

FINAL DETERMINATION  
FOR  
PREFERRED MATERIALS, INC.

Hillsborough County

FESOP Permit

Application Number

0570223-020-AF

Environmental Protection Commission of

Hillsborough County

Tampa, FL

June 2, 2014

## FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on April 25, 2014 that included an Intent to Issue FESOP Permit No. 0570223-020-AF to Preferred Materials, Inc. The facility is located at 6701 East Hanna Ave., Tampa, Hillsborough County, FL. This permit renews operation of the existing facility and also modifies the particulate matter (PM) testing requirement for the drum mix asphalt plant. In addition, this permit incorporates the name change of the facility. The name of the facility is changed from APAC Southeast, Inc. to Preferred Materials, Inc. This is a name change only. There is no change in ownership.

The Public Notice of Intent to Issue was published in The Times, an edition of the Tampa Bay Times on May 16, 2014.

### COMMENTS/CHANGES

No comments were received from the applicant or the public.

### CONCLUSION

The final action of the Environmental Protection Commission of Hillsborough County is to issue the permit as drafted.

ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Mark S. Marine  
Vice President of Preferred Materials, Inc. – Asphalt Division  
Preferred Materials, Inc.  
13101 Telecom Drive, Suite 101  
Tampa, FL 33637

Dear Mr. Marine:

Enclosed is Permit Number 0570223-020-AF to renew the operation of the existing facility and also to modify the testing requirement to allow the facility to perform annual particulate matter testing on the drum mix asphalt plant while processing RAP and virgin materials, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit 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 EPC in the Legal Department at 3629 Queen Palm Dr, Tampa, FL 33619; 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 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

Richard D. Garrity, Ph.D.  
Executive Director

cc: Roger Caldwell – Bottorf Associates, Inc. (via e-mail)  
Adrienne N. Coppock – Oldcastle Southern Group (via e-mail)  
Florida Department of Environmental Protection, Southwest District (via e-mail)

RDG/LAW/law

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on \_\_\_\_\_ to the listed persons.

Clerk Stamp

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

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Date

PERMITTEE:  
Preferred Materials, Inc.  
1301 Telecom Dr., Suite 101  
Tampa, FL 33637

PERMIT/CERTIFICATION  
Permit No.: 0570223-020-AF  
Expiration Date: June 2, 2019  
County: Hillsborough  
Project: Hot Mix Asphalt Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-204, 62-210, 62-212, 62-213, 62-296, 62-297, and Chapter 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Environmental Protection Commission (EPC) of Hillsborough County and made a part hereof and specifically described as follows:

This permit authorizes operation of a hot mix asphalt facility which consists of a 500 ton/hr drum mix asphalt plant, a 250 ton/hr portable recycled asphalt pavement (RAP) crushing system, and a 100 ton/hr portable asphalt shingle grinder. The 500 ton/hr ASTEC, RDB-10847/500 9'x47', Turbo Double Barrel® counterflow drum mix asphalt plant is equipped with a 125 MMBtu/hr Phoenix burner capable of firing on-specification reclaimed fuel oil, No. 5 residual fuel oil, No. 4 residual fuel oil, No. 2 distillate fuel oil, bio fuel oil, or natural gas. The PM emissions from the drum mixer are controlled by an ASTEC, RBH-85W, 51,000 DSCFM pulse jet baghouse. The asphalt plant also consists of six 300-ton storage silos for storage of the final product (asphalt concrete), two truck loadout scale stations, one 500 barrel silo for storage of additives, four 20,000 gallon asphalt storage tanks for storage of asphalt cement (liquid asphalt), and three 14,000 gallon storage tanks used to store fuel oil for the dryer/mixer.

The asphalt plant uses virgin aggregate material, RAP, and ground shingles in the asphalt feed. Virgin aggregate material arrives by truck and is transferred from stockpiles by front-end loader to the aggregate feeder system that contains eight bins (hoppers). From the bins, the virgin aggregate is transferred to a collecting conveyor and then to a screen. From the screen, the aggregate material is transferred to a virgin weight conveyor in the amount necessary to produce the desired asphalt quality. After the virgin weight conveyor, the aggregates are transferred via conveyor belt to the dryer/mixing drum, where the aggregates are dried and mixed with other materials (RAP and/or ground shingles and asphalt cement), as necessary.

The RAP or ground shingle materials are transferred from the stockpiles by front-end loader to two RAP bins (hoppers). From the bins, the RAP and/or ground shingle material is transferred to a collecting conveyor and then to a screen where the materials are split into two separate routes. The desired small size materials from the screen are transferred to a weight conveyor and then to the dryer/mixing drum, where the materials are dried and mixed with other materials (virgin material and asphalt cement), as necessary. The large sized material is sent via conveyor belt to the crusher (lump breaker) to generate smaller size materials and then is transferred back to the collecting conveyor, which routes the material to the screen to be screened again.

From the drum mixer, the asphalt is conveyed to one of six 300-ton storage silos for storage. There are two truck loadout scales located directly below the storage silos, where the asphalt is gravity fed into trucks for shipment offsite.

The RAP crushing system and the shingle grinder, described below, are owned by different companies under the authority of an air general permit(s) for a relocatable nonmetallic mineral processing plant(s). Since a RAP crushing system and a shingle grinder are brought to Preferred Materials, Inc. from time to time as a routine operation, Preferred Materials, Inc. is required to incorporate these activities in the current air permit pursuant to Rule 62-210.310(5)(e)5., F.A.C.

The RAP crushing operation is limited to a maximum RAP processing rate of 250 ton/hr and 300,000 ton/yr. The RAP system, which includes a diesel fired engine with a maximum rating of 320 HP to drive the RAP crusher and power a 100 KW generator, operates on No. 2 fuel oil with a maximum sulfur content of 0.5%.

Virgin scrap shingle material from the Building Materials Manufacturing Plant (Facility ID No. 0570056) is shredded using a shingle grinder. The Portable Asphalt Shingle Grinder is limited to a maximum grinding rate of 100 ton/hr and 15,000 ton/yr. The shingle grinding system includes a diesel fired engine with a maximum rating of 540 HP to drive the grinder. The shingle grinder is a Bandit Beast Recycler, Model 3680, with a Caterpillar C15 540 HP engine, or equivalent.

The ground shingles may be mixed with sand in order to prevent them from sticking together when they are stored prior to use. When needed in production, the shredded shingle material, either by itself or mixed with sand, is conveyed through the asphalt plant RAP feed system to the drum mixer like any other RAP Material.

Emissions from the material handling operations are controlled by the use of water and partial enclosures. Emissions from the RAP crusher and the shingle grinder are controlled by the use of water sprays.

The facility also operates a 2.5 MMBtu/hr Hot Oil Heater, which supplies heat to the asphalt storage tanks to maintain the asphalt in liquid form. The Hot Oil Heater is exempt from permitting pursuant to Rule 62-210.300(3)(b)1., F.A.C. In addition, the three 14,000 gallon storage tanks used to store fuel oil for the dryer/mixer are exempt from permitting pursuant to Rule 62-210.300(3)(b)1., F.A.C.

The following is a description of the emission units and emission points:

**EU 001: Cold Feed System (Virgin Aggregate Material Handling):**

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 001	1) Truck to Ground
	2) Front-end loader to Virgin Bins
	3) Bins to Conveyor
	4) Conveyor to Screen/Screening
	5) Screen to Drum Mixer Conveyor
	6) Drum Mixer Conveyor to Drum mixer

**EU 100: Portable RAP Crushing System:**

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 100	1) Truck to Ground
	2) Front-end loader to Crusher Feeder
	3) Crusher
	4) Crusher to Conveyor 1
	5) Conveyor 1 to Screen/Screening
	6) Screen to Conveyor 2
	7) Screen to Conveyor 4
	8) Screen to Conveyor 5
	9) Conveyor 5 to Conveyor 6
	10) Conveyor 2 to Conveyor 3
	11) Conveyor 3 to Crusher
	12) Conveyor to Stockpile 1
	13) Conveyor Stockpile 2

**EU 101: Diesel Engine and Power Generator for RAP Crusher**

**EU 102: Hot Mix Asphalt Plant:**

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 102	1) ASTEC, RDB-10847/500 9'x47', Turbo Double Barrel® counterflow drum mix asphalt mixer
	2) Mixer to Storage Silo Elevator Conveyor
	3) Six 300-ton Asphalt Product Storage Silos
	4) Two Truck Loadout Scale Stations

**EU 103: Portable Shingle Grinding System:**

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 103	1) Ground shingles to bins
	2) Bin to conveyor
	3) Conveyor to screen
	4) Screen to truck feed conveyor
	5) Truck feed conveyor to truck
	6) Truck to stockpile
	7) Shingle grinder conveyor to stockpile
	8) Front-end loader drop to RAP bin

**EU 104: Diesel Engine for Shingle Grinder**

**EU 105: RAP Feed System:**

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 105	1) Truck to Ground
	2) Front-end Loader to RAP Bins
	3) Bins to Conveyor
	4) Conveyor to Screen/Screening
	5) Screen/Screening to Crusher Conveyor
	6) Crusher Conveyor to Crusher
	7) Crusher/Lump Breaker
	8) Crusher to Recycle Conveyor/Screening
	9) Screen to Drum Conveyor
	10) Drum Conveyor to Drum Mixer

Location: 6701 East Hanna Avenue, Tampa, Hillsborough County, FL 33610

UTM Coordinates: 17 - 364.3 East and 3098.1 North

Facility ID No.: 0570223

References Permit Nos.: 0570223-013-AC, 0570223-014-AC, 0570223-017-AC, and 0570223-018-AC

Replaces Permit No.: 0570223-019-AF

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**A. Facility Wide Conditions**

**A.1.** A part of this permit is the attached 15 General Conditions. [Rule 62-4.160, F.A.C.]

**A.2.** Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, or any other requirements under federal, state or local law. [Rule 62-210.300, F.A.C.]

**A.3.** All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]

**A.4.** The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying or any other act, that causes or materially contributes to a public nuisance is prohibited, pursuant to the Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended. [Rule 62-4.070(3), F.A.C.]

**A.5. Material Usage.** The maximum combined throughput of virgin aggregate, RAP material, and ground shingle material processed at the facility shall not exceed 750,000 tons per any 12 consecutive month period. [Rule 62-4.070(3), F.A.C., and Permit No. 0570223-018-AC]

**A.6. Objectionable Odor.** The facility shall not cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-210.200(214) and 62-296.320(2), F.A.C.]

**A.7. Unconfined Emissions of Particulate Matter (PM).** All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provisions in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include, but are not limited to, the following: [Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

- a. Paving and maintenance of roads and parking areas
- b. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, and similar activities as needed
- c. Removal of PM from paved roads to prevent re-entrainment, and from building and work areas to prevent particulates from becoming airborne; however, dry sweeping is prohibited

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

- d. The stockpiles of RAP and aggregate shall be adequately wetted and/or tarped as needed
- e. Landscaping or planting of vegetation
- f. Water shall be applied to the crusher, shingle grinder, and associated transfer points as needed to comply with the opacity standard

**A.8. Excess Emissions.** Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may be reasonably prevented during start-up, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

**A.9.** The permittee shall comply with the following requirements: [40 CFR 60.11 and Rule 62-204.800, F.A.C.]

- a. The opacity standards set forth in this permit shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40 CFR 60.11(c)]
- b. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]

**A.10. Circumvention.** The permittee shall comply with the following requirements: [40 CFR 60.12 and Rules 62-204.800 and 62-210.650, F.A.C.]

- a. No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]
- b. No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]

**A.11. Asbestos Containing Materials.** This facility shall not process Asbestos Containing Materials (ACM), whether regulated asbestos containing material (RACM), category I or category II, and whether friable or non-friable when received at the facility. [40 CFR 61, Subpart M and Rules 62-257 and 62-701.520, F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

- 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.

**A.12. Compliance Test Notification.** The permittee shall notify the Air Compliance Section of the EPC at least 30 days prior to a test that is being performed to show compliance with a standard specified in 40 CFR 60 or at least 15 days prior to a test that is being performed to show compliance with a standard specified in the State Rules. The test notification shall include the date on which each formal compliance test is to begin, the time and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)(9), F.A.C. and 40 CFR 60.7(a)(6) and 60.8(d)]

**A.13. Compliance Test Methods.** The following test methods shall be used to determine compliance with the applicable emission limitations: [40 CFR 60, Appendix A, adopted by reference in Rule 62-204.800, F.A.C., and Rules 62-297.310(4) and 62-297.401, F.A.C.]

- a. EPA Method 5 for particulate matter (PM). EPA Method 5 test shall consist of three (3) runs. The owner or operator shall use the average of the three runs for determining compliance. The minimum requirements for stationary point source emissions test procedures and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A.
- b. EPA Method 9 for visible emissions (VE). The visible emissions test shall be conducted by a certified observer and be a minimum of thirty (30) minutes in duration, unless otherwise specified in this permit. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur.

**A.14. Performance Tests.** The permittee shall comply with the following requirements: [40 CFR 60.8]

- a. Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart.
- b. Performance tests shall be conducted under such conditions as the EPC shall specify to the

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

plant operator based on representative performance of the affected facility. The owner or operator shall make available to the EPC such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

**A.15.** Unless otherwise specified by this permit, visible emissions shall not be equal to or greater than 20% opacity. [Rule 62-296.320(4)(b)1., F.A.C. and Permit No. 0570223-017-AC]

**A.16. Test Report Submittal.** All test reports of compliance demonstrations required by this permit shall be submitted to the Air Compliance Section of the EPC within forty-five (45) days after the test has been completed. [Rule 62-297.310(8), F.A.C.]

**A.16. Special Compliance Testing.** When the EPC, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission limiting standard contained in a Chapters 62-4 through 62-297, F.A.C. or in a permit issued pursuant to those chapters is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]

**A.17. Stack Sampling.** The permittee shall install and maintain stack sampling facilities, including sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support as required. All stack sampling facilities must meet requirements of Chapter 62-297, F.A.C. and any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E. [Rule 62-297.310(6), F.A.C.]

**A.18. Required Equipment.** The owner or operator of an emission unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emission data to determine the compliance of emissions units with applicable emission limiting standards. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weigh hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(a) and (b), F.A.C.]

**A.19. Excess Emissions Reporting.** In the case of excess emissions resulting from malfunctions, the permittee shall notify the Air Compliance Section of the EPC in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the EPC. [Rule 62-210.700(6), F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**A.20. Startup/Shutdown/Malfunction.** The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. The records shall be recorded in a permanent form suitable for inspection and shall be retained for at least five (5) years. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state and federal officials upon request. [40 CFR 60.7(b) and Rules 62-204.800(8), 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

**A.21. Records Retention.** All daily records shall be completed within three (3) business days and all monthly records shall be completed by the end of the following month. All records required by this permit shall be maintained at the facility (on-site) for at least at least five (5) years and shall be made available to the Environmental Protection Commission of Hillsborough County, state and federal officials upon request. [40 CFR 60.7, Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

**A.22.** The permittee shall comply with the following requirements: [Rule 62-204.800, F.A.C. and Permit Nos. 0570223-017-AC and 0570223-018-AC]

- a. A notification shall be submitted to the EPC stating the actual date that bio fuel oil was burned in the asphalt plant for the first time. The notification shall be postmarked within 15 days after such date. [40 CFR 60.7(a)(3) and Rule 62-4.070(3), F.A.C.]
- b. The permittee shall furnish the EPC written notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The EPC may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]
- c. Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in Appendix A (40 CFR 60). [40 CFR 60.11(b)]

**A.23. Annual Operating Report Requirement.** Submit to the Environmental Protection Commission of Hillsborough County each calendar year on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rule 62-210.370(3), F.A.C.]

**A.24. Modifications.** The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200(185), F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300 and 62-4.070(3), F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

- a. Alteration or replacement of any equipment or major component of such equipment.
- b. Installation or addition of any equipment which is a source of air pollution.
- c. Replacement or modification of the hot oil heater.
- d. Use of any materials or fuels not authorized by this permit.

**A.25. Transfer of Ownership.** If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Air Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

**A.26.** Prior to sixty days before the expiration of this operating permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form along with the proper fee. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty days before the 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 EPC or, if there is court review of the final agency action, until a later date is required by Section 120.60, Florida Statutes. [Rule 62-4.090, F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**B. Conditions Specific to EU 001 -Virgin Aggregate Material Handling**

**B.1. Aggregate Usage.** The maximum combined throughput of virgin aggregate, RAP material, and ground shingle material processed at the facility shall not exceed the following: [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-013-AC, 057022-014-AC, and 057022-018-AC]

- a. 500 tons/hour on a daily average basis
- b. 750,000 tons per any 12 consecutive month period

**B.2. Visible Emissions.** Visible emissions from the following emission points shall not be greater than 5% opacity: [Rule 62-296.711(2)(a), F.A.C., Chapter 1-3.52 of the Rules of the EPCHC, and Permit Nos. 0570223-017-AC and 0570223-018-AC]

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 001	1) Truck to Ground
	2) Front-end loader to Virgin Bins
	3) Bins to Conveyor
	4) Conveyor to Screen/Screening
	5) Screen to Drum Mixer Conveyor
	6) Drum Mixer Conveyor to Drum mixer

**B.3. VE Test Frequency.** Test the Emission Points in Specific Condition B.2., for visible emissions annually, once per federal fiscal year (October 1 – September 30). Testing procedures shall be consistent with the requirements of 40 CFR 60, Rule 62-297, F.A.C., and Specific Condition No. A.13. [Rule 62-297.310(4)(a)2., F.A.C]

**B.4. VE Test Duration.** The visible emissions test shall be conducted by a certified observer and be a minimum of thirty (30) minutes in duration. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(7)(a), F.A.C]

**B.5.** Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of processing 500 tons/hour of material. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen (15) days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the process rate and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2), F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**B.6. Operating Records.** In order to demonstrate compliance with Specific Condition No. B.1., the permittee shall maintain monthly and 12-month rolling total records of the amount of virgin aggregate material handled at this facility. The records shall be maintained at the facility (on-site) for a minimum of five (5) years and shall be made available to the Environmental Protection Commission of Hillsborough County, state and federal officials upon request. [40 CFR 60.7 and Rule 62-210.300(3)(c)2.g., F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**C. Conditions Specific to EU 105 (RAP Feed System)**

**C.1.** The maximum RAP material usage shall not exceed the following: [Rule 62-4.070(3), F.A.C. and Permit No. 0570223-018-AC]

- a. 500 tons/hour on a daily average basis
- b. 300,000 tons per any 12 consecutive month period

**C.2. Visible Emissions.** Visible emissions from the following emission points shall not be greater than 5% opacity: [40 CFR 60.672, Rule 62-296.711(2)(a), F.A.C., Chapter 1-3.52 of the Rules of the EPCHC, and Permit Nos. 0570223-017-AC and 0570223-018-AC]

<b>Emission Unit</b>	<b>Emission Point Description</b>
<b>EU 105</b>	1) Truck to Ground
	2) Front-end Loader to RAP Bins
	3) Bins to Conveyor
	4) Conveyor to Screen/Screening
	5) Screen to Crusher Conveyor
	6) Crusher Conveyor to Crusher
	7) Crusher/Lump Breaker
	8) Crusher to Recycle Conveyor/Screening
	9) Screen to Drum Conveyor
	10) Drum Conveyor to Drum Mixer

**C.3. VE Test Frequency.** Test each emission point in Specific Condition C.2. for visible emissions annually, once per federal fiscal year (October 1 – September 30). Testing procedures shall be consistent with the requirements of 40 CFR 60, Rule 62-297, F.A.C., and Specific Condition No. A.13. [Rule 62-297.310(4)(a)2., F.A.C]

**C.4. VE Test Duration.** The visible emissions test shall be conducted by a certified observer and be a minimum of thirty (30) minutes in duration. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2., F.A.C.]

**C.5.** Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of processing 500 tons/hour of material. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen (15) days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the process rate and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2), F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**C.6. Operating Records.** In order to document compliance with Specific Condition No. C.1., the permittee shall maintain monthly and 12-month rolling total records of the amount of RAP material handled. The records shall be maintained at the facility (on-site) for a minimum of five (5) years and shall be made available to the Environmental Protection Commission of Hillsborough County, state and federal officials upon request. [40 CFR 60.7 and Rule 62-210.300(3)(c)2.g., F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**D. Conditions Specific to EU 102 (Hot Mix Asphalt Plant)**

**D.1. NSPS Applicability.** The asphalt concrete plant 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. [Rule 62-204.800(8), F.A.C.]

**D.2. Potential to Emit.** As requested by the permittee, in order to limit the potential to emit and establish the facility as a synthetic minor source, the allowable and the potential to emit for particulate matter emissions from the drum mixer shall not exceed 0.04 grains/DSCF and 35.0 tons per any 12 consecutive month period. [40 CFR 60.92(a)(1), Rules 62-210.300(3)(c)2.d. and 62-4.070(3), F.A.C., and Permit Nos. 0570223-013-AC and 0570223-018-AC]

**D.3.** The hours of operation shall not exceed 4,000 hours per any 12 consecutive month period. [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-013-AC and 0570223-018-AC]

**D.4.** The hot oil heater, deemed an insignificant source, is allowed to operate continuously, 8,760 hours/year. [Rule 62-210.200(239), F.A.C. and Construction Permit Nos. 0570223-013-AC and 0570223-017-AC]

**D.5. Operation Rates.** The maximum production of the asphalt plant shall not exceed the following: [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-013-AC and 0570223-018-AC]

- a. 500 tons/hour of asphalt concrete production on a daily average basis.
- b. 750,000 tons of asphalt concrete production in any 12 consecutive month period.

**D.6.** The following limitations shall apply to the dryer and the hot oil heater: [40 CFR 60.92(a)(2), Rules 62-204.800(8), 62-210.300(3)(c)2.f., 62-296.320, and 62-296.704(2), F.A.C., and Permit Nos. 0570223-017-AC and 0570223-018-AC]

- a. Visible emissions from the Plant shall not be equal to or greater than 20% opacity.
- b. Visible emissions from the hot oil heater shall not be equal to or greater than 20% opacity. Since the heater is deemed an insignificant source, only a special visible emissions compliance test may be required in accordance with Specific Condition No. A.16. If a special VE compliance test for the heater is requested by the EPC, the test shall be conducted in accordance with EPA Method 9.

**D.7.** The following restrictions and limitations shall apply to the dryer and the hot oil heater: [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-013-AC, 0570223-017-AC and 0570223-018-AC]

- a. The maximum heat input rate of the dryer shall not exceed 125 MMBtu/hour.
- b. The maximum heat input rate for the hot oil heater shall not exceed 2.5 MMBTU/hour. Since the hot oil heater is deemed insignificant, no records of the heat input rate are required

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**D.8.** The following restrictions and limitations shall apply to the dryer and the hot oil heater: [Rules 62-210.300(3)(c)2. and 62-4.070(3), F.A.C. and Permit Nos. 0570223-013-AC, 0570223-017-AC, and 0570223-018-AC]

- a. The dryer shall only burn the following fuels:
  - 1) On-specification reclaimed/used fuel oil
  - 2) No. 5 residual fuel oil
  - 3) No. 4 residual fuel oil
  - 4) No. 2 distillate fuel oil
  - 5) Bio fuel oil
  - 6) Natural Gas
- b. The maximum combined fuel usage of the fuels listed in a.1) through a.5) above shall not exceed 2,100,000 gallons per twelve consecutive month period.
- c. The maximum usage of natural gas shall not exceed 250 million cubic feet per twelve consecutive month period.
- d. The hot oil heater shall only burn the following fuels:
  - 1) No. 2 distillate fuel oil
  - 2) Natural gas

**D.9.** The following limitations shall apply to the dryer and the hot oil heater: [Rules 62-210.300(3)(c)2. and 62-4.070(3), F.A.C. and Permit Nos. 0570223-013-AC, 0570223-017-AC, and 0570223-018-AC]

- a. The sulfur content of each fuel oil burned in the dryer shall not exceed 0.7% by weight
- b. The sulfur content of each fuel oil burned in the hot oil heater shall not exceed 0.5% by weight.

**D.10. Used Oil Specifications.** The permittee shall not burn off-specification used oil. For each delivery of on-specification used oil, the vendor shall provide an analysis documenting that the fuel oil meets the below requirements of 40 CFR 761.20(e)(2) and (3) and 40 CFR 279.11 (July 1, 2004). Copies of the analysis shall be maintained at the facility for a minimum of 5 years and shall be made available to the Environmental Protection Commission of Hillsborough County, state and federal officials upon request. [Rules 62-4.070(3) and 62-710.210 F.A.C. and Permit Nos. 0570223-013-AC and 0570223-018-AC]

<b>Constituent/Property</b>	<b>Allowable Level</b>
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	Shall not exceed 1000 ppm <sup>1</sup>
Flash Point	100 degrees F minimum
PCB's	Shall be less than 2 ppm <sup>2</sup>

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

<sup>1</sup>Levels over 1000 ppm require additional testing (ref. 40 CFR 279.11)

<sup>2</sup>Required in order to be capable of firing on-specification used oil during startup and shutdown.  
Firing used oil with a concentration of 2 ppm or greater of PCBs is prohibited.

**D.11. Fuel Sulfur Content Record.** In order to document continuing compliance with the sulfur content limitation specified in Specific Condition D.9., 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 ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1), F.A.C. These records shall be maintained at the facility for a minimum of five (5) years and be made available to the Environmental Protection Commission of Hillsborough County, state and federal officials upon request. [Rules 62-4.070(3) and 62-29.440(1)(g)-(j), F.A.C.]

**D.12.** Test one of the six storage silos during loading, under representative operating conditions, and the two truck loadout scales for visible emissions at the point of highest opacity annually, once per federal fiscal year (October 1 – September 30). Testing procedures shall be consistent with the requirements of 40 CFR 60, Rule 62-297, F.A.C., and Specific Condition No. A.13. [Rules 62-297.310 and 62-4.070(3), F.A.C.]

**D.13.** The permittee shall test the asphalt plant for the following pollutants within 60 days of firing the plant on bio fuel oil for the first time. The performance tests shall be performed while firing the plant on bio fuel oil. If the results of the tests show emissions increases from those provided in the permit application received September 25, 2009 (Permit No. 0570223-018-AC), the permittee shall submit for a construction permit to modify the emission source's potential emissions. [Rules 62-210.200(239) and 62-4.070(3), F.A.C. and Permit No. 0570223-018-AC]

- a. Nitrogen Oxides. Compliance shall be determined using EPA Reference Method 7 or 7E.
- b. Carbon Monoxides. Compliance shall be determined using EPA Reference Method 10.
- c. Volatile Organic Compounds. Compliance shall be determined using EPA Reference Method 25A.
- d. Particulate Matter. Compliance shall be determined using EPA Reference Methods 1, 2, 4, and 5. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
- e. Visible Emissions. Compliance shall be determined using EPA Reference Method 9 as specified in Specific Condition No. A.13. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test.

**D.14.** In order to demonstrate compliance with the emission limitations specified in Specific Condition Nos. D.2. and D.6., the permittee shall test the asphalt plant for the following pollutants annually, once per federal fiscal year (October 1 – September 30). [40 CFR 60.11, 40 CFR 60.93, Rule 62-4.070(3), F.A.C. and Permit No. 0570223-017-AC]

PERMITTEE:

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

- a. Particulate Matter. Compliance shall be determined using EPA Reference Methods 1, 2, 4, and 5. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
- b. Visible Emissions. Compliance shall be determined using EPA Reference Method 9 as specified in Specific Condition No. A.13.

**D.15.** Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of processing 500 tons/hour of material. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for the purpose of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. The actual rate (in tons/hour) of the emission unit for the test period shall be included in the test report for each test. Failure to submit the actual rate for the test period and a copy of the daily log specified in Specific Condition No. D.18. for the test day in the test report may invalidate the test. [Rules 62-297.310(2), and 62-4.070(3), F.A.C.]

**D.16.** The facility shall comply with the following: [Rule 62-4.070(3), F.A.C and Permit Nos. 0570223-013-AC and 0570223-017-AC]

- a. A compliance test submitted when the dryer is fired with Natural Gas will allow the dryer to be only fired with Natural Gas and up to 400 hours of firing No. 2 distillate fuel oil, No. 4 residual oil, No. 5 residual oil, on-specification reclaimed/used fuel oil or bio fuel oil. Within thirty (30) days of exceeding the 400<sup>th</sup> hour of firing the dryer with No. 4 residual oil, No. 5 residual oil, on-specification reclaimed/used fuel oil, or bio fuel, a new compliance test shall be conducted with the dryer being fired with No. 4 residual oil, No. 5 residual oil, on-specification reclaimed/used fuel oil, or bio fuel oil.
- b. A compliance test submitted when the dryer is fired with No. 2 distillate fuel oil will allow the dryer to be only fired with Natural Gas and No. 2 distillate fuel oil and up to 400 hours of firing No. 4 residual oil, No. 5 residual oil, on-specification reclaimed/used fuel oil, or bio fuel oil. Within thirty (30) days of exceeding the 400<sup>th</sup> hour of firing the dryer with No. 4 residual oil, No. 5 residual oil, or on-specification reclaimed/used fuel oil, or bio fuel a new compliance test shall be conducted with the dryer being fired with No. 4 residual oil, No. 5 residual oil, on-specification reclaimed/used fuel oil, or bio fuel oil.
- c. A compliance test submitted when the dryer is fired with No. 4 and/or No. 5 residual fuel oil will allow the dryer to be fired with Natural Gas, No. 2 distillate fuel oil, No. 4 and/or No. 5 residual fuel oil and up to 400 hours of firing on-specification reclaimed/used fuel oil or bio fuel oil. Within thirty (30) days of exceeding the 400<sup>th</sup> hour of firing the dryer with on-specification reclaimed/used fuel oil, a new compliance test shall be conducted with the dryer being fired with on-specification reclaimed/used fuel oil or bio fuel oil.
- d. A compliance test submitted when the dryer is fired with on-specification reclaimed/used fuel oil will allow the dryer to be fired with on-specification reclaimed/used fuel oil, Natural Gas,

PERMITTEE:

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

No. 2 distillate fuel oil, No. 4 residual fuel oil, No. 5 residual fuel oil, or bio fuel oil.

- e. All compliance test results shall be submitted to the Air Compliance Section of the EPC.

**D.17.** When conducting the testing specified in Specific Condition No. D.14., the raw materials processed in the drum mix asphalt plant shall be representative of normal operations for the most recent twelve month period. The test report shall specify the type(s) of raw material(s) used in the process while the test was being conducted. Also, the test report shall include the most recent 12 month records of the RAP and virgin materials used in the drum mix plant. [Rule 62-4.070(3), F.A.C.]

**D.18.** Failure to submit the following information with any compliance test report for the test period may invalidate the test(s): [Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

- a. Production rate of hot mix asphalt concrete in tons/hour
- b. Type(s) of material processed during the test (virgin materials, RAP, and/or ground shingles)
- c. Type of fuel used in the dryer burner
- d. Fuel oil analysis of the sulfur content of the fuel oil used (if applicable)
- e. Used fuel oil analysis to document compliance with the on-specification used oil limits (if applicable)
- f. A copy of the records as required by Specific Condition No. D.19. for the month the test was conducted
- g. The pressure drop across the baghouse during normal operations (in inches of water)

**D.19.** In order to document compliance with the requirements of Specific Condition Nos. D.2., D.3., D.5., D.8., and D.9., the permittee shall maintain daily and monthly records for the most recent five (5) year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [40 CFR 60.7 and Rule 62-210.300(3)(c)2.g., F.A.C. and Permit Nos. 0570223-017-AC and 0570223-018-AC]

- a. Daily Records - Daily record the following:

- (1) Total asphalt concrete production (tons)
- (2) Amount of RAP, ground shingles, and virgin materials used in the asphalt concrete production (tons)
- (3) Hours of production of asphalt concrete
- (4) The quantity of each type of fuel (No. 2 distillate fuel oil, No. 4 fuel oil, No. 5 fuel oil, on-specification used fuel oil, bio fuel oil, or natural gas) used to fire the asphalt concrete plant's dryer
- (5) Operating hours for each type of fuel burned in the dryer
- (6) The pressure drop across the baghouse during normal operations (in inches of water)
- (7) The quantity and type of fuel used to fire the hot oil heater

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

b. Monthly and 12-Month Rolling Total Records:

- (1) Total asphalt concrete produced (tons)
- (2) Amount of RAP, ground shingles, and virgin materials used in the asphalt concrete production (tons)
- (3) Total hours of production of asphalt concrete
- (4) The quantity of each type of fuel (No. 2 distillate fuel oil, No. 4 fuel oil, No. 5 fuel oil, on-specification used fuel oil, bio fuel oil, or natural gas) used to fire the asphalt concrete plant's dryer
- (5) Total operating hours for each type of fuel burned in the dryer
- (6) The overall monthly average MMBtu/hour heat input rate for the dryer
- (7) The quantity and type of fuel used to fire the hot oil heater

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**E. Conditions Specific to EU 100: Portable RAP Crushing System & EU 101: Diesel Engine and Power Generator for RAP Crusher**

**E.1. NSPS Applicability.** The recycled asphalt or concrete (RAP) crushing unit 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. [Rules 62-204.800(8) and 62-4.070(3), F.A.C.]

**E.2. Florida Air General Permit Applicability.** No portable rock crushing plant shall be operated at this asphalt plant site without having its own current Florida Air General Permit. The crushing plant is subject to all the terms and conditions of its current Florida Air General Permit and any applicable conditions contained in this Air Operation Permit. It shall have been tested in accordance with its current Florida Air General Permit requirements. [Rules 62-4.070(3) and 62-210.310.(5)(e), F.A.C.]

**E.3.** The hours of operation for the RAP crushing unit (including the diesel engine and diesel powered generator) shall not exceed 2,500 hours per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0570223-018-AC]

**E.4.** The maximum material processing rate of the RAP crushing unit shall not exceed 250 tons/hour (daily average) and 300,000 tons per any twelve consecutive month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0570223-018-AC]

**E.5.** The following restrictions and limitations shall apply to the Diesel Engine and Power Generator for RAP Crusher per any twelve consecutive month period: [Rules 62-4.070(3) and 62-210.300(3)(c)2., F.A.C., and Permit No. 0570223-018-AC]

- a. The sulfur content shall not exceed 0.5 weight percent sulfur
- b. The maximum horsepower of the Diesel Engine shall not exceed 100 KW (134.1 HP)
- c. The maximum horsepower of the Power Generator for RAP Crusher shall not exceed 320 HP

**E.6. Visible Emissions.** The permittee shall comply with the following requirements: [40 CFR 60.672, Rule 62-296.711(2)(a), F.A.C., Chapter 1-3.52 of the Rules of the Environmental Protection Commission of Hillsborough County, and Permit No. 0570223-018-AC]

- a. Visible emissions from the following emission points shall not be greater than 5% opacity:

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 100	1) Truck to Ground

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

<b>Emission Unit</b>	<b>Emission Point Description (continued)</b>
EU 100	2) Front-end loader to Crusher Feeder
	3) Crusher
	4) Crusher to Conveyor 1
	5) Conveyor 1 to Screen/Screening
	6) Screen to Conveyor 2
	7) Screen to Conveyor 4
	8) Screen to Conveyor 5
	9) Conveyor 5 to Conveyor 6
	10) Conveyor 2 to Conveyor 3
	11) Conveyor 3 to Crusher
	12) Conveyor to Stockpile 1
	13) Conveyor Stockpile 2

- b. Visible emissions associated with the Diesel Engine and Power Generator for RAP Crusher (EU 101) shall not be equal to or greater than 20% opacity.

**E.7.** Test each emission point in Specific Condition E.6.a. and b. for visible emissions annually, once per federal fiscal year (October 1 – September 30) as follows. Testing procedures shall be consistent with the requirements of 40 CFR 60, Rule 62-297, F.A.C., and Specific Condition No. A.13. [Rules 62-4.070(3) and 62-297.310(7)(a)4.a., F.A.C. and Chapter 1-3.52 of the Rules of the Environmental Protection Commission of Hillsborough County]

- a. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of such testing. Testing procedures shall be consistent with the requirements of 40 CFR 60 and Rule 62-296.711(3), F.A.C.

Or,

- b. Submit a copy of the VE test report from the company that owns the crusher that is brought to this site for RAP crushing, and ensure that the company has a valid annual VE test report in accordance with their permit conditions during the time of operation at this site, which demonstrates compliance with the limits specified in E.6. above.

**E.8.** Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of 250 tons/hr for the RAP crushing system. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test rate until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen (15) days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the process rates and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**E.9.** In order to document continuing compliance with the sulfur content limitation specified in Specific Condition No. E.5., 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 ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1), F.A.C. These records shall be maintained at the facility for a minimum of five (5) years and be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. [Rules 62-4.070(3) and 62-29.440(1)(g)-(j), F.A.C. and Permit No. 0570223-018-AC]

**E.10.** In order to demonstrate compliance with Specific Condition Nos. E.3., E.4., and E.5., the permittee shall maintain records for the most recent five (5) years period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

- a. Day, Month, Year
- b. Hours of operation of the RAP crushing system
- c. General Permit number for the RAP crusher used for each crushing activity, which shall include the horsepower of the diesel engine and the power generator
- d. Fuel type and sulfur content
- e. RAP processed by the RAP crushing system (tons per hour)
- f. Maintain monthly summary and rolling 12 consecutive month total for items b., d., and e. above

**E.11. Relocation Notification.** For each eligible company under the provision of the nonmetallic mineral processing plant air general permit brought to this site for RAP crushing operation, the company or Preferred Materials, Inc. shall notify the EPC by telephone, e-mail, fax, or written communication at least one (1) business day prior to changing location and transmit (by e-mail, fax, post, or courier) a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the EPC no later than five (5) business days following relocation. [Rules 62-4.070(3) and 62-210.310.(5)(e), F.A.C.]

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

**F. EU 103: Portable Shingle Grinding System and EU 104: Diesel Engine for Shingle Grinder**

**F.1. Raw Materials.** The asphalt shingle grinder shall only process virgin shingles from the Building Materials Corporation Manufacturing Plant (Facility ID No. 0570056). The permittee shall maintain documentation for each load of shingles delivered that certifies it is Building Materials Corporation Manufacturing Co.'s virgin material and the amount (in tons) of each load. [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-014-AC and 0570223-017-AC]

*Note: The facility may continue to use shingles from this plant if it is sold to a new owner, provided the above documentation can be obtained from the new owner.*

**F.2. Operation Rates.** The maximum material processing rate of the shingle grinder shall not exceed 100 tons/hour (daily average) and 15,000 tons per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-014-AC and 0570223-017-AC]

**F.3. Emission Limitations.** The potential to emit for PM emissions from the Portable Shingle Grinding System and the Diesel Engine shall not exceed 2.1 tons per any 12 consecutive month period. [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570223-014-AC and 0570223-017-AC]

**F.4.** The following restrictions and limitations shall apply to the shingle grinding system and diesel engine per any twelve consecutive month period: [Rules 62-4.070(3) and 62-210.300(3)(c)2., F.A.C., and Permit No. 0570223-017-AC]

- a. The horsepower of the engine shall not exceed 540 HP.
- b. The diesel engine shall only burn No. 2 fuel oil containing no more than 0.05 weight percent sulfur.

**F.5. Visible Emissions** The permittee shall comply with the following requirements: [40 CFR 60.672, Rule 62-296.711(2)(a), F.A.C., Chapter 1-3.52 of the Rules of the Environmental Protection Commission of Hillsborough County, and Permit Nos. 0570223-014-AC and 0570223-017-AC]

- a. Visible emissions from the following emission points shall not be greater than 5% opacity:

<b>Emission Unit</b>	<b>Emission Point Description</b>
EU 103	1) Ground shingles to bins
	2) Bin to conveyor
	3) Conveyor to screen
	4) Screen to truck feed conveyor
	5) Truck feed conveyor to truck
	6) Truck to stockpile
	7) Shingle grinder conveyor to stockpile
	8) Front-end loader drop to RAP bin

- b. Visible emissions associated with the Diesel Engine for Shingle Grinder (EU 104) shall not be

**PERMITTEE:**

Preferred Materials, Inc.  
Tampa Plant

Permit/Certification No.: 0570223-020-AF  
Project: Hot Mix Asphalt Plant

**SPECIFIC CONDITIONS:**

equal to or greater than 20% opacity.

**F.6. VE Test Frequency.** Test each emission point in Specific Condition F.5.a. and b. for visible emissions annually, once per federal fiscal year (October 1 – September 30). Testing procedures shall be consistent with the requirements of 40 CFR 60, Rule 62-297, F.A.C., and Specific Condition No. A.13. [Rules 62-4.070(3) and 62-297.310(7)(a)4.a., F.A.C. and Chapter 1-3.52 of the Rules of the Environmental Protection Commission of Hillsborough County]

**F.7. Test Requirement and Production Rate.** Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of 100 tons/hour for the asphalt shingle grinding system. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test rate until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen (15) days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the input rates and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C. and Permit Nos. 0570223-014-AC and 0570223-017-AC]

**F.8. Fuel Sulfur Content Record.** In order to document continuing compliance with the sulfur content limitation of 0.05% S by weight of the fuel oil (Specific Condition No. F.4.), 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 ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1), F.A.C. These records shall be maintained at the facility for a minimum of five years and be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. [40 CFR 60.7, Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C. and Permit Nos. 0570223-014-AC and 0570223-017-AC]

**F.9. Recordkeeping.** In order to demonstrate compliance with Specific Condition Nos. F.2., F.3., and F.4., the permittee shall maintain daily records of operation for the most recent five (5) year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [40 CFR 60.7, Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C. and Permit Nos. 0570223-014-AC and 0570223-017-AC]

- a. Day, Month, Year
- b. Horsepower of the shingle grinder engine used for each grinding activity
- c. Fuel type and sulfur content
- d. Amount of asphalt shingles processed by the grinding system (tons per hour and tons per day)
- e. Maintain monthly summary and rolling 12 consecutive month total for items c. and d. above

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OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.  
Executive Director

