



Charlie Crist
Governor

Ana M. Viamonte Ros, M.D., M.P.H.
State Surgeon General

APRIL 23, 2008
ELECTRONIC EMAIL
JMOORE@RANGERCONSTRUCTION.COM

NOTICE OF AIR POLLUTION OPERATION PERMIT

PERMITTEE:

Ranger Construction Industries, Inc.
P.O. Box 14589
Fort Pierce, Florida 34979-4589

Air Permit No.: 0990087-009-AO
PALM BEACH COUNTY, FLORIDA
Project: Operating Permit Modification

Authorized Representative:

Ms. Jo Moore, Environmental Manager

Dear Ms. Moore:

Enclosed is Air Permit No. 0990087-009-AO for the operating permit modification of a source of air pollution located in Palm Beach County. This permit is issued pursuant to Chapter 403.087 of the Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code. Any party to this Order (Permit) has the right to seek judicial review pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure with the Health Department at the address listed below 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 Order (Permit) is filed with the Clerk of the Health Department.

Executed in West Palm Beach, Florida.

PALM BEACH COUNTY HEALTH DEPARTMENT


James E. Stormer, QEP, Environmental Administrator
Air Pollution Control Section
Division of Environmental Health and Engineering

If you have any questions, contact:
Laxmana Tallam, Air Permit Engineer
Air Pollution Control Section
Palm Beach County Health Department
P.O. Box 29 (901 Evernia Street)
West Palm Beach, Florida, 33402-0029



Post Office Box 29 / 901 Evernia Street, West Palm Beach, FL 33402

Jean M. Malecki, M.D., MPH, FACPM, Director

www.pbchd.com

CERTIFICATE OF SERVICE

The undersigned duly designated agency clerk hereby certifies that the Notice of Permit and the Final Permit were sent by electronically before the close of business on 04/23/2008 to the permittee. In addition, the undersigned duly designated deputy agency clerk hereby certifies that *copies* of these documents were sent by electronically on the same date to the following persons:

Mr. Lee Hoefert, P.E.,

Southeast District Office, FDEP
400 North Congress Avenue
West Palm Beach, FL 33401.
Email: Lee.Hoefert@dep.state.fl.us

Bruno Ferraro

Grove Scientific & Engineering Co.
6140 Edgewater Drive, Suite F
Orlando FL 32810
Email: bruno@grovescientific.com

James T. Show, P.E.

Grove Scientific & Engineering Co.
6140 Edgewater Drive, Suite F
Orlando, FL 32810
Email: JSHOW@CFL.RR.COM

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



(Clerk)

04/23/2008

(Date)



Charlie Crist
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Ana M. Viamonte Ros, M.D., M.P.H.
State Surgeon General

AIR POLLUTION OPERATION PERMIT

ISSUED TO:

Permittee:

Ranger Construction Industries, Inc
P.O. Box 14589
Fort Pierce, Florida 34979-4589

ARMS No.:	0990087
Permit No.:	0990087-009-AO
Issued:	04/23/2008
Expires:	04/22/2013

Authorized Representative:

Jo Moore, Environmental Director

Note: A renewal application must be submitted by 02/21/2013

Located At:

Ranger Construction Industries, Inc

606 95th Avenue North
Royal Palm Beach, Florida 33411

Directions: 1/3 mile north of Southern Boulevard on 95th Avenue
UTM: Zone 17; 579.9 km E; 2951.7 km N; 26° 41' 07" W, 80° 11' 48" N

Description: Hot Mix Asphalt Plant [SIC: 2951 – Asphalt Paving Mixtures and Blocks.]
Project: Permit Modification to increase fuel consumption and asphalt production

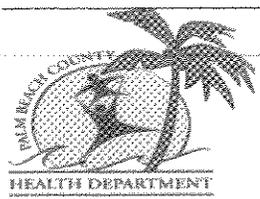
STATEMENT OF BASIS:

The Palm Beach County Health Department (Health Department) issues this permit under the provisions of Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4 through 62-297 the Florida Administrative Code (F.A.C.). The Florida Department of Environmental Protection (DEP) has permitting jurisdiction under Chapter 403.087, F.S. However, in accordance with Section 403.182, F.S., the DEP recognizes the Health Department as the approved local air pollution control program in Palm Beach County. As such, the DEP and the Health Department have entered into a Specific Operating Agreement that authorizes the Health Department to issue or deny permits for this type of air pollution source located in Palm Beach County. The above named permittee is authorized to operate the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Health Department.

ISSUED BY:

Executed in West Palm Beach, Florida
PALM BEACH COUNTY HEALTH DEPARTMENT

James E. Stormer, Q.E.P., Environmental Administrator
Air Pollution Control Section
Division of Environmental Health and Engineering



The Palm Beach County Health Department
Post Office Box 29 / 901 Evernia Street, West Palm Beach, FL. 33402
Jean M. Malecki, M.D., MPH, FACPM, Director
www.pbchd.com

SECTION I. SUMMARY INFORMATION
PERMIT HISTORY

03/11/2008: *Permit Application received.*
 04/02/2008: *Correct Application fee received.*

PERMIT CONTENT

Section I: Summary Information
 Section II: Facility-Wide Specific Conditions
 Section III: Emissions Unit Specific Conditions
 Section IV: Appendices
 Appendix A: General Permit Conditions
 Appendix B: Terminology
 Appendix C: Test Procedures
 Appendix D: NSPS Requirements
 Appendix E: Used Oil Quality Control Assurance Plan

REGULATORY CLASSIFICATION

PROGRAM	PROGRAM DESCRIPTION	CLASSIFICATION
PSD	Prevention of Significant Deterioration Rule 62-212.400, F.A.C.	New Source Synthetic Minor (Sulfur Dioxide)
NSR-NAA	New Source Review for Nonattainment Areas Rule 62-212.500, F.A.C.	Not Applicable
NSPS	New Source Performance Standards 40 CFR 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities	Applicable
NESHAP	National Emission Standards for Hazardous Air Pollutants 40 CFR Parts 61 and 63	Existing Source Natural Minor
Title V Operating Permit	Federal Operating Permit Program Rule 62-213, F.A.C.	Synthetic Minor (Sulfur Dioxide)

EMISSIONS UNIT SUMMARY

EMISSIONS UNIT No.	EMISSIONS UNIT DESCRIPTION
001	250 TPH Asphalt Plant, Cyclone (Permanently Shut Down)
002	N/A
003	250 TPH Asphalt Plant, Drum Mix (Permanently Shut Down)
004	250 TPH Asphalt Plant, Double Drum Dryer
005	1.412 mmBTU/hour Asphalt cement heater
006	Materials Handling & Storage Operations including the storage piles, storage bins, conveyors, and transfer operations.
007	Organic Liquid Storage Tanks: Two 30,000 gallon asphalt tanks, a 20,000 gallon asphalt tank, a 20,000 gallon No. 5 fuel oil tank, and a 400 gallon No. 2 fuel oil tank.

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

ADMINISTRATIVE REQUIREMENTS

- II.1 Regulating Agencies: All applications, reports, tests, and notifications shall be submitted to the Air Pollution Control Section of the Palm Beach County Health Department (Health Department) at P.O. Box 29 (901 Evernia Street), West Palm Beach, Florida, 33402-0029, and phone number (561) 355-3136.
- II.2 General Permit Conditions: The owner and operators shall be aware of, and operate under, the attached General Permit Conditions listed in *Appendix A* of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. **[Rule 62-4.160, F.A.C.]**
- II.3 Citation Format: The format for citing applicable regulations is provided in *Appendix B* of this permit.
- II.4 Application for Operation Permit: The permittee shall apply for a renewal permit at least 60 days prior to the expiration of this operation permit. The application shall include: the Application Form [*DEP Form No. 62-210.900(4)*]; the correct application processing fee; all required test reports; and a summary of any changes or substitutions to the original equipment, processes, fuels, controls, etc. When the renewal application is timely and sufficient, the existing permit shall remain in effect until final action is taken by the Health Department. **[Rules 62-4.090 and 62-210.900, F.A.C.]**
- II.5 Applicable Regulations: This facility is subject to the following regulations: Chapters 62-4, 62-210, 62-212, 62-296, and 62-297, F.A.C. Specifically, the emissions units are subject to: *Cite Rule Number and Name*. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations. **[Rule 62-210.300(2), F.A.C. and the SOA]**

EMISSION LIMITING AND PERFORMANCE STANDARDS

- II.6 General VOC Standards: The owner or operator shall not store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents without applying known and existing vapor emission control devices or systems. This includes: **[Rule 62-296.320(1), F.A.C.]**
- Regular inspection and maintenance of piping, valves, flanges, tanks, and containers used for storage and transfer of organic liquids in order to minimize fugitive VOC emissions.
 - When not in use, directing solvent-containing materials to containers that prevent evaporation.
- II.7 Objectionable Odors: 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.]**
- Note: An objectionable odor is defined as 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. [Rule 62-210.200(200), F.A.C.]*
- II.8 General Visible Emissions Standard: Unless otherwise specified by permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere any air pollutants from new, or existing emissions units, the opacity of which is equal to or greater than 20 percent. **[Rule 62-296.320(4)(b), F.A.C.]**
- II.9 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: **[Rule 62-296.320(4)(c), F.A.C.]**
- 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 reentrainment, 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.

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.

Note: Facilities that cause frequent, valid complaints will be required by the Health Department to take these or other reasonable precautions. In determining what constitutes reasonable precautions for a particular facility, the Health Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

II.10 Facility-Wide Operating Restrictions: The facility is subject to the following operating restrictions in any 12-month rolling period. [Permit No. 0990087-008-AC]

- (a) **Fuel Oil Usage shall not exceed 1,800,000 gallons.**
- (b) **Asphalt Concrete Production shall not exceed 750,000 tons.**
- (c) **Hours of Operation shall not exceed 4,000 hours.**

{Permitting Note: Based on the above restrictions, the potential emissions of SO₂ from the facility are 41.63 tons per year.}

OPERATION AND MAINTENANCE REQUIREMENTS

II.11 Circumvention: The owner or operator shall not circumvent air pollution control equipment/methods or allow the emission of air pollutants without the equipment/methods operating properly. [Rule 62-210.650, F.A.C.]

II.12 Excess Emissions Requirements [Rule 62-210.700, F.A.C.]

- (a) Excess emissions resulting from start-up, shutdown or malfunction of these emissions units shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two hours in any 24 hour period unless specifically authorized by the Health Department for longer duration. **[Rule 62-210.700(1), F.A.C.]**
- (b) 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 start-up, shutdown, or malfunction are prohibited. **[Rule 62-210.700(4), F.A.C.]**
- (c) In case of excess emissions resulting from malfunctions, the owner or operator shall notify the Air Pollution Control Section of the Palm Beach County Health Department within one working day of: the nature, extent, and duration of the excess emissions; the cause of the problem; and the corrective actions being taken to prevent recurrence. **[Rule 62-210.700(6), F.A.C.]**

COMPLIANCE MONITORING REQUIREMENTS

II.13 Duration: Unless otherwise specified, all records and reports required by this permit shall be kept for at least 3 years from the date the information was recorded. [Rule 62-4.160(14)(b), F.A.C.]

II.14 Test Procedures shall meet all applicable requirements of the Chapter 62-297, F.A.C. See *Appendix C* of this permit for a summary of these requirements. [Rule 62-297.100, F.A.C.]

II.15 Operational Rate During Testing: Unless otherwise stated in the applicable emission limiting standard for a rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

II.16 Stack Testing Facilities: The owner or operator shall maintain permanent stack testing facilities in accordance with **Rule 62-297.310(6), F.A.C. These requirements are summarized in *Appendix C* of this permit.**

II.17 Test Notification: The owner or operator shall notify the Health Department, in writing, at least 15 days prior to the date on which each formal compliance test is to begin, of the test date, the expected test time, the location of the test,

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

the facility contact person responsible for coordinating the test, and the person or company conducting test. The 15 day notification requirement may be waived at the discretion of the Health Department. Likewise, if circumstances prevent testing during the test window specified for the emissions unit, the owner or operator may request an alternate test date before the expiration of this window. **[Rule 62-297.310(7)(a)9., F.A.C.]**

- II.18 **Special Compliance Tests**: When the Health 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 DEP rule or permit 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 Health Department. **[Rule 62-297.310(7)(b), F.A.C.]**

REPORTS REQUIRED

- II.19 **Annual Operations Report**: Before March 1st of each year, the owner or operator shall submit an Annual Operations Report [*DEP Form No. 62-210.900(5)*] to the Health Department which summarizes operations for the previous calendar year. **[Rule 62-210.370(3), F.A.C.]**
- II.20 **Excess Emissions Report**: If excess emissions occur, the owner or operator shall notify the Air Compliance Section of the Health Department within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Health Department may request a written summary report of the incident. **[Rules 62-4.130 and 62-210.700(6), F.A.C.]**
- II.21 **Emission Compliance Stack Test Reports**: For each required emissions compliance test, a report indicating the results of the test shall be filed with the Health Department as soon as practical, but no later than 45 days after the last sampling run is completed. The report shall provide sufficient detail on the tested emissions unit and the procedures used to allow the Health Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in **Rule 62-297.310(8)(c), F.A.C.** and summarized in *Appendix C* of this permit. Additional report information may be specified for a given group of emissions units in this permit. **[Rule 62-297.310(8), F.A.C.]**

WASTE REQUIREMENTS

- II.22 **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. This air pollution permit does not preclude the permittee from securing any other types of required permits, licenses, or certifications.

SECTION III. A. EMISSIONS UNIT SPECIFIC CONDITIONS

GROUP A. This portion of the permit addresses the following emissions unit:

EMISSION UNIT No.	EMISSIONS UNIT DESCRIPTION
004	250 TPH Asphalt Plant, Double Drum Dryer (Astec Industries Model No. DDC-946C; S/N 92-128) firing fuel oil grade No. 5 or better containing no more than 1.0% sulfur by weight. Particulate emissions are controlled by an Astec Industries Model No. SBHT-79 baghouse.
<p><i>Permitting Note: The emissions unit is subject to standards of 40 CFR 60 Subpart I, Standards of Performance for Hot Mix Asphalt Facilities (adopted by reference in Rule 62-204.800, F.A.C.)</i></p>	

III.A.1 EMISSION LIMITING STANDARDS

- III.A.1.1 Visible Emissions: The owner or operator shall not cause, let, permit, suffer or allow to be discharged into the atmosphere any air pollutants from new, or existing emissions units, the opacity of which is equal to or greater than 20 percent based on the highest 6-minute average. **[40 CFR 60.92(a)(2), Rules 62-204.800, F.A.C. and 62-210.300(3)(c)2.f. F.A.C.]**
- III.A.1.2 Particulate Matter (PM): Particulate emissions from the dryer exhaust shall not exceed 0.04 grains per dry standard cubic foot (90 mg/dscm) of flue gas. **[40 CFR 60.92(a)(1), Rules 62-204.800, F.A.C., and 62-210.300(3)(c)1,d, F.A.C.]**

III.A.2 OPERATING RESTRICTIONS

- III.A.2.1 Hours of Operation: The permittee is authorized to operate the dryer 24 hours per day, 7 days per week, but no more than 4,000 hours per year (12-month rolling total). **[permit No. 0990087-008-AC]**
- III.A.2.2 Fuel Oils: The permittee is authorized to fire the following fuels, alone or in combination, within the dryer:
 - (a) Fuel Oil Grades 2 through 5.
 - (b) On-Specification Used Fuel Oil.

[Permit No. 0990087-008-AC]

Note: The use of on-specification used oil is authorized provided the permittee receives a vendor certificate for each shipment. The analysis shall include sulfur, arsenic, cadmium, chromium, lead and polychlorinated biphenyls (PCB) contents, heat content, total halogens, and flash point. Vendor certification shall not be the sole basis of compliance with the sulfur content limitation of this permit.

- III.A.2.3 Sulfur Content: The maximum sulfur content of any fuel oil fired in the dryer shall not exceed 1.0 percent by weight (As-Fired Limitation). **[Rule 62-210.300(4)(c), F.A.C.]**
- III.A.2.4 Stack Height: The permittee shall maintain a minimum stack height of 14.2 meters (44' 6") above the ground level. **[Permit No. 0990087-008-AC]**

III.A.3 COMPLIANCE/PERIODIC MONITORING REQUIREMENTS

- III.A.3.1 Visible Emissions: The permittee shall have a formal compliance test conducted on the dryer exhaust each federal fiscal year (October 1 – September 30) to demonstrate compliance with the opacity limitation. **[Rule 62-297.310(7)(a)4.a, F.A.C.]** The test shall meet the following requirements:
 - (a) The permittee shall use EPA Method 9, *Visual Determination of the Opacity of Emissions from Stationary Sources*, 40 CFR 60, Appendix A. **[40 CFR 60.93(b)(2)]**
 - (b) The observation period of the EPA Method 9 shall be at least thirty (30) minutes in duration. **[Rule 62-297.310(4)(a)2, F.A.C.]**
- III.A.3.2 Particulate Matter: The permittee shall have a formal compliance test conducted on the dryer exhaust each federal fiscal year (October 1 – September 30) to demonstrate compliance with the grain loading and mass emission limitations. **[Rule 62-297.310(7)(a)4.a, F.A.C.]**

SECTION III. A. EMISSIONS UNIT SPECIFIC CONDITIONS

The test shall meet the following requirements:

- (a) The permittee shall use EPA Method 5, *Determination of Particulate Emissions from Stationary Sources*, 40 CFR 60, Appendix A. **[40 CFR 60.93(b)(1)]**
- (b) Each test shall consist of 3 separate runs with sample times and volumes of at least 60 minutes and 31.8 dry standard cubic feet per run. **[40 CFR 60.93(b)(1)]**

III.A.3.3 Fuel Oil Sulfur Content: The permittee shall sample and monitor fuel oil sulfur content in accordance with the "Used Oil Quality Control Assurance Plan" and during each federal fiscal year (October 1 – September 30) collect a sample of the as-fired fuel oil in accordance with the following:

- (a) Annual sampling shall be conducted simultaneously with the annual particulate matter testing and consist of three (3) samples, one per test run, collected from an in-line sampler.
- (b) Test samples shall be mixed into a single composite sample with a split sample provided to the Health Department within 24 hours of collection.
- (c) The samples shall be analyzed for sulfur content in accordance with the following ASTM Method(s), as appropriate:
 - (i) ASTM D 4057-88. Standard Practice for Manual Sampling of Petroleum and Petroleum Products.
 - (ii) ASTM D 129-91. Standard Test Method for Sulfur in Petroleum Products (General Bomb Method).
 - (iii) ASTM D 2622-94. Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry.
 - (iv) ASTM D 4294-90. Standard Test Method for Sulfur in Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy.

[Rule 62-297.310(7)(b), F.A.C.]

III.A.3.4 Operating Records: The permittee shall maintain the following records for at least three (3) years:

- (a) Used Oil Quality Control Assurance Plan: The permittee shall maintain records and sampling results in accordance with Appendix E of this permit. The permittee shall notify the Health Department within 24-hours of identifying a fuel oil shipment with a sulfur content varying by more than 0.10 percent by weight from the vendor's certification.
- (b) Daily Records: The permittee shall maintain daily records on the following:
 - Day, Month and Year.
 - Hours of Operation of the Dryer.
 - Total Tons of Asphalt Produced.
 - Total Tons of Aggregate, RAP, and Asphaltic Cement Used.
 - Total Gallons of Fuel Oil and/or On-Specification Used Oil fired.
- (c) Monthly Records: The permittee shall maintain monthly records on the following:
 - Month and Year.
 - Hours of Operation of the Dryer and the 12-month rolling total.
 - Total Tons of Asphalt Produced and the 12-month rolling average.
 - Total Gallons of Fuel Oil/On-Specification Used Oil Fired and the 12-month rolling average.
 - Vendor Certificates on Fuel Oil/On-Specification Used Oil.
 - Fuel Oil Sampling results in accordance with the "Used Oil Quality Control assurance Plan."

[Permit No. 0990087-008-AC]

SECTION III. B. EMISSIONS UNIT SPECIFIC CONDITIONS

GROUP B. This portion of the permit addresses the following emissions unit:

EMISSION UNIT No.	EMISSIONS UNIT DESCRIPTION
005	1.412 mmBTU/hour Asphalt cement heater (Heatec Model No. HC-120) firing No. 2 fuel oil or better containing no more than 0.5% sulfur by weight.

III.B.1 OPERATING RESTRICTIONS

- III.B.1.1 Hours of Operation: The operating hours of the heater are not restricted. The permittee can operate 24 hours per day, 7 days per week, and can operate 8,760 hours per year.
[Permit No. 0990087-008-AC]
- III.B.1.2 Fuel Oils: The permittee is authorized to fire only No. 2 fuel oil in the heater.
[Permit No. 0990087-008-AC]
- III.B.1.3 Sulfur Content: Maximum sulfur content of any fuel fired within the heater shall not exceed 0.5 percent by weight.
[Permit No. 0990087-008-AC]

III.B.2 COMPLIANCE/PERIODIC MONITORING REQUIREMENTS

- III.B.2.1 Fuel Oil Sulfur Content: The permittee shall collect a sample of the as-fired fuel oil during each federal fiscal year (October 1 – September 30) and analyze for fuel oil sulfur content in accordance with the following methods:
 - (a) ASTM D 4057-88. Standard Practice for Manual Sampling of Petroleum and Petroleum Products.
 - (b) ASTM D 129-91. Standard Test Method for Sulfur in Petroleum Products (General Bomb Method).
 - (c) ASTM D 2622-94. Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry.
 - (d) ASTM D 4294-90. Standard Test Method for Sulfur in Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy.**[Rule 62-297.310(7)(b), F.A.C.]**
- III.B.2.2 Monthly Records: The permittee shall maintain monthly records for at least three (3) years on the following:
 - Month.
 - Total Gallons of No. 2 Fuel Oil Fired in the Asphalt Cement Heater and the 12-month rolling total.
 - Vendor Certificates on No. 2 Fuel Oil.
 - No. 2 Fuel Oil Quantities Received.**[Permit No. 0990087-008-AC]**

SECTION III. B. EMISSIONS UNIT SPECIFIC CONDITIONS

GROUP C. This portion of the permit addresses the following emissions unit:

EMISSION UNIT No.	EMISSIONS UNIT DESCRIPTION
006	Materials Handling & Storage Operations including the storage piles, storage bins, conveyors, and transfer operations.

III.C.1 OPERATING RESTRICTIONS

III.C.1.1 Hours of Operation: The permittee is authorized to operate the materials handling and storage operations 24 hours per day, 7 days per week, and 52 weeks per year. **[Permit No. 0990087-008-AC]**

III.C.1.2 Unconfined Emissions of Particulate Matter: The permittee shall not 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: **[Rule 62-296.320(4)(c), F.A.C.]**

- 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 reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.

Note: Facilities that cause frequent, valid complaints will be required by the Health Department to take these or other reasonable precautions. In determining what constitutes reasonable precautions for a particular facility, the Health Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

SECTION III. B. EMISSIONS UNIT SPECIFIC CONDITIONS

GROUP D. This portion of the permit addresses the following group of emissions units:

EMISSION UNIT No.	EMISSIONS UNIT DESCRIPTION
007	FIVE Organic Liquid Storage Tanks; including two (2) 30,000 gallon asphalt tanks, one (1) 20,000 gallon asphalt tank, one 20,000 gallon No. 5 fuel oil tank, and one (1) 400 gallon No. 2 fuel oil tank.

III.D.1 OPERATING RESTRICTIONS

III.D.1.1. Hours of Operation: The permittee is authorized to operate the organic liquid storage tanks 24 hours per day, 7 days per week, and 52 weeks per year. **[Permit No. 0990087-008-AC]**

III.D.1.2. Fuel Oils: The permittee is authorized to store and handle the following fuels:

- (a) Fuel Oil Grades 2 through 5.
- (b) On-Specification Used Fuel Oil.
- (c) Asphaltic Cement.

[Permit No. 0990087-008-AC]

III.D.2 COMPLIANCE /PERIODIC MONITORING REQUIREMENTS

III.D.2.1. Operating Records: The permittee shall maintain the following monthly records for at least three (3) years::

- Month.
- Throughput for each tank on a 12-month rolling total.
- Vendor Certificates on Fuel Oil/On-Specification Used Oil
- Fuel Oil/On-Specification Used Oil Quantities Received. **[Permit No. 0990087-008-AC]**

III.D.2.2. General VOC Standards: The owner or operator shall not store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents without applying known and existing vapor emission control devices or systems. This includes: **[Rule 62-296.320(1), F.A.C.]**

- Monthly inspection, maintenance and repair of the oil storage tanks and piping in order to minimize spills and leaks of volatile organic liquids.
- All spills and leaks shall be cleaned up and repaired within 24 hours of identification.

[Permit No. 0990087-008-AC]

LIST OF APPENDICES

APPENDIX	DESCRIPTION
A	General Permit Conditions
B	Terminology
C	Test Procedures
D	NSPS, Subpart I, Hot Mix Asphalt Plants
E	Used Oil Quality Control Assurance Plan

APPENDIX A
GENERAL CONDITIONS [F.A.C. 62-4.160]

- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval or any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- (a) Have access to and copy and records that must be kept under the conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- (a) A description of and cause of non-compliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

APPENDIX A
GENERAL CONDITIONS [F.A.C. 62-4.160]

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- (a) Determination of Best Available Control Technology (BACT), *not applicable*.
 - (b) Determination of Prevention of Significant Deterioration (PSD), *not applicable*.
 - (c) Compliance with New Source Performance Standards, *applicable*.
- G.14 The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 - 1. The date, exact place, and time of sampling or measurements;
 - 2. The person responsible for performing the sampling or measurements;
 - 3. The dates analyses were performed;
 - 4. The person responsible for performing the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX B TERMINOLOGY

The following words and phrases when used in this chapter shall, unless content clearly indicates otherwise, have the following meanings:

62-296.200 DEFINITIONS

- (56) Department: The State of Florida Department of Environmental Protection.
- (59) Emission: The discharge or release into the atmosphere of one or more air pollutants.
- (60) Emission Limiting Standard or Emission Standard or Emission Limitation or Performance Standard: Any restriction established in or pursuant to a regulation adopted by the Department which limits the quantity, rate, concentration or opacity of any pollutant released, allowed to escape or emitted, whether intentionally or unintentionally, into the atmosphere, including any restriction which prescribes equipment, sets fuel specifications, or prescribes operation or maintenance procedures for an emissions unit to assure emission reduction or control.
- (61) Emission Point or Discharge Point: The point at which an air pollutant first enters the atmosphere.
- (62) Emissions Unit: Any part or activity of a facility that emits or has the potential to emit any air pollutant.
- (65) Environmental Protection Agency or EPA: The United States Environmental Protection Agency.
- (66) Excess Emissions: Emissions of pollutants in excess of those allowed by any applicable rule of the Department or by a permit issued pursuant to any such rule or Chapter 62-4, F.A.C. The term applies only to conditions which occur during startup, shutdown, sootblowing, load changing or malfunction.
- (72) Facility: All of the emissions units which are located on one or more contiguous or adjacent properties and which are under the control of the same person (or persons under common control).
- (107) Malfunction: Any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.
- (123) Objectionable Odor: 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.
- (126) Opacity: A condition which renders material partially or wholly impervious to rays of light causing obstruction of observer's view.
- (131) Owner or Operator: Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.
- (159) Secretary: The Secretary of the Department of Environmental Protection.
- (161) Shutdown: The cessation of the operation of an emissions unit for any purpose.
- (171) Stack: A pipe, duct, chimney, or other functionally equivalent device that confines and conveys air pollutants from an emissions unit or group of emissions units into the atmosphere through an emission point designed to discharge air pollutants into the atmosphere, but not including flares.
- (174) Startup: The commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions.

**APPENDIX B
TERMINOLOGY**

- (192) Unconfined Emissions: Emissions which escape and become airborne from unenclosed operations or which are emitted into the atmosphere without being conducted through a stack.
- (199) Visible Emission: An emission greater than 5 percent opacity as measured by standard methods.

62-210.200 DEFINITIONS

Asphalt Concrete Plant or Hot Mix Asphalt Plant: Any facility that produces hot mix asphalt by heating and drying aggregate and mixing with asphalt cements.

ABBREVIATIONS:

°F: Degrees Fahrenheit

CFR: Code of Federal Regulations

DARM: Division of Air Resource Management, Florida Department of Environmental Protection

EPA: United States Environmental Protection Agency

F.A.C.: Florida Administrative Code

FDEP: Florida Department of Environmental Protection

F.S.: Florida Statutes

Health Unit: Palm Beach County Public Health Unit, Division of Environmental Science and Engineering

LAT: Latitude

LONG: Longitude

NSPS: New Source Performance Standards

PBCPHU: Palm Beach County Public Health Unit, Division of Environmental Science and Engineering

SOA: Palm Beach County Specific Operating Agreement

UTM: Universal Transverse Measurements

**APPENDIX B
TERMINOLOGY**

CITATION FORMAT

The following examples illustrate the methods used in this permit to abbreviate and cite the references of rules, regulations, guidance memorandums, ID numbers, and permit numbers.

Guidance Memorandums from the Bureau of Air Regulation, Florida Department of Environmental Protection:

Example: **[DARM-PER/GEN-12]** (*Refers to a specific, numbered guidance memorandum.*)

Florida Administrative Code (F.A.C.) Regulations:

Example: **[F.A.C. 62-4.070]**

Where: 62.....Title 62
62-4.Chapter 62-4
62-4.070.....Rule 62-4.070

Permit or Application File Numbers:

Example: 099-0095-001-AC
 099-0095-002-AO

Where: 099.....Number code identifying the facility is located and permitted by Palm Beach County
0095.....Facility Identification Number
AC.....Air Construction Permit
AO.....Air Operation Permit

Air Resource Management System (ARMS) Identification Number:

Example: ARMS ID No.: 099-0095

Where: 099.....Number code identifying the facility is located and permitted by Palm Beach County
0095.....Facility Identification Number

APPENDIX D
40 CFR 60.90, NSPS, SUBPART I, HOT MIX ASPHALT PLANTS

SUBPART I—STANDARDS OF PERFORMANCE FOR HOT MIX ASPHALT FACILITIES

§ 60.90 Applicability and designation of affected facility.

(a) The affected facility to which the provisions of this subpart apply is each hot mix asphalt facility. For the purpose of this subpart, a hot mix asphalt facility is comprised only of any combination of the following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.

(b) Any facility under paragraph (a) of this section that commences construction or modification after June 11, 1973, is subject to the requirements of this subpart.

[42 FR 37936, July 25, 1977, as amended at 51 FR 12325, Apr. 10, 1986]

§ 60.91 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) Hot mix asphalt facility means any facility, as described in § 60.90, used to manufacture hot mix asphalt by heating and drying aggregate and mixing with asphalt cements.

[51 FR 12325, Apr. 10, 1986]

§ 60.92 Standard for particulate matter.

(a) On and after the date on which the performance test required to be conducted by § 60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any affected facility any gases which:

- (1) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).
- (2) Exhibit 20 percent opacity, or greater.

[39 FR 9314, Mar. 8, 1974, as amended at 40 FR 46259, Oct. 6, 1975]

§ 60.93 Test methods and procedures.

(a) In conducting the performance tests required in § 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in § 60.8(b).

(b) The owner or operator shall determine compliance with the particulate matter standards in § 60.92 as follows:

- (1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
- (2) Method 9 and the procedures in § 60.11 shall be used to determine opacity.

[54 FR 6667, Feb. 14, 1989]

APPENDIX C
F.A.C. 62-297 SUMMARY OF STACK TESTING REQUIREMENTS

62-297.310 General Test Requirements.

The focal point of a compliance test is the stack or duct which vents process and/or combustion gases and air pollutants from an emissions unit into the ambient air.

- (1) For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct; and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured provided that three complete and separate determinations shall not be required if the Department determines that the process variables are not subject to variation during a compliance test, or if a determination is not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is 20% below the allowable emission limiting standards.
- (2) Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined below. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.
 - (a) Combustion Turbines. (Reserved)
 - (b) All Other Sources. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
 - (3) The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.

62-297.330 Applicable Test Procedures.

This section establishes required sampling times, minimum sample volumes and special test requirements, as applicable, for each category of emissions units for which an emission limiting standard is specified in or established pursuant to any of the air pollution rules of the Department.

- (1) Required Sampling Time.
 - (a) Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.
 - (b) Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple valued opacity standard. The opacity

APPENDIX C
F.A.C. 62-297 SUMMARY OF STACK TESTING REQUIREMENTS

test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

1. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
 2. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.340(3), F.A.C., Waiver of Compliance Test Requirement, shall be established on a case-by-case basis as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.
 3. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.
- (2) **Minimum Sample Volume.** Unless otherwise specified in the applicable rule the minimum sample volume per run shall be 25 dry standard cubic feet.
- (3) **Required Flow Rate Range.** For DEP Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.
- (4) **Calibration.** Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.330-1 (located at end of this Appendix).
- (5) **EPA Method 5.** When EPA Method 5 is required the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube.

62-297.345 Stack Sampling Facilities Provided by the Owner of an Air Pollution Point Source.

This section describes the minimum requirements for stack sampling facilities that are necessary to sample point sources. Sampling facilities include sampling ports, work platforms, access and electrical power. Sources must provide these facilities at their expense. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR 1910, Subparts D and E. A copy of this reference document is available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. and may be inspected at the Department's Tallahassee office.

- (1) **Permanent Test Facilities.** The owner or operator of a source that is required to conduct a compliance test, other than a visible emission test, on at least an annual basis, shall install and maintain permanent stack testing facilities.
- (2) **Temporary Facilities.** *(Omitted)*
- (3) **Test Facilities.**
 - (a) **Sampling Ports.**
 1. All sampling ports shall have a minimum inside diameter of 3 inches.
 2. The ports shall be capable of being sealed when not in use.
 3. Location of sampling ports.

APPENDIX C
F.A.C. 62-297 SUMMARY OF STACK TESTING REQUIREMENTS

- a. The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, construction or other flow disturbances.
 - b. For sources which do not comply with the criteria set forth in a. above, the source owner or operator shall demonstrate to the Department, within 12 months after the effective date of this rule, that sampling port locations for such source are not subject to flow disturbances which result in invalid test results. If the source cannot make such a demonstration to the Department's satisfaction, the Department, after full review of all data timely submitted by the source, shall specify appropriate sampling procedures or port locations in the source's operating permit.
4. For sources for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For sources for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.
 5. On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. For sources not subject to Rule 62-296.800, F.A.C., (Standards of Performance for New Stationary Sources) or Rule 62-296.810, F.A.C., (Emissions Standards for Hazardous Air Pollutants) and which have submitted a complete application for a permit to construct prior to December 1, 1980, FDEP Method 1 may be substituted for EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.
- (b) Work Platforms.
1. Minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.
 2. On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.
 3. On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.
 4. All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toe board, and hinged floor opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.
- (c) Access.
1. Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arresters with a minimum of 3 compatible safety belts available for use by sampling personnel.
 2. Walkways over free fall areas shall be equipped with safety rails and toe boards.
- (d) Electrical Power.
1. A minimum of two 120 volts AC, 20 amps outlets shall be provided at the sampling platform with 20 feet of each sampling port.

APPENDIX C
F.A.C. 62-297 SUMMARY OF STACK TESTING REQUIREMENTS

2. If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.
- (e) Sampling Equipment Support.
1. An eyebolt and angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts. The eyebolt shall be capable of supporting a 500 pound working load. The dimensions and placement of these fixtures are shown on Figure 297.345-1. A complete monorail or dual rail arrangement may be substituted for the eyebolt and bracket.
 2. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.
 3. When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.

62-297.570 Test Reports.

- (1) The owner or operator of an air pollution emissions unit, for which a compliance test is required, shall file a report with the Department on the results of each such test.
- (2) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
- (3) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than an EPA or DEP Method 9 test, shall provide information on:
 - a. The type, location, and designation of the emissions unit tested.
 - b. The facility at which the emissions unit is located.
 - c. The owner or operator of the emissions unit.
 - d. 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.
 - e. 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.
 - f. 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.
 - g. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
 - h. The date, starting time and duration of each sampling run.
 - i. The test procedures used including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
 - j. The number of points sampled and configuration and location of the sampling plane.
 - k. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
 - l. The type, manufacturer and configuration of the sampling equipment used.
 - m. Data related to the required calibration of the test equipment.
 - n. Data on the identification, processing and weights of all filters used.
 - o. Data on the types and amounts of any chemical solutions used.
 - p. Data on the amount of pollutant collected from each; the sampling probe, the filters, and the impingers, are reported separately for the compliance test.

APPENDIX C
F.A.C. 62-297 SUMMARY OF STACK TESTING REQUIREMENTS

- q. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
- r. All measured and calculated data required to be determined by each applicable test procedure for each run.
- s. The detailed calculations for one run that relate the collected data to the calculated emission rate.
- t. 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.
- u. A certification that to the knowledge of the owner or his authorized agent, all data submitted is true and correct.

When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

62-297.620 Exceptions and Approval of Alternate Procedures and Requirements.

- (1) The owner or operator may request in writing a determination by the Secretary of the Florida Department of Environmental Protection, or his designee, that any requirement of this chapter relating to emissions test procedures, methodology, equipment, or test facilities shall not apply to an emissions unit, and shall request prior approval of alternate procedures or requirements. For information on obtaining written approval for an Alternate Sampling Procedure (ASP), please contact the Emissions Monitoring Section in Tallahassee at (904) 488-1344.
- (2) The request shall set forth the following information, at a minimum:
 - (a) Specific emissions unit and permit number, if any, for which exception is requested.
 - (b) The specific provision(s) of this chapter from which an exception is sought.
 - (c) The basis for the exception, including but not limited, to any hardship which would result from compliance with the provisions of this chapter.
 - (d) The alternate procedure(s) or requirement(s) for which approval is sought and a demonstration that such alternate procedure(s) or requirement(s) shall be adequate to demonstrate compliance with applicable emission limiting standards contained in Rule 62-210, 62-212, 62-252, 62-272, 62-273, 62-275, 62-296, or 62-297, F.A.C. or any permit issued pursuant to those rules.
- (3) The Secretary or his designee shall specify by order each alternate procedure or requirement approved for an individual emissions unit in accordance with this section or shall issue an order denying the request for such approval. The Department's order shall be final agency action, reviewable in accordance with Section 120.57, Florida Statutes.
- (4) In the case of an emissions unit which has the potential to emit less than 100 tons per year of particulate matter and is equipped with a baghouse, the Secretary or the appropriate Director of District Management may waive any particulate matter compliance test requirements for such emissions unit specified in any otherwise applicable rule, and specify an alternative standard of 5% opacity. The waiver of compliance test requirements for a particulate emissions unit equipped with a baghouse, and the substitution of the visible emissions standard, shall be specified in the permit issued to the emissions unit.

TABLE 62-297.330-1 CALIBRATION SCHEDULE

APPENDIX C
F.A.C. 62-297 SUMMARY OF STACK TESTING REQUIREMENTS

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Thermometers, liquid in glass	Annually	ASTM Hg in glass reference thermometer or equivalent thermometric points.	(+/-) 2%
Thermometer, bimetallic	Quarterly	Calibrated liquid in glass thermometer.	5°F
Thermocouple	Annually	ASTM Hg in glass reference thermometer; NBS calibrated reference and potentiometer.	5°F
Barometer	Monthly	Hg barometer, or NOAA station.	(+/-) 1% scale
Pitot Tube	1. When required 2. When damaged	By construction or measurements or wind tunnel D greater than 16" and standard pitot tube.	See EPA Method 2, Figures 2-2 and 2-3.
Probes Nozzles	1. Before each test, or 2. When nicked, dented, or corroded.	Micrometer	(+/-) 0.001" mean of at least (3) readings. Maximum allowed deviation between readings is 0.004".
Dry gas and orifice meters	1. Full scale when received; Annually when 5% change observed. 2. One point semi-annually 3. Check after each test series.	Spirometer of calibrated wet test or dry gas test meter. Comparison check.	2% 5%

APPENDIX E
USED OIL QUALITY CONTROL ASSURANCE PLAN

Ranger Construction will use the following quality control program to verify that our used oil vendor's product meets the % sulfur by weight limitations included in our air permits.

Timing:

Once per calendar quarter (calendar year beginning in January)

Selection:

Random (no notification of the vendor prior to sampling)

Sample Source:

Vendor's tanker

Sampling Procedure:

Using a sampling tube commonly referred to as a "thief", Ranger personnel will extract a sample using the loading access hatch on the top of the tanker. The sample tube will be lowered into the fuel to a depth of approximately 12" off the bottom of the tank. The resulting sample will be discharged into a clean sampling container and thoroughly mixed. The above procedure should result in a representative sample of the tanker contents. Two smaller samples will be sub-sampled (about 8 oz each). Following labeling, one sample will be sent to a laboratory for analysis; the other (confirmation sample) will be retained in the event additional samples are needed. Both containers will be taped closed after labeling and cleaning of any spilled fuel. The confirmation sample will be kept until 30 days following any required submittal of results to a representative of FDEP. After that time, the fuel will be disposed of in accordance with applicable regulations.

Labeling Procedure:

Each sample will be labeled with the following information:

- Ranger Construction
- Date & time of sample extraction
- Type of fuel
- Name of personnel extracting sample

Shipping Procedure:

A Chain of Custody form will be completed for the sample and enclose in the shipping box along with a purchase order number. A short letter (or memo) detailing the above information (from the label) with the requested test signed by the person who obtained the sample will suffice for a "Chain of Custody" form. Include the shipping date and shipper reference numbers (such as UPS or FedEx). Maintain a copy in the facility files. This fuel is not considered a hazardous material and does not need to be shipped under HazMat regulations.

Laboratory Selection:

The Environmental Director will assist the Asphalt Plant Manager in securing the services of a laboratory with the experience and qualifications for testing % sulfur in used oils. A laboratory that participates in ASTM cross-checking or other nationally recognized program of Quality Control Assurance will be selected.

Safety:

Personnel who conduct the sampling in this procedure are reminded to used Ranger's normal safety precautions and procedures. This should include washing of hands and equipment to remove traces of fuels following the procedure.

Submittals of Results:

Results will be submitted to the required representative of the FDEP (Palm Beach County Health Department) within 30 days of the receipt of results from the laboratory. Should the results be greater than 0.10 percent by weight from the Vendor Certification, Ranger construction will provide notification to the Health Department

APPENDIX E
USED OIL QUALITY CONTROL ASSURANCE PLAN

within 24 hours of receipt. In the event, the analysis is greater than the sulfur content limitation, the duplicate sample will be sent to a third laboratory for analysis and the results reported and faxed to the Health Department within 24 hours of receipt.

Record Maintenance:

A copy of laboratory results and chain of custody documents will be retained at the plant along with the vendor certifications for a period of 3 years.