

PERMITTEE:

Overstreet Paving Company, Inc.  
17728 U.S. Highway 41 South  
Spring Hill, FL 34610 /

Permit No.: 1030026-005-AO  
County: Pinellas  
Effective Date:  
Expiration Date: 08/14/2005  
Project: Asphalt Concrete  
Plant No. 2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-200 through 62-297 & 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 department and made a part hereof and specifically described as follows:

For the operation of a Gencor Industries, Inc., Model 400 Ultra Drum Mix asphalt concrete plant designated as Asphalt Concrete Plant No. 2.

Permitting Note: The conditions of this permit will establish this facility as a synthetic non-Title V facility.

EU ID No. 001 - A Gencor Industries, Inc., Model 400 Ultra Drum Mix asphalt concrete plant having a design capacity of 250 tons/hour. The plant is permitted to process either a conventional surface mix (virgin) or reclaimed asphalt pavement (RAP). The Gencor Industries, Inc. Ultra flow Model UFII-85 asphalt plant dryer burner is fired at a maximum heat input rate of 85 MMBTU/hour, with "on-Specification" No 5 reclaimed fuel oil. New No. 2 fuel oil and natural gas will be alternate fuel. The sulfur content of the fuel oils shall not exceed 0.5%, by weight. The maximum fuel oil consumption rate shall be 750 gallons/hour. Emissions are controlled by a Gencor Industries, Inc. Primary collection System (knockout box) followed by a Caterpillar, Autopulse II, Model APL-720 baghouse collection system rated at 78,680 acfm.

EU ID No. 002 - A Gencor Hy-Way Model No. SFO-130 oil heating system rated at 1.4 MMBTU/hour. The heater is fired with new No. 2 fuel oil having a maximum sulfur content not to exceed 0.5%, by weight, with natural gas as alternate fuel. The oil heating system is used to heat liquid asphalt and fuel oil supplied to the plant's burner system.

EU ID No. 003 - A Gentec/Gator Model gag-100 reclaimed asphalt crusher/grinder with internal stationary screening unit used to grind/crush reclaimed asphalt to a desired size before use in the asphalt mix. The maximum throughput rate is 90.0 TPH.

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

Location: 1550 Starkey Road, Largo, Pinellas County

UTM: 17-326.2 E 3086.9 N Facility ID: 1030026

Emission Unit ID No.: 001-250 TPH Drum Mix Asphalt Plant  
002-1.4 MMBTU/hour Oil Heating System (insignificant)  
003-90 TPH Reclaimed Asphalt Crusher/Grinder

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

Replaces Permit No.: 1030026-004-AC

SPECIFIC CONDITIONS:

GENERAL FACILITY LIMITATIONS

1. A part of this permit is the attached 15 General Conditions. [Rule 62-4.160, F.A.C.]
2. The permittee shall not 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. and Pinellas County Code, Section 58-178]
3. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. 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 to be taken include the following:
  - A. Paved parking and trafficked areas shall be maintained and kept free of particulate matter build-up.
  - B. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, and stockpiles.
  - C. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from building and work areas to prevent particulate from being airborne.
  - D. Landscaping or planting of vegetation.  
[Rule 62-296.320(4)(c), F.A.C.]

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

4. In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, all sources of unconfined particulate matter not subject to 40 CFR 60, Subpart 000, shall not exceed 10% opacity. Exceedance of this limit shall not be considered a violation in and of itself, but may be a violation of the precautions specified in Specific Condition No. 3. [Rule 62-4.070(3), F.A.C.]

5. All applicable rules of the Department and design discharge limitations specified in the application must be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations. [Rule 62-210.300, F.A.C.]

Emission Units No. 001 & 002

6. The asphalt concrete plant is subject to the requirements of 40 CFR 60, Subpart I - Asphalt Concrete Plants and the general provisions of 40 CFR 60, Subpart A, where applicable, which are adopted by reference in Rule 62-204.800(7), F.A.C.

7. The asphalt concrete plant dryer (EU ID No. 001) is allowed to operate no more than 4,000 hours per any consecutive 12 month period. [construction permit application received 7/8/99]

8. The hot oil heater (EU ID No. 002), deemed an insignificant source, is allowed to operate continuously, 8,760 hours/year.

9. Emissions from the asphalt concrete plant (EU ID No. 001) shall comply with the following:

- A. Particulate emissions shall not exceed 0.04 grains/dscf.
- B. Visible emissions (VE) shall not be equal to or greater than 20% opacity.

[40 CFR 60 - Subpart I, Rule 62-204.800(7), F.A.C.]

10. Visible emissions from the hot oil heater (EU ID No. 002) 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.

\*Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule 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 Department. [Rules 62-296.320(4)(b) and 62-297.310(7)(b), F.A.C.]

11. The maximum permitted capacities of the asphalt concrete plant are as follows:

- A. 250 tons/hour of conventional/RAP asphalt concrete production on a daily average basis.
- B. 1,000,000 tons of conventional/RAP asphalt concrete production in any consecutive 12 month period.  
[construction permit application received 7/8/99]

12. The asphalt concrete plant's dryer (EU 001) shall comply with the following:

Dryer

- A. The maximum heat input rate to the dryer is 85.0 MMBTU/hour. The maximum fuel consumption rate is 750 gallons/hour.
- B. Shall be only fired with "on-specification" reclaimed No. 5 fuel oil, or new No. 2 fuel oil, or natural gas. The sulfur content of the fuel oils shall not exceed 0.5%, by weight. [construction permit application received 7/8/99]  
[construction permit application received 7/8/99]

13. The permittee shall not burn "off-specification" used oil. For each delivery of "on-specification" reclaimed/used fuel oil, the vendor shall provide an analysis documenting the fuel oil meets the following requirements of 40 CFR 761.20(e)(2) and (3) [July 1, 1993] and 40 CFR 279.11 (July 1, 1993):

Arsenic shall not exceed	5 ppm
Cadmium shall not exceed	2 ppm
Chromium shall not exceed	10 ppm
Lead shall not exceed	100 ppm
Total Halogens shall not exceed	1000 ppm
Flash point shall not be less than	100°F
PCB's shall not exceed	50 ppm*

\* In order to be able to fire "on-specification" reclaimed/used fuel oil during startup and shutdown, PCBs shall be less than 2 ppm. Used oil shall not be blended to meet this requirement..

Copies of the analysis shall be maintained at the facility for a minimum of 5 years and made available to the Department or the PCDEM upon request. [Rules 62-710.210 and 62-4.070(3), F.A.C.]

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

14. In order to document continuing compliance with the sulfur content limitations, in % by weight, of the fuel oil used in the asphalt concrete plant's dryer and hot oil heater, 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 5 years and made available to the Department upon request. [Rule 62-4.070(3)]

15. The following limitations apply to the asphalt concrete plant and hot oil heater:

- A. Daily record the total asphalt concrete production, in tons, for each of the following when operating:
  - 1. Conventional asphalt concrete
  - 2. RAP asphalt concrete
  - 3. Both types of asphalt concrete combined
- B. Daily record the hours of producing each type of asphalt concrete and the total hours of producing both types of asphalt concrete when operating.
- C. Daily record the daily average production rate of asphalt concrete produced, in tons/hr., for each of the following when operating:
  - 1. Conventional asphalt concrete
  - 2. RAP asphalt concrete
- D. Monthly record the total tons of both types of asphalt concrete produced, and calculate and record the most recent combined consecutive 12 month rolling total, in tons.
- E. Monthly record the total operating hours of the asphalt concrete plant's dryer along with a consecutive 12 month rolling total, in hours.
- F. Monthly record the quantity of each of the 3 types of fuel used to fire the asphalt concrete plant's dryer along with the overall monthly average MMBTU/hr. heat input rate.

If the last compliance test was conducted when the dryer was fired with new No. 2 virgin diesel fuel oil, then a daily cumulative total of the hours the dryer was fired with on-specification reclaimed fuel oil, since that last test shall also be recorded until the 400th hour is recorded. (see Specific Condition No. 19)

Specific Condition No. 15 continued:

If the last compliance test was conducted when the dryer was fired with natural gas, then a daily cumulative total of the hours the dryer was fired with new No. 2 virgin diesel fuel oil and on-specification reclaimed No. 5 fuel, since that last compliance test shall also be recorded until the 400th hour is recorded. (see Specific Condition No. 19)

- G. Monthly record the quantity of the fuel used to fire the hot oil heater.
- H. Monthly record the total usage of all fuel oil combined in the asphalt plant's dryer and the hot oil heater.
- I. Monthly record the most recent consecutive 12 month rolling total usage of all fuel oil combined in the asphalt plant's dryer and hot oil heater.

PERMITTING NOTE: Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 5 years and made available to the Department upon request [Rules 62-4.070(3) and 62-210.300(3)(c)1.g., F.A.C.].

16. Test the asphalt concrete plant dryer's baghouse exhaust for particulates and visible emissions annually within 60 days prior to February 15. The emission test reports shall be submitted within 45 days of testing to the Air Compliance Section of this office and the Pinellas County Department of Environmental Management, Air Quality Division. [40 CFR 60.8; Rules 62-297.310(7)(a) and 62-297.310(8)(b), F.A.C.]

17. Compliance with the emission limitations of Specific Condition No. 9.A. shall be determined using EPA Methods 1, 2, 3, 4, and 5 or 5A. Compliance with the visible emissions limitations of Specific Condition Nos. 9.B. and 10 (if required) shall be determined using EPA Method 9. These test methods are contained in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-297, F.A.C. Note the following:

- A. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A.
- B. The visible emissions compliance test for the dryer baghouse shall be a minimum of 30 minutes in duration.
- C. If a special visible emissions compliance test for the liquid asphalt heater is requested by the Department, the test shall be at least 30 minutes in duration.  
[40 CFR 60.8, 40 CFR 60.11, Rules 62-210.300(3)(c)1.i. and 62-297, F.A.C.]

PERMITTEE:

Overstreet Paving Company, Inc.

Permit No.: 1030026-005-AO

Project: Asphalt Concrete Plant  
No. 2

18. Pursuant to Rules 62-297.310(2) and 62-4.070(3), F.A.C., this plant shall comply with all of the following:

- A. Testing of the asphalt concrete plant dryer's baghouse shall be conducted within 90-100% of the maximum permitted process rate of 250 tons/hr. A compliance test submitted at a rate less than 90% of the maximum permitted rate will automatically constitute an amended permitted material processing rate at that lesser rate plus 10%. Within 30 days of that lower amended rate being exceeded, by more than 10% a new compliance test shall be conducted at no less than that higher operational rate. The new test results shall be submitted to the Pinellas County Department of Environmental Management, Air Quality Division within 45 days of testing. Acceptance to the test by the Department will automatically constitute an amended permit at the higher test rate plus 10%, but in no case shall the maximum permitted material processing rate of 250 tons/hr. be exceeded. [Rules 62-297.310(2) and 62-297.310(8), F.A.C.]
- B. A compliance test submitted when the dryer is fired with natural gas will automatically constitute an amended permit to allow the dryer to be only fired with natural gas and up to 400 hours of firing fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with fuel oil, new compliance tests shall be conducted with the dryer being fired with fuel oil.
- C. A compliance test submitted when the dryer is fired with a new No. 2 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with new No. 2 fuel oil or natural gas and up to 400 hours of firing on-specification reclaimed No. 5 fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with on-specification reclaimed No. 5 fuel oil, new compliance tests shall be conducted with the dryer being fired with on-specification reclaimed No. 5 fuel oil.
- D. A compliance test submitted when the dryer is fired with on-specification reclaimed No. 5 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with on-specification reclaimed No. 5 fuel oil, new No. 2 virgin diesel fuel oil, or natural gas.
- E. Since the Department has determined processing only conventional materials has the greatest potential to generate emissions vs. RAP, a compliance test submitted when processing RAP shall limit the plant to processing only RAP. If the plant is so limited, within 30 days upon processing virgin materials (conventional hot mix asphalt), new compliance tests (particulate & visible emissions) for the dryer's baghouse shall be conducted using only virgin materials. A compliance test submitted when processing only virgin materials shall also allow the plant to process RAP.

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

Specific Condition No. 18 continued:

F. Failure to submit the following with any compliance test report for the test period may invalidate the test(s):

1. Production rate of hot mix asphalt concrete in tons/hr.  
Be sure to include a statement indicating whether virgin materials or RAP was used.
2. Type of fuel used.
3. Fuel oil analysis of the sulfur content of the fuel oil used..
4. Used fuel oil analysis to document compliance with the on-specification used oil limits, if on-specification reclaimed fuel oil was used to fire the dryer.
5. A copy of the records for the month the test was conducted as required by Specific Condition No. 16.

[Rules 62-4.070(3) and 62-297.310, F.A.C.]

19. The Caterpillar, Autopulse II, Model APL-720 baghouse system shall be operated and maintained in accordance with the operation & Maintenance (O&M) Plan that was submitted as part of the permit renewal application received on 8/27/90, or a revised plan approved by the Pinellas County AQD. The O&M documentation logs shall be maintained for a minimum of the most recent two years and be made available for inspection upon request.  
[Pinellas County Code, Section 58-128]

EMISSION UNIT No. 003

20. The recycled asphalt or concrete (RAP) crushing unit is subject to the requirements of 40 CFR 60, Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants and the general provisions of 40 CFR 60, Subpart A, where applicable, which are adopted by reference in Rule 62-204.800(7), F.A.C.

21. The maximum material processing rate of the RAP crushing unit shall not exceed 90 tons/hr. (daily average) [construction permit application received 7/8/99]

22. The hours of operation of the RAP crushing unit shall not exceed 4,000 hours per any consecutive 12 month period. [construction permit application received 7/8/99]

23. EMISSION SOURCES SUBJECT TO 40 CFR 60, SUBPART 000: The affected emission sources identified below are subject to the following visible emissions limit set forth in 40 CFR 60, Subpart 000, except as noted in Specific Condition No. 23.C.

A. Fugitive particulate matter emissions shall not be greater than 10% opacity from any transfer point on the conveyor belts.

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

Specific Condition No. 23 continued:

- B. Fugitive particulate matter emissions shall not be greater than 15% opacity from the following:
1. Screen's oversize conveyor belt to Grinder.
  2. Grinder to Grinder's exit conveyor belt.
- C. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of Specific Condition No. 23.A. or B.  
[40 CFR 60.672]

24. In order to document continuing compliance with Specific Condition Nos. 21 and 22, the permittee shall comply with the following record keeping requirements:

Daily Record

- A. The hours of operation of the RAP crushing unit.
- B. The quantity of material processed, in tons.
- C. The daily average material processing rate, in tons/hr.

Monthly Record

- D. The month's total amount of material processed, in tons.
- E. The most recent consecutive 12 month period total of material processed, in tons.
- F. The month's total hours of operation of the RAP crushing unit.
- G. The most recent consecutive 12 month period total operating hours of the RAP crushing unit.

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 5 years and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

25. Test each affected source as shown in Specific Condition No. 23 for visible emissions annually within 60 days of March 24. The emission test reports shall be submitted within 45 days of testing to the Air Compliance Section of the Department's Southwest District Office and the Pinellas County Department of Environmental Management, Air Quality Division. The testing period for the RAP crushing unit does not have to be conducted simultaneously with the testing period for Emission Unit No. 001. [40 CFR 60.8; Rules 62-297.310(7)(a) and 62-297.310(8)(b), F.A.C.]

26. Visible emissions testing for the process emission sources identified in Specific Condition No. 23 shall be conducted using the procedures of 40 CFR 60.11 and EPA Method 9, with the following additions:

- A. The minimum distance between the observer and the emission source shall be 15 feet.
- B. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- C. For affected facilities 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.
- D. The visible emission compliance tests shall be at least 30 minutes in duration.
- E. The permittee may use the following as alternatives to the reference methods and procedures specified in this section:
  - 1. If emissions from two or more sources continuously interfere so that the opacity of fugitive emissions from an individual affected source cannot be read, either of the following procedures may be used:
    - a. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected sources contributing to the emissions stream.
    - b. Separate the emissions so that the opacity of emissions from each affected source can be read.

[40 CFR 60.675 and Rule 62-297.310(4), F.A.C.]

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

27. Testing of each affected source shall be conducted within 90-100% of the maximum permitted material processing rate of 90 tons/hr. A compliance test submitted at a rate less than 90% of the maximum permitted rate will automatically constitute an amended permitted material processing rate at that lesser rate plus 10%. Within 30 days of that lower amended rate being exceeded by more than 10% a new compliance test shall be conducted at no less than that higher rate. The new test results shall be submitted to the Pinellas County Department of Environmental Management, Air Quality Division within 45 days of testing. Acceptance to the test by the Department will automatically constitute an amended permit at the higher test rate plus 10%, but in no case shall the maximum permitted material processing rate of 90 tons/hr. be exceeded. [Rules 62-297.310(2) and 62-297.310(8), F.A.C.]

28. Failure to submit the following with any compliance test report for the test period may invalidate the test:

- A. The material processing rate, in tons/hr.
  - B. A copy of the daily & monthly records required by Specific Condition No. 25 for the month the test was conducted.
- [Rule 62-4-070(3), F.A.C.]

#### SPECIFIC FACILITY REQUIREMENTS

29. The permittee shall notify the Pinellas County Department of Environmental Management, Air Quality Division 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.]

30. 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 5 years. [Rule 62-204.800(7), F.A.C. and 40 CFR 60.7(b)]

31. Submit to the Air Compliance Section of this office and the Pinellas County Department of Environmental Management, Air Quality Division for this facility, each calendar year and on or before March 1, an annual operating report [DEP Form 62-210.900(5)] for the preceding calendar year pursuant to Rule 62-210.370(3), F.A.C. [Rule 62-210.300(3)(c)1.h., F.A.C.]

PERMITTEE: Permit No.: 1030026-005-AO  
Overstreet Paving Company, Inc. Project: Asphalt Concrete Plant  
No. 2

32. The permittee shall submit a minimum of two short form applications (DEP Form No. 62-210.900(4)) for the renewal of this operating permit to the Air Permitting Section of the Department's Southwest District Office and one copy to the Pinellas County Department of Environmental Management, Air Quality Division at least 60 days prior to the expiration date of this permit. [Rule 62-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

---

W.C. Thomas, P.E.  
District Air Program  
Administrator  
Southwest District