8	Transfer point: oversize material from screen to oversize conveyor	10	7
9	Transfer point: oversize conveyor back to crusher	15	12

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

NOTE:
EP No.s 1 & 7 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.
EP Nos. 2 & 9 are at the same location and require only one VE test.
EP No.s 4 & 5 are at the same location and require only one VE test.
EP Nos. 6 & 8 are at the same location and require only one VE test.

[40 CFR 60.672(a) and (b); Rules 62-210.200(PTE), F.A.C. and 62-296.320(4)(b), F.A.C.]

6) Within sixty days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required by 40 CFR 60.11, no owner or operator subject to the provisions of 40 CFR 60 Subpart OOO shall cause to be discharged into the atmosphere any emissions which exceed the limits specified in Specific Condition No. 5. [40 CFR 60.672]

TESTING REQUIREMENTS

7) Annual 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 VE. This is a relocatable emissions unit and may be tested at an offsite location. [62-297.310(7)(a)4, F.A.C.]

8) Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

9) Test Methods: Required tests shall be performed in accordance with the following reference methods:

Method	*Description of Method and Comments*
5	*Method for Determining Particulate Matter Emissions* Sample volume shall be at least 1.70 dscm (60 dscf). If the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter. [40 CFR 60.675(a) and (b)]
9	*Visual Determination of the Opacity of Emissions from Stationary Sources* To determine compliance with the visible emissions standards of Specific Condition No. 5, the permittee shall use EPA Method 9 and the procedures in 40 CFR 60.11, with the following additions: a. The minimum distance between the observer and the emissions source shall be 4.57 meters (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. For affected emission units using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. [40 CFR 60.675(c)(1)(i), (ii), & (iii)]
17	*Determination of Particulate Matter Emissions From Stationary Sources* Sample volume shall be at least 1.70 dscm (60 dscf). [40 CFR 60.675(a) and (b)]

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the SCEPD. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

10) When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or (e)(1), the duration of the EPA Method 9 observations must be thirty minutes (five 6-minute averages). [40 CFR 60.675(c)(3)]

11) Visible Emissions Test – Emissions Interference: For the method and procedures of 40 CFR 60.675(c), if emissions from two or more emission units continuously interfere so that the opacity of fugitive emissions from an individual affected emission unit cannot be read, either of the following procedures may be used:

    a. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected emission units contributing to the emissions stream; or,

    b. Separate the emissions so that the opacity of emissions from each affected emission unit can be read. [40 CFR 60.675(e)(1)(i), & (ii)]

A single visible emission observer may conduct visible emission observations for up to 3 fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

a. No more than 3 emission points may be read concurrently;

b. All 3 emission points must be within a 70 degree viewing sector or angle in front of the observer such that the sun is in the proper position and can be maintained for all 3 points; and

c. If an opacity reading for any one of the 3 emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other 2 points and continue reading just that single point.

[40 CFR 60.675(e)(2)]

MONITORING REQUIREMENTS

12) Monitoring of Operations: The owner or operator of any affected facility subject to the provisions of 40 CFR 60 Subpart OOO which uses a wet scrubber to control emissions shall install, calibrate, maintain and operate the following monitoring devices:

a. A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ±250 pascals ±1 inch water gauge pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions. [40CFR 60.674(a)(1)]

b. A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ±5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions. [40 CFR 60.674(a)(2)]

c. See Section 5. Appendix E, 40 CFR 60.674(b) for wet suppression systems monitoring requirements.

d. See Section 5. Appendix E, 40 CFR 60.674(c) for baghouse monitoring requirements.

RECORDS AND REPORTS

13) 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 and all test conducted to demonstrate compliance with the standards set forth in Specific Condition No 5. [40 CFR 60.676(f) and Rule 62-297.310(8), F.A.C.]

14) During the initial performance test of a wet scrubber, and daily thereafter, the permittee shall record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate. [40 CFR 60.676(c)]

a. After the initial performance test of a wet scrubber, the permittee shall submit semiannual reports to SCEPD of occurrences when the measurements of the scrubber pressure loss and liquid flow rate decrease by more than 30 percent from the average determined during the most recent performance test. [40 CFR 60.676(d)]

b. The reports shall be postmarked within 30 days following end of the second and fourth calendar quarters. [40 CFR 60.676(e)]

15) The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt

conveyor becomes subject to the applicable opacity limit of Specific Condition No. 28, and the emission test requirements of 40 CFR 60.11. [40 CFR 60 .676(g)].

16) A notification of the actual date of initial startup of each affected facility shall be submitted to SCEPD.

    a. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to SCEPD. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

    b. For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

    [40 CFR 60.676(i)(1) and (2)]

17) The permittee seeking to comply with 40 CFR 60.670(d) shall submit to the SCEPD the following information about the existing facility being replaced and the replacement piece of equipment:

    a. For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

        i. The rated capacity in megagrams or tons per hour of the existing facility being replaced and

        ii. The rated capacity in tons per hour of the replacement equipment.

    b. For a screening operation:

        i. The total surface area of the top screen of the existing screening operation being replaced and

        ii. The total surface area of the top screen of the replacement screening operation.

    c. For a conveyor belt:

        i. The width of the existing belt being replaced and

        ii. The width of the replacement conveyor belt.

    d. For a storage bin:

        i. The rated capacity in megagrams or tons of the existing storage bin being replaced and

        ii. The rated capacity in megagrams or tons of replacement storage bins.

    [40 CFR 60.676(a)]

18) <u>Operational Data</u>: In order to document compliance with Facility Wide Specific Condition No.s 1 and 2, and Specific Condition No.s 1, 2, and 3, the permittee shall maintain the following records:

    a. Record the following***, for each crusher brought on-site***:

        i. The Air Permit Number;

        ii. Date of construction, modification or reconstruction;

        iii. Dates of operation on site;

        iv. Operating configuration onsite (number of emission points);

        v. Comments; and

        vi. Operator's signature.

    b. Record the following, ***DAILY***:

i. The hours of operation of the RAP crushing unit and associated screening operation;

ii. Quantity of material processed (tons);

iii. Average daily material processing rate (tons/hour);

iv. Comments; and

v. Operator's signature.

c. Record the following, ***MONTHLY***:

i. Total fuel consumption (gallons) by all crushers;

ii. Total fuel consumption (gallons) by all crushers for the most recent 12 consecutive months;

iii. Total amount of material processed (tons);

iv. Total amount of material processed (tons) for the most recent 12 consecutive months;

v. Total operating hours of the RAP crushing unit and associated screening operation;

vi. Total operating hours of the RAP crushing unit and associated screening operation for the most recent 12 consecutive months;

vii. Comments; and

viii. Operator's signature.

Daily records are to be completed within 3 business days. Monthly records are to be completed by the end of the following month. These records shall be maintained at the facility for a minimum of 3 years and made available to SCEPD upon request. [Rule 62-4.070(3), F.A.C.]