

May 23, 2014

NOTICE OF AIR POLLUTION PERMIT

CERTIFIED MAIL: 7000 0600 0025 3505 6456
RETURN RECEIPT REQUESTED

ISSUED TO:

Mr. Jorge Juan de Moya
Director
The de Moya Group, Inc/Asphalt Group, Inc.
14600 SW 136 Street
Miami, Florida 33186

Permit Number: 0250587-005-AO
Issue Date: May 23, 2014
Expiration Date: May 22, 2019

Project: The de Moya Group, Inc/Asphalt Group, Inc. Pennsuco Plant State Air Operation Permit Renewal
Facility Description: Asphalt Plant (Major SIC Code 2951 Asphalt paving mixtures and blocks; NAICS 324121 Asphalt paving blocks made from purchased asphaltic materials)
Location: 10400 NW 121 Way, Miami, Miami-Dade County, Florida, 33178
Lat./Long: 25° 22' 46" N / 80° 22' 07" W

This is Permit Number 0250587-005-AO to operate an air pollution source issued by the **Miami-Dade County Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management pursuant to Chapter 24, Code of Miami-Dade County and Chapter 403.087, Florida Statutes (F.S.)**. This is a State Air Operating Permit authorizing the operation of the emissions units described in this permit.

The Florida Department of Environmental Protection (FDEP) has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.). However, in accordance with Section 403.182, F.S., the FDEP recognizes the RER as the approved local air pollution control program of Miami-Dade County. Through a Specific Operating Agreement, the FDEP delegated to the RER the authority to issue or deny permits for this type of air pollution source located in Miami-Dade County.

STATEMENT OF BASIS:

This permit is issued under the provisions of **Chapter 24, Code of Miami-Dade County, Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F. A. C.) Rules 62-4, and 62-204 through 62-297**, and in conformance with all existing regulations of the FDEP and the RER rules. 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 RER and made a part hereof and specifically described in this permit.

PERMIT CONTENTS:

- Part I -- Summary Information
- Part II -- Facility-Wide Specific Conditions
- Part III -- Emissions Unit Specific Conditions
- Appendix A – General Conditions
- Appendix B – Requirements for On-Specification Used Oil Fuel

PART I -- SUMMARY INFORMATION

This permit addresses the following air pollution emissions unit(s):

Emissions Unit Number	Emissions Unit Description
001	One (1) 300 TPH Drum Mix Asphalt Plant with a Baghouse

SIGNIFICANT DATES:

March 25, 2014: Received Application for State Air Operation Permit Renewal

FACILITY REGULATORY CLASSIFICATION:

This facility is a synthetic minor, Non-Title V source of air pollution.

PERMIT HISTORY:

<u>Permit</u>	<u>Description</u>	<u>Issue Date</u>	<u>Exp. Date</u>
Permit No. AC 13-208674	Construction Permit	August 12, 1992	May 30, 1993
Permit No. AO 13-233696	Operating Permit	September 27, 1993	September 23, 1998
Permit No. 0250587-001-AO	Operating Permit	January 12, 1999	January 11, 2004
Permit No. 0250587-002-AO	Operating Permit	April 5, 2004	April 4, 2009
Permit No. 0250587-003-AO	Operating Permit	June 7, 2006	April 4, 2009
Permit No. 0250587-004-AO	Operating Permit	May 21, 2009	May 20, 2014

0250587-005-AO Current Project for Operating Permit Renewal

PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

1.0 Administrative Requirements

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Miami-Dade County Regulatory and Economic Resources (RER), Division of Environmental Resources Management, Air Quality Management located at 701 NW 1 Court, Suite 400, Miami, Florida 33136.
- 1.2 Citation Format: In this permit, references to F. A. C. Rule 62-xxx refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.
- 1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403, F.S. [Rule 62-4.160 F. A. C.]
- 1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F. A. C.) Rules 62-4 and 62-204 through 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state, or local permitting requirements or other regulations.
- 1.5 Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.
- 1.6 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from the RER or other departments or agencies.
- 1.7 Renewal of This State Permit Required: An application for renewal of this air operating permit must be submitted to the RER, Air Quality Management **at least 60 days prior** to the expiration date of this permit. To apply for renewal of an operating permit, the applicant shall submit the appropriate application form in triplicate, the appropriate application fee, all required compliance test results, and such additional information as the RER may require by law.
[Rule 62-4.030, 62-4.050, and 62-4.220 F. A. C.]
- Note that public notice may be required again at the time of renewal or revision of this permit if the facility or permit is materially changed from that described by this permit.
[Rule 62-210.350(4)(a) F. A. C.]
- 1.8 County Permit Renewal: A request for renewal of the Miami-Dade County annual air operating permit must be submitted annually to the RER Air Quality Management on the appropriate form, **by May 31st of each calendar year**, along with the appropriate Miami-Dade County permit fee.
[Chapter 24-18, Code of Miami-Dade County]

2.0 General Pollutant Emission Limiting Standards

2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.
[Rule 62-296.320(2) F. A. C.]

2.2 General Visible Emissions Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity at any time.
[Rule 62-296.320(4)(b) F. A. C.]

2.3 Volatile Organic Compounds/Organic Solvents Emissions:
No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the RER.
Such controls include the following:

- Tightly cover or close all VOC containers when they are not in use.
- Tightly cover all open tanks, which contain VOC when they are not in use.
- Maintain all pipes, valves, fittings, etc., which handle VOC in good operating condition.
- Confine rags used with VOC to tightly closed, fireproof containers when not in use.
- Immediately confine and clean up VOC spills and make sure wastes are placed in closed containers for reuse, recycling or proper disposal.

[Rule 62-296.320(1) F. A. C.]

2.4 Unconfined Emissions of Particulate Matter:
No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture, and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

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

3.0 Operation Requirements

3.1 Circumvention: 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.]

- 3.2 Excess Emissions: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing best operational practices to minimize emissions are adhered to, and the duration of excess emissions shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the RER for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700 F. A. C.]

4.0 Compliance Testing Requirements

- 4.1 Test Notification: Unless otherwise specified in this permit, the RER, Air Quality Management shall be notified in writing of expected compliance test dates (when required) at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.
[Rule 62-297.310(7) (a) 9 F. A. C.]
- 4.2 Testing at Capacity: Compliance testing (when required) shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emissions unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.
[Rule 62-297.310(2) F. A. C.]
- 4.3 Special Compliance Tests: When the RER, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules 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 RER.
[Rule 62-297.310(7) (b) F. A. C.]

5.0 Reporting and Record Keeping Requirements

- 5.1 Report Excess Emissions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the RER in accordance with Rule 62-4.130, F. A. C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the RER.
[Rule 62-210.700(6) F. A. C.]
- 5.2 Report Plant Operation Problems: If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the RER. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with the FDEP and the RER rules.
[Rule 62-4.130 F. A. C.]

5.3 Retain Records: All records required by this permit shall be kept by the owner or operator and made available for the RER inspection for a minimum of three (3) years from the date of such records.
[Rule 62-4.160 (14) (b) F. A. C.]

5.4 Compliance Test Reports: Compliance test reports (when required) shall be submitted to the RER Air Quality Management, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the RER to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to F. A. C. Rule 297.310(8)(c):

- The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

[Rule 62-297.310(8)(a) &(b) F. A. C.]

5.5 Report Required: The Annual Operating Report (DEP Form 62-210.900(5)) shall be completed each year and submitted to the Miami-Dade County, RER, Air Quality Management Division office or submitted electronically to the Florida Department of Environmental Protection by April 1 of the following year.

[Rule 62-210.370(3) F. A. C.]

PART III -- EMISSIONS UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emissions units:

Emissions Unit Number	Emissions Unit Description
001	Asphalt Producing Operations. One (1) Gencor Asphalt Concrete Drum-mix Plant producing 300 TPH asphalt including up to 30% of recycled asphalt products (RAP) Particulate emissions are controlled by a Gencor-Bitma Model 132 Baghouse

1.0 Emissions Limiting Standards and Operation Restrictions

- 1.1 Visible Emissions: Visible emissions from the asphalt plant baghouse shall not equal or exceed 20% opacity at any time.
[Rule 62-210.300(3)(c)2d F. A. C., Air Construction Permit No. AC-13-208674]
- 1.2 Particulate Matter Emissions: Total emissions of particulate matter shall not exceed 0.04 gr/dscf averaged over a three-hour period
[Rule 62-210.300(3)(c)2d F. A. C., Air Construction Permit No. AC-13-208674]
- 1.3 Sulfur Dioxide Emission Standards: The owner or operator shall not cause, let, permit, suffer or allow the emissions of sulfur dioxide from any facility exceeding 1.1 pounds per million Btu heat input, when liquid fuel is burned.
[Code of Miami Dade County Chapter 24-41.3, Air Construction Permit No. AC-13-208674]
- 1.4 Production Rate: Total facility asphalt production rate shall not exceed 300 tons per hour based on a daily average and 500,000 tons in any consecutive 12 months period.
[Rule 62-210.300(3)(c)2a F. A. C. ; Rule 62-4.070(3) F. A. C.]
- 1.5 Allowable Fuels: Fuel burned shall be limited to new No.2 oil having a maximum sulfur content limit of 0.5% by weight, natural gas, or propane, or No.4 used oil fuel meeting the EPA used oil specifications as listed in Appendix B of this permit.
[Rule 62-4.070(3); Air Construction Permit No. AC-13-208674]
- 1.6 Allowable Fuels: On-specification used oil fuel used shall not exceed 1.0% sulfur content by weight. The used oil fuel shall meet the EPA requirements for on-specification used oil fuel, and the conditions listed in Appendix B of this permit.
[Rule 62-210.300(3)(c) F. A. C. Rule 62-4.070(3)]
- 1.7 Fuel Oil Consumption: Fuel oil consumption shall not exceed 1.2 million gallons in any consecutive 12-month period.
[Rule 62-210.300(3)(c)2b F.A.C.]
- 1.8 Hours of Operation: The asphalt plant may not operate in excess of 3,600 hours in any consecutive 12-month period.
[Rules 62-4.070(3) F.A.C; Air Construction Permit No. AC-13-208674]

2.0 Compliance Monitoring and Testing Requirements

2.1 Visible Emissions Test Required: The owner or operator shall have a formal compliance test conducted annually for visible emissions by EPA Method 9 during the federal fiscal year (October 1 – September 30). The visible emissions test shall be performed during one run of the particulate matter test.

[Rule 62-210.300(3)(c)2i; Rule 62-297.401(9) F. A. C., Air Construction Permit No. AC-13-208674]

2.2 Particulate Matter Test Required: The owner or operator shall have a formal compliance test conducted annually for particulate matter by EPA Method 5 of 5A during the federal fiscal year (October 1 – September 30).

[Rule 62-210.300(3)(c)2i; Rule 62-297.410(5)&(5A) F.A.C., Air Construction Permit No. AC-13-208674]

2.3 Sulfur Dioxide Emissions Testing: The owner or operator shall have a formal compliance test conducted annually for sulfur dioxide emissions using EPA Method 6.

[Rule 62-4 070(3) F.A.C.; Rule 62-297.401(6) F.A.C., Air Construction Permit No. AC-13-208674]

2.4 Determination of Process Variables:

(a) Required Equipment: The owner or operator of an emissions 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 the emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment: Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters and tanks 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 & b F.A.C.]

3.0 Reporting and Record Keeping Requirements

3.1 Recordkeeping Logs: The owner or operator shall keep a log to include, at a minimum, the following information:

(a) Maintenance and repair logs for any work performed on the permitted emissions units.

(b) Daily logs regarding the use of wetting agents to control fugitive dust.

(c) Any visible emissions observations of smoke or dust from any point of the facility.

(d) Any bag changes in the baghouse, including the manufacturer and material of the bags installed.

(e) Any fuel deliveries, including the supplier; the amount delivered; storage tank location; type of fuel; and, any laboratory analysis information. If any natural gas is used, provide daily meter readings.

(f) Any asphalt cement deliveries, including supplier, the amount delivered, location of storage tank.

This data shall be made available to the RER upon request and retained for a minimum three-year period.

[Rule 62-4.030 F.A.C.]

3.2 Hours of Operation: The owner or operator shall record and maintain daily record of the hours of operation of the asphalt plant. This record shall be retained for five years.

[Rule 62-210.300(3)(c)1g F.A.C.; Rule 62-4.070(3) F.A.C.]

- 3.3 Asphalt Concrete Production: The owner or operator shall maintain records to document the hourly, monthly and 12 month rolling totals of tons of asphaltic concrete produced, and the gallons of fuel oil consumed. These records shall be retained for five years.
[Rule 62-4.070(3) F.A.C.; Rule 62-210.300(3)(c)2g F.A.C.]
- 3.4 Record Keeping for No.4 Allowable Fuels: The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of used fuel oil does not exceed 1.0% sulfur by weight, and that the sulfur content was 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)
[Rule 62-210.300(3)(c)1c F.A.C.; Rule 62-4.070(3) F.A.C.]
- 3.5 Record Keeping for No.2 Allowable Fuels: The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of No. 2 fuel oil does not exceed 0.5% sulfur by weight, and that the sulfur content was 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)
[Rule 62-210.300(3)(c)1c F.A.C.; Rule 62-4.070(3) F.A.C.]
- 3.6 Control Equipment: The owner or operator shall visually inspect each emissions unit and associated baghouse daily to ensure that each baghouse is operating properly, and shall record the condition of each baghouse and pressure drop when inspected. The owner or operator shall perform a detailed inspection of each baghouse at least monthly and record the inspection results. Such inspections shall include general conditions of the emissions control equipment and ductwork, condition of the bags and appurtenances, and verification of proper operation of the bag cleaning cycle.
[Rule 62-4.070(3) F.A.C.]

Executed in Miami-Dade County, Florida.

REGULATORY AND ECONOMIC RESOURCES

H. Patrick Wong, Chief
Air Quality Management

Date

HPW/hs

Copy: Patricia Tampas, Florida Department of Environmental Protection, Southeast District Office.
(Patricia.Tampas@dep.state.fl.us)

FILING AND ACKNOWLEDGMENT: FILED, on this date, pursuant to § 120.52(7), F.S., with the designated RER Clerk, receipt of which is hereby acknowledged.

Clerk

Date