

FINAL DETERMINATION

FOR

Tampa Pavement Constructions, Inc. a Subsidiary of Hubbard Construction Co., Inc.

Hillsborough County

FESOP Permit

Application Number

0571337-006-AF

Environmental Protection Commission of

Hillsborough County

Tampa, FL

August 19, 2014

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on July 11, 2014 that included an Intent to Issue Permit No. 0571337-006-AF to Tampa Pavement Constructions, Inc. a Subsidiary of Hubbard Construction Co., Inc. The facility is located at 5430 56th Street, Tampa, Hillsborough County, FL. This permit (1) renews the operation of the facility, (2) incorporates the operation of the lime silo authorized under Permit No. 0571337-004-AC, and (3) modifies the particulate matter (PM) testing requirement for the drum mix asphalt plant.

The Public Notice of Intent to Issue was published in The Times, an edition of the Tampa Bay Times, on August 2, 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

Mr. Mike Stacey
Manager – Plants and Materials
Tampa Pavement Constructions, Inc.
a Subsidiary of Hubbard Construction Co., Inc.
1936 Lee Road, Suite 101
Winter Park, FL 32789-7229

Dear Mr. Stacey:

Enclosed is Permit Number 0571337-006-AF to renew the operation of the 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

RDG/LAW/law

Tampa Pavement Constructions, Inc.
a Subsidiary of Hubbard Construction Co., Inc.
Winter Park, FL 32789-7229

Page 2 of 2

cc: Roger Caldwell – Bottorf Associates, Inc. (via e-mail)
Alan Zahm, P.E. - Bottorf Associates, Inc. (via e-mail)
Florida Department of Environmental Protection, Southwest District (via e-mail)

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:

Tampa Pavement Constructors, Inc.
a Subsidiary of Hubbard Construction Co., Inc.
5430 56th St.
Tampa, FL 33610

PERMIT/CERTIFICATION

Permit No: 0571337-006-AF
County: Hillsborough
Expiration Date: August 1, 2019
Project: Hot Mix Asphalt Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 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 EPC and made a part of hereof and specifically described as follows:

Tampa Pavement Constructors, a Subsidiary of Hubbard Construction Co., Inc. (TPC) produces hot mix asphalt that is used to pave roads and various other jobs. The process begins by loading virgin aggregates into five cold feed bins (hoppers). The feed bins are regulated by variable speed drives in order to proportion the desired amounts of each different aggregate onto a conveyor belt. The aggregates cross a scalping screen to remove any oversize aggregates. The properly sized aggregates are transferred to a scale conveyor belt and are conveyed into the asphalt plant dryer.

The dryer is equipped with a burner rated at 75 MMBtu/hr and an exhaust fan in order to heat and dry the materials to the desired temperature to achieve the final product (asphalt concrete). During the drying process, particulate matter emissions are generated. The emissions are carried by the exhaust fan into the asphalt plant dust collector/baghouse, which is further described below. The Plant dryer is capable of firing "on-specification" reclaimed fuel oil, No. 5 residual fuel oil, No. 2 distillate fuel oil, or natural gas.

Recycled Asphalt Product (RAP) is also used in the production process. RAP is loaded into one feed bin (hopper). The materials are gravity fed onto a conveyor belt, which conveys the material to a screener. The properly sized material is gravity fed onto a second conveyor belt, which conveys the material into the asphalt plant mixing drum. Oversized material is conveyed from the screener to a lump breaker. The material from the lump breaker is conveyed back to the screener to be screened again. The RAP is mixed in the mixing drum with asphalt cement oil, lime, and virgin aggregates from the dryer. The lime is pumped from a 60 ton silo to the mixing drum as needed. The lime silo is ducted to the asphalt plant dust collector/baghouse, which is further described below. The asphalt concrete is discharged from the mixing drum onto a slat conveyor, which conveys the asphalt concrete into one of three 100 ton storage silos. The asphalt is gravity fed into trucks using three

truck loadout scale stations.

The asphalt plant equipment consists of a Milemaker Series (Model No. MM225) dual-drum, counter-flow drum mix asphalt plant with a MM225 Dryer (7.33' dia. x 30' L) and a MM225 Mixer (6.0' dia. x 16' L).

Particulate emissions from the Plant and the lime silo are controlled by an ADM inertial dust collector (Baffle Plate) followed by an ADM pulse jet baghouse, Model No. BHS585-10, with an airflow rating of 30,000 dscfm. The material collected in the baghouse is returned via a series of enclosed screw and pneumatic conveyors to the mixing drum to be mixed into the final product.

A portable RAP crusher owned by TPC or by a different company is brought to the facility from time to time to crush the RAP into a size that can be used in the manufacturing of new hot mix asphalt. Since the RAP crushing system is brought to TPC from time to time as a routine operation, TPC is required to have an air permit for the crushing operation pursuant to Rule 62-210.310(5)(e)5., F.A.C. PM emissions are controlled by the application of water as necessary. The RAP crushing operation is limited to a maximum RAP processing rate of 250 ton/hr and 125,000 ton/yr. The RAP system, which includes a diesel engine to drive a RAP crusher and power a generator, uses No. 2 fuel oil (diesel) with a maximum sulfur content of 0.5%.

PM emissions from the virgin aggregates and RAP handling operations are controlled by the use of partial enclosures and the application of water as necessary. The asphalt plant is subject to 40 CFR 60 Subpart I - Standards of Performance for Hot Mix Asphalt Facilities. In addition, the portable RAP crusher may be subject to 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants. However, the lump breaker associated with the RAP Feed System is not subject to 40 CFR 60 Subpart OOO pursuant to 40 CFR 60.670(a)(1).

The following is a summary of the emission units at the facility.

EU No. 001: RAP Feed System:

Emission Point Description	
1) Loader Drop to RAP Bins	2) RAP Bins to Conveyor 1
3) Lump Breaker Drop to Conveyor 1	4) Conveyor 1 to Screen
5) Screen to Conveyor 2	6) Conveyor 2 to Lump Breaker
7) Screen to Conveyor 3	8) Conveyor 3 to Mixing Drum

EU No. 002: Portable RAP Crushing System and EU No. 003: Diesel Engine and Power Generation for RAP Crusher:

EU No. 004: Drum Mix Asphalt Plant (225 TPH):

Emission Point Description
1) ADM, Milemaker Series (Model No. MM225), dual-drum, counter-flow asphalt plant with mixer and dryer
2) Mixer to Storage Silo Elevator Conveyor
3) Three 100-ton Asphalt Product Storage Silos
4) Three Truck Loadout Scale Stations

EU No. 005: Virgin Aggregate Material Handling:

Emission Point Description
1) Bins (Hoppers) to Conveyor
2) Conveyor to Screen
3) Screen to Conveyor
4) Conveyor to Dryer

The following are emission sources associated with the asphalt processing that are exempt from permitting pursuant to Rule 62-210.300(3)(b)1., F.A.C.

- Two 20,000 gallon capacity tanks and one 30,000 gallon capacity tank that store the liquid asphalt cement oil that is sent to the mixing drum where it is mixed with RAP and virgin aggregate material
- One 20,000 gallon and one 3,000 gallon diesel fuel storage tanks
- One 2.1 MMBtu/hr Hot Oil Heater, which supplies heat to the asphalt storage silos to maintain the asphalt in liquid form.

Location: 5430 56th Street, Tampa, Hillsborough County, FL

Initial UTM Coordinates: 17-362.9 East 3097.7 North

Facility ID No.: 0571337

Emission Unit (EU) ID:

- 001 - RAP Feed System
- 002 - Portable RAP Crushing System (250 TPH)
- 003 - Diesel Engine and Power Generator for RAP Crusher
- 004 - Drum Mix Asphalt Plant (225 TPH)
- 005 - Virgin Aggregate Material Handling

References Permit Nos.: 0571337-001-AC and 0571337-004-AC

Replaces Permit No.: 0571337-002-AO

PERMITTEE:
Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO
Project: Hot Mix Asphalt Facility

PERMIT 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. and Permit No. 0571337-004-AC]

A.3. Hillsborough County Requirements. 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. Public Nuisance Prohibited. 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.

A.5. General Visible Emission (VE) Limit. Unless otherwise specified in 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. 0571337-001-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(200) and 62-296.320(2), F.A.C. and Permit No. 0571337-001-AC]

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: [Rule 62-4.070(3) and 62-296.320(4)(c), F.A.C. and Permit No. 0571337-001-AC]

- a. Paving and maintenance of roads, parking areas, and yards or the application of water to unpaved roads, parking areas, and yards to control emissions.

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

- b. RAP and aggregate material shall be wetted, as necessary, prior to and during handling, including screening and crushing.
- c. Stockpiles of RAP and aggregate shall be adequately wetted and/or tarped as needed.
- d. 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.
- e. Landscaping or planting of vegetation.

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. and Permit No. 0571337-001-AC]

A.9. Circumvention. [40 CFR 60.12, Rule 62-210.650, F.A.C., and Permit No. 0571337-001-AC]

- a. No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable device operating properly.
- b. No owner or operator subject to the provisions of 40 CFR 60.12 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.

A.10. 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; Chapter 62-257, F.A.C.; Rule 62-701.520, F.A.C. and Permit No. 0571337-001-AC]

- 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.

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

- 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.11. Compliance Test Notification. The permittee shall notify the Air Compliance Section of the EPC at least 15 days prior to the date on which each formal compliance test is to begin of the date, 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.]

A.12. Compliance Test Methods. The following test methods shall be used to determine compliance with the applicable emission limitations: [40 CFR 60, Appendix A, Rules 62-297.310(4) and 62-297.401, F.A.C. and Permit No. 0571337-001-AC]

- a. EPA Methods 1- 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 shall be a minimum of thirty (30) minutes in duration, unless specified otherwise in this permit. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur.

A.13. Performance Tests. [40 CFR 60.8, Rule 62-4.070(3), F.A.C., and Permit No. 0571337-001-AC]

- 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 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

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

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.14. Stack Sampling. The permittee shall install and maintain stack sampling facilities (as required), including ports, work platforms, access to work platforms, electrical power, and sampling equipment support. 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. and Permit No. 0571337-001-AC]

A.15. 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), F.A.C. and Permit No. 0571337-001-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 is completed. [Rule 62-297.310(8)(b), F.A.C.]

A.17. 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.18. 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. and Permit No. 0571337-001-AC]

A.19. Other NSPS Notifications. The permittee shall comply with the following requirements: [Rule 62-204.800, F.A.C. and Permit No. 0571337-001-AC]

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

- a. 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)]
- b. 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. [40 CFR 60.7(b)]
- 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)]
- d. 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)]
- e. 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 EPC 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)]
- f. 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.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; or any malfunction of the air pollution control equipment. The records shall be recorded in a permanent form suitable for inspection and shall be retained for at least five (5) years. [40 CFR 60.7, Rule 62-

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

204.800(8), F.A.C., and Permit No. 0571337-001-AC]

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 five (5) years and be made available to the EPC, state, or federal air pollution agency for inspection upon request. [40 CFR 60.7 and Rules 62-4.070(3) and 62-210.300(3)(c)1.g., F.A.C.]

A.22. Annual Operating Report Requirement. The permittee shall submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C. and Permit No. 0571337-001-AC]

A.23. 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, 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.]

- 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 hot oil heater.

A.24. 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.25. Operating Permit Application. Prior to sixty days before the expiration of this permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form. 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:
Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO
Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

B. Conditions Specific to EU No. 001 - RAP Feed System

B.1. Aggregate Usage. The maximum RAP material processed through the RAP Feed System shall not exceed 125,000 tons per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0571337-001-AC]

B.2. Visible Emissions. Visible emissions from the following emission points shall not be greater than 5% opacity: [Rule 62-296.711, F.A.C., Chapter 1-3.52 of the Rules of the EPC, and Permit No. 0571337-001-AC]

Emission Point Description	
1) Loader Drop to RAP Bins	2) RAP Bins to Conveyor 1
3) Lump Breaker Drop to Conveyor 1	4) Conveyor 1 to Screen
5) Screen to Conveyor 2	6) Conveyor 2 to Lump Breaker
7) Screen to Conveyor 3	8) Conveyor 3 to Mixing Drum

B.3. VE Test Frequency. Test the Emission Points listed in Specific Condition No. B.2. for visible emissions annually, once per each federal fiscal year (October 1 - September 30), with a target date of August 29. Testing procedures shall be consistent with the requirements of 40 CFR 60 and Rule 62-297, F.A.C. [Rules 62-297.310 and 62-4.070(3), F.A.C.]

B.4. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of processing approximately 112 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.]

B.5. 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), F.A.C.]

B.6. Operating Records. In order to document compliance with Specific Condition No. B.1., the permittee shall maintain monthly and 12-month rolling total records of the amount of RAP handled at this facility. [Rule 62-4.070(3), F.A.C.]

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

C. Conditions Specific to EU No. 002 - Portable RAP Crushing System and EU No. 003 - Diesel Engine and Power Generator for RAP Crusher

C.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, which are adopted by reference in Rule 62-204.800, F.A.C. [Rule 62-204.800(8), F.A.C. and Permit No. 0571337-001-AC]

C.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 previously tested in accordance with its current Florida Air General Permit requirements. [Rule 62-210.310(5)(e)5., F.A.C. and Permit No. 0571337-001-AC]

C.3. Operating Hours. The hours of operation for the RAP crushing unit (including the diesel engine and diesel powered generator) shall not exceed 2,000 hours per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0571337-001-AC]

C.4. Operation Rates. The maximum material processing rate of the RAP crushing unit shall not exceed 250 tons/hour (daily average) and 125,000 tons per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0571337-001-AC]

C.5. Fuel Usage. Fuel usage for the Diesel Engine and the Generator associated with the RAP crusher shall not exceed the following per any 12 consecutive month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0571337-001-AC]

- a. Fuel usage of the diesel engine shall not exceed 46,000 gallons
- b. Fuel usage of the generator shall not exceed 13,600 gallons
- c. Only virgin No. 2 diesel fuel containing no more than 0.5 weight percent sulfur shall be burned in the diesel engine and in the generator.

C.6. Visible Emissions. Visible emissions shall not exceed the following: [Rule 62-296.711, F.A.C., Chapter 1-3.52 of the Rules of the EPCHC, 40 CFR 60.672, and Permit No. 0571337-001-AC]

- a. Visible emissions from the material handling, crushing/grinding, and screening operations associated with EU No. 002 shall not be greater than 5% opacity, including, but not limited to, the following emission points:

PERMITTEE:
 Tampa Pavement Constructors, Inc., a Subsidiary of
 Hubbard Construction Co., Inc.
 Tampa Plant

Permit/Certification No.: 0571337-006-AO
 Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

Emission Unit	Emission Point Description	
EU No. 002	Loader Drop to RAP Feeder	Feeder to RAP Crusher
	RAP Crusher to Conveyor 1	Conveyor 1 to Screen
	Screen to Conveyor 2	Screen to Conveyor 4
	Screen to Conveyor 5	Conveyor 5 to Conveyor 6
	Conveyor 2 to Conveyor 3	Conveyor 3 to Crusher

- b. Visible emissions associated with the Diesel Engine and Power Generator for RAP Crusher (EU No. 003) shall not be equal to or greater than 20% opacity.

C.7. VE Test Frequency. Test the Emission Points listed in Specific Condition No. C.6 for visible emissions annually, once per each federal fiscal year (October 1 - September 30), with a target date of January 10. Testing procedures shall be consistent with the requirements of Rule 62-297, F.A.C. and as follows: [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 EPOCHC]

- 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 C.6. above.

C.8. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of approximately 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.]

C.9. VE Test Duration. The visible emissions test shall be conducted by a certified observer and shall 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), F.A.C.]

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

C.10. Test Procedures. In determining compliance with Specific Condition No. C.6., the permittee shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions: [Rule 62-210.310(5)(e)3.e., F.A.C. and 40 CFR 60.675(c)(1)(i), (ii) and (iii)]

- 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 emissions units (e.g., road dust). The required observer position relative to the sun Method 9, Section 2.1) must be followed.
- c. For affected emissions 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.

C.11. Fuel Sulfur Content Record. In order to document continuing compliance with the sulfur content limitation of 0.5% sulfur, by weight of the fuel oil (Specific Condition No. C.5.), the permittee shall keep records on either vendor provided as-shipped analysis or on analysis of as-received samples taken at the plant. These records shall be maintained at the facility for a minimum of five (5) years and be made available to the EPCHC, state, or federal air pollution agency upon request. [Rule 62-4.070(3), F.A.C. and Permit No. 0571337-001-AC]

C.12. The analysis specified in Specific Condition No. C.11. shall be determined using 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. [Rules 62-4.070(3) and 62-29.440(1)(g)-(j), F.A.C. and Permit No. 0571337-001-AC]

C.13. Recordkeeping. In order to demonstrate compliance with Specific Condition Nos. C.3., C.4., and C.5., the permittee shall maintain daily records associated with the EU Nos. 002 and 003 for the most recent five (5) years period. The records shall be made available to the EPCHC, 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., and Permit No. 0571337-001-AC]

- a. Day, Month, Year
- b. Hours of operation of the RAP crushing system
- c. Fuel consumption of the diesel engine associated with the RAP crushing system: fuel type, amount used, and sulfur content
- d. Fuel consumption of the generator associated with the RAP crushing system: fuel type, amount used, and sulfur content of the fuel oil burned
- e. Recycled Asphalt Paving (RAP) processed by the RAP crushing system (tons/day)
- f. Monthly summary and rolling 12 consecutive month total for items b. through e. above

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

C.13. Relocation Notification. For each eligible company under the provision of the nonmetallic mineral processing plant air general permit brought to the TPC's Tampa Plant site for RAP crushing operation, the company or TPC 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)3.f. and Permit No. 0571337-001-AC]

PERMITTEE:
Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO
Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

D. Conditions Specific to EU No. 004 - Drum Mix Asphalt Plant (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, which are adopted by reference in Rule 62-204.800(8), F.A.C. [Rule 62-204.800(8), F.A.C.]

D.2. Plant Operating Hours. The Plant is allowed to operate no more than 4,000 hours per any consecutive 12-month period. [Rules 62-4.070(3) and 62-210.200, Definitions-(PTE), F.A.C. and Permit No. 0571337-001-AC]

D.3. Hot Oil Heater Operating Hours. The hot oil heater, deemed an insignificant source, is allowed to operate continuously, 8,760 hours/year. [Rules 62-4.070(3) and 62-210.200, Definitions-(PTE), F.A.C. and Permit No. 0571337-001-AC]

D.4. Operation Rates. The following limitations shall apply: [Rules 62-4.070(3), 62-210.200, 62-210.300(c)2., F.A.C. and Permit Nos. 0571337-001-AC and 0571337-004-AC]

- a. The maximum lime throughput shall not exceed 750 tons in any consecutive 12-month period.
- b. The maximum asphalt concrete production shall not exceed 225 tons/hour on a daily average basis.
- c. The maximum asphalt concrete production shall not exceed 500,000 tons in any consecutive 12-month period.

D.5. Particulate Matter (PM) Emissions Limit: As requested by the permittee, in order to limit the potential to emit, the particulate matter emissions from the drum mix asphalt plant baghouse shall not exceed the following limitations: [40 CFR 60.92(a)(1) and Rules 62-296.704 and 62-210.300(c)2., F.A.C.]

- a. 0.04 grains per standard cubic foot averaged over a three (3) hour period.
- b. 20.6 ton/yr in any consecutive 12-month period

D.6. Visible Emission Limit. Visible emissions from any part of the Plant shall not be equal to or greater than 20% opacity. [40 CFR 60.92(a)(2), and Rules 62-204.800(8), 62-210.300(c)2. and 62-296.704(2), F.A.C.]

D.7. Hot Oil Heater Visible Emissions. Visible emissions from the liquid asphalt heater shall not be equal to or greater than 20% opacity. Since the heater is deemed an insignificant source, only a

PERMITTEE:
Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO
Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

special visible emissions compliance test may be required in accordance with Specific Condition No. A.17. If a special visible emissions test is requested, the test shall be conducted in accordance with EPA Method 9. [Rules 62-296.320(4)(b) and 62-297.310(7)(b), F.A.C.]

D.8. Dryer and Hot Oil Heater Fuel(s) and Sulfur Content. The Plant's dryer and hot oil heater shall comply with all of the following: [Rules 62-4.070(3), 62-210.300(c)2., F.A.C. and Permit No. 0571337-001-AC]

Heat Input Rate

- a. The maximum heat input rate for the dryer is 75 MMBtu/hour (on a monthly average basis).
- b. The maximum heat input rate for the hot oil heater is 2.1 MMBtu/hour.

Fuel Types

- c. The dryer's permitted fuels are:
 - (1) On-specification reclaimed/used fuel oil
 - (2) No. 5 residual fuel oil
 - (3) No. 2 distillate fuel oil
 - (4) Natural Gas
- d. The hot oil heater's permitted fuels are:
 - (1) No. 2 distillate fuel oil
 - (2) Natural Gas

Sulfur Content (Dryer and Hot Oil Heater)

- e. The dryer's sulfur content for all fuel oils shall not exceed 1% by weight.
- f. The hot oil heater's content for all fuel oils shall not exceed 0.5% by weight.

D.9. 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 following 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 made available to any local, state, and federal air pollution agency upon request. [Rules 62-4.070(3) and 62-710.210 F.A.C. and Permit No. 0571337-001-AC]

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

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

¹Levels over 1000 ppm require additional testing (ref. 40 CFR 279.11)

²Required 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.10. Fuel Sulfur Content Record. In order to document continuing compliance with the sulfur content limitation specified in Specific Condition D.8., 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. The above records shall be maintained at the facility for a minimum of five (5) years and be made available to any local, state, or federal agency upon request. [Rules 62-210.300(c)2. and 62-4.070(3), F.A.C.]

D.11. Particulate Matter (PM) Emission and Visible Emission (VE) Testing. [40 CFR 60.11, 40 CFR 60.93, and Rules 62-297.310(7) and 62-4.070(3), F.A.C.]

- a. The drum mix asphalt plant (EU No. 004) shall be concurrently tested for VE and PM annually, once per federal fiscal year (October 1 - September 30), with a target date of August 29th. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.
- b. Test the lime silo for visible emissions annually, once per federal fiscal year (October 1 - September 30), at the point of highest opacity.
- c. Test one of the storage silos during loading annually, once per federal fiscal year (October 1 - September 30), for visible emissions at the point of highest opacity.
- d. Test one of the three truck loadout scales during truck loading annually, once per federal fiscal year (October 1 - September 30), for visible emissions at the point of highest opacity
- e. Compliance with the opacity standards shall be determined by conducting observations in

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

accordance with Method 9. The minimum time of observation shall be 30 minutes in duration.

D.12. Test Requirement-Production Rate. Testing of emissions shall be conducted within 90-100% of the maximum permitted rate of 225 ton/hour, if feasible. A compliance test submitted at an operating rate less than 90% of the permitted rate will automatically constitute an amended permit at the lesser rate plus 10% (110% of the lesser test rate) until another test, showing compliance at no less than that higher rate is submitted. 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 authority to operate at the permitted capacity. The test results shall be filed with the Air Compliance Section of the EPC within forty-five (45) days of testing. Acceptance of the test by the EPC will constitute an amended permit at the higher rate plus 10%, up to the maximum permitted rate of 225 ton/hr. 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 (see Specific Condition Nos. D.14. and D.15.) for the test day in the test report may invalidate the test and fail to provide reasonable assurance of compliance. [Rules 62-297.310(2), and 62-4.070(3), F.A.C.]

D.13. Test Requirement-Fuel Type. The facility shall comply with the following:

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

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

- 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, No. 2 distillate fuel oil, or No. 5 residual fuel oil.
- e. All compliance test results shall be submitted to the Air Compliance Section of the EPC.

[Rules 62-4.070(3) and 62-297.310(2), F.A.C and Construction Permit No. 0571337-001-AC]

D.14. When conducting the testing specified in Specific Condition No. D.11., 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. Failure to submit this information with the compliance test report may invalidate the test(s). [Rule 62-4.070(3), F.A.C.]

D.15. 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.16. for the month the test was conducted
- g. The pressure drop across the baghouse during normal operations (in inches of water)

D.16. Operating Records. In order to document compliance with the requirements of Specific Condition Nos. D.2., D.4., and D.8., the permittee shall comply with the following recordkeeping requirements: [Rule 62-4.070(3), F.A.C.]

- a. Daily Records - Daily record the following:

- (1) Total asphalt concrete production (tons)
- (2) Amount of RAP and virgin materials used in the asphalt concrete production (tons)
- (3) Amount of lime used in the asphalt concrete production (tons)
- (4) Hours of operation while producing asphalt concrete
- (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)

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO

Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

b. Monthly and 12-Month Rolling Total Records:

- (1) Total asphalt concrete produced (tons)
- (2) Amount of RAP and virgin materials used in the asphalt concrete production (tons)
- (3) Amount of lime used in the asphalt concrete production (tons)
- (4) Hours of operation while producing asphalt concrete
- (5) The quantity of each type of fuel used to fire the asphalt concrete plant's dryer along with the overall monthly average MMBtu/hour heat input rate
- (6) The quantity and type of fuel used to fire the hot oil heater
- (7) Total operating hours for each type of fuel burned in the dryer

D.17. Operation and Maintenance Plan. The permittee shall comply with the requirements of the Operation and Maintenance Plan for Particulate Control as described in Appendix A and attached to this permit. [Rule 62-296.700, F.A.C.]

PERMITTEE:
Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO
Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

E. Conditions Specific to EU No. 005 - Virgin Aggregate Material Handling

E.1. Aggregate Usage. The maximum amount of virgin aggregate material used shall not exceed 475,000 tons per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0571337-001-AC]

E.2. Visible Emissions. Visible emissions from the following emission points shall not be greater than 5% opacity: [Rule 62-296.711, F.A.C., Chapter 1-3.52 of the Rules of the EPC, and Permit No. 0571337-001-AC]

Emission Point Description
1) Bins (Hoppers) to Conveyor
2) Conveyor to Screen
3) Screen to Conveyor
4) Conveyor to Dryer

E.3. VE Test Frequency. Test the Emission Points listed in Specific Condition No. E.2. for visible emissions annually, once per each federal fiscal year (October 1 - September 30), with a target date of August 29. Testing procedures shall be consistent with the requirements of Rule 62-296.711(3), F.A.C. [Rules 62-297.310(4)(a)2. and 62-4.070(3), F.A.C.]

E.4. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of processing approximately 225 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.]

E.5. 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), F.A.C.]

E.6. Operating Records. In order to demonstrate compliance with Specific Condition No. E.1., the permittee shall maintain monthly and 12-month rolling total records of the amount of virgin aggregate material handled at this facility. [Rule 62-4.070(3), F.A.C.]

PERMITTEE:

Tampa Pavement Constructors, Inc., a Subsidiary of
Hubbard Construction Co., Inc.
Tampa Plant

Permit/Certification No.: 0571337-006-AO
Project: Hot Mix Asphalt Facility

PERMIT CONDITIONS:

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

APPENDIX A

Operating and Maintenance Plan
for Tampa Pavement Constructors, Inc.

ASPHALT PLANT BAGHOUSE

A) Process Parameters:

1. Source Designators: Asphalt Plant Baghouse
2. Baghouse Manufacturer: Asphalt Drum Mixers, Inc. (ADM)
3. Model Name and Number: ADM, BHS585-10
4. Design Flow Rate: 47,000 ACFM
5. Efficiency Rating at Design Capacity: 99.9%
6. Pressure Drop: 0-6 in. water
7. Air to Cloth Ratio: 5.1:1
8. Bag Weave: Felt
9. Bag Material: Nomex
10. Bag Cleaning Conditions, Pulse Air Pressure: 90-100 psi
11. Gas Temperature: outlet approximately 300° F
12. Stack Height Above Ground: 27 ft.
13. Exit Dimensions: 2.7 ft. x 3.9 ft. (rectangular)
14. Exit Velocity: 67 fps
15. Water Vapor Content: 25%
16. Process Controlled by Collection System: Drum Mix Asphalt Plant
17. Material Handling Rate: 225 tons per hour
18. Operating Schedule: 4,000 hours/12 consecutive month period

B) The following observations, checks, and operations apply to this source and shall be conducted on the schedule specified:

Daily

1. Check and record pressure drop.
2. Observe stack (visual or with opacity meter).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Observe all indicators on control panel.
6. Assure that dust is being removed from system.
7. Inspect baghouse, ducts and fines blowers for wear or leaks.
8. Inspect air intake filter for blowers.
9. Monitor baghouse operating temperatures to ensure that bags are not overheated.

Weekly

1. Inspect screw conveyor (including bolts, hanger bearings, and shafts) for wear or damage.
2. Check the door seals, gaskets, and filter bag to tube sheet connection for leaks.
3. Operate all damper valves (isolation, by-pass, etc.), if applicable.
4. Check bag cleaning sequence to see that all valves are opening and closing properly (including audio confirmation).
5. Check pressure drop indicator equipment for plugged lines.

Monthly

1. Thoroughly inspect filter bags and internal portion of baghouse for leaks.
2. Check the tube sheet for dust build-up.
3. Check cleaning mechanism moving parts.
4. Inspect fan for corrosion and material build-up.
5. Check all drive belts and chains for wear and tension.
6. Check all hoses and clamps.
7. Check accuracy of all indicating equipment.
8. Inspect housing for corrosion.

Annually

1. Inspect primary “knockout” chamber prior to baghouse inlet for wear, build-up of material, and corrosion (including baffle plates, hopper, and sidewalls).
2. Inspect the screw conveyor flights for wear.
3. Check all bolts.
4. Check welds.
5. Inspect hopper for wear.
6. Check airlock rotor for wear.
7. Perform fluorescent dust leak test on filter bags and replace bags as needed.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]