C. W. Roberts Contracting, Inc.
Panama City Asphalt Plant
Facility ID No.: 7770062
Bay County

Air Operation Permit
Permit No.: 7770062-010-AO

Permitting and Compliance Authority
Department of Environmental Protection
Northwest District Office
160 W. Government Street, Suite 308
Pensacola, FL 32502-5740
Telephone: 850/595-8300
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[Electronic file name: 7770062-010-AO.doc]

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Florida Department of
Environmental Protection
Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Permittee:
C. W. Roberts Contracting, Inc.

Permit No.: 7770062-010-AO
Facility ID No.: 7770062
SIC No(s).: 2951
Project: Air Operation Permit

This renewal permit is for the operation of the Panama City Asphalt Plant located at 1603 Bay Avenue in Panama City, Bay County; UTM Coordinates: Zone 16, 628.1 km East and 3340.3 km North; Latitude: 30° 11' 20" North and Longitude: 85° 40' 10" West.

STATEMENT OF BASIS: This air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4 and 62-210. 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 permitting authority, in accordance with the terms and conditions of this permit.

Effective Date: August 23, 2011
Renewal Application Due Date: June 24, 2016
Expiration Date: August 23, 2016

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

/s/

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Rick Bradburn
Air Program Administrator

RB/aj/c

Section I. Facility Information.

This renewal operating permit follows permit 7770062-009-AO, effective April 16, 2006. This relocateable facility is an asphalt concrete plant constructed (or last modified) on April 29, 2003.

Subsection A. Facility Description.

This facility consists of a 400 ton per hour CMI triple-drum continuous flow counter-current drum mixer asphalt plant. The maximum heat input of the drum dryer is 120 MMBtu/hr and will operate on natural gas; No. 2 through No. 6 fuel oil or on specification ("on-spec") used oil. Particulate emissions from the plant are controlled by a baghouse manufactured by a CMI Roto-Aire 318P Fabric Filter. The fines from the baghouse are recycled into the asphalt mix. Fugitive emissions at the facility result from uncontrolled process emissions, aggregate stockpiles, and vehicular traffic. A portable recycled asphalt paving (RAP) crushing unit, with a current Air General (AG) permit, will be operated at the facility periodically to provide RAP for the asphalt mix.

The asphalt storage and asphalt cement GTR tank is heated by the asphalt heater. The GTR is obtained pre-mixed in the liquid asphalt cement. The asphalt cement heater is a Gencor Turbocoil HY-100 thermal fluid heater with a maximum fuel input for oil at 7 gallons per hour. Fuel will be No. 2 through No. 6 fuel oil, on-spec used oil, and natural gas with a maximum sulfur content of 0.95% by weight. The asphalt heater and the mineral filler silo are exempt from permitting in accordance with Rule 62-210.300(3)(b)1, F.A.C. – Generic Emission Unit Exemption.

The facility is regulated under NSPS, 40CFR Part 60, subpart I (Standards of Performance for Hot Mix Asphalt Facilities, provided the facility was built or last modified on or after June 11, 1973) and Rule 62-210.300(3)(c)2., F.A.C. (Conditional Exemptions from Title V Permitting). The facility is a synthetic minor source with annual throughput limited to 500,000 tons of asphalt concrete per year. The fuel oil consumption for the asphalt concrete plant (dryer and asphalt heater) and portable RAP crusher is limited to 1.2 million gallons in any consecutive 12-month period and the sulfur content of the fuel oil shall not exceed 0.95 percent, by weight.

Based on the permit application received June 9, 2011, this facility is not a major source of hazardous air pollutants (HAP).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No.	Brief Description
002	CMI Drum Mix Asphalt Concrete Plant (Model PTD-400)

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

This document is on file with the permitting authority: Permit Application received June 9, 2011

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX G-1, GENERAL CONDITIONS, is a part of this permit.

2. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. Permittee shall not cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C., and Permit 7770062-007-AC]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. [Rules 62-296.320(4)(b)1. & 4., F.A.C., and Permit 7770062-007-AC]

4. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. Permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C., and Permit 7770062-007-AC]

5. 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 to prevent emissions of unconfined particulate matter at this facility include:

a) Paving and maintenance of roads, parking areas and yards.
b) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
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 buildings or work areas to prevent particulate from becoming airborne.
d) Landscaping or planting of vegetation.
e) Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c), F.A.C.; Permit 7770062-007-AC]

6. 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 standards contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests that 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 62-297.310(7)(b) and 62-297.620(4), F.A.C.]

7. Sixty days prior to the expiration date of this operation permit, Permittee shall submit two permit renewal applications using the current version of the renewal form along with the processing fee

established in Rule 62-4.050(4), F.A.C., to the Northwest District Office of the Department. [Rule 62-4.090, F.A.C.]

8. An Annual Operating Report for Air Pollutant Emitting Facility, DEP Form 62-210.900(5), shall be submitted for each year by April 1 of the following year. A copy of the form and instructions may be obtained from the Department's Northwest District office or electronically at http://www.dep.state.fl.us/Air/rules/forms/aor.htm. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office. [Rule 62-210.370(3)(c), F.A.C.]

9. Permittee shall submit all compliance related notifications and reports required of this permit to the Department's Northwest District Office:

Department of Environmental Protection
Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740
Telephone: 850/595-8300; Fax: 850/595-8096

Notification of compliance testing may be submitted by electronic mail to nwdair@dep.state.fl.us. A copy of all compliance related notifications shall be sent to the Northwest District Branch Office in Panama City at 2353 Jenks Ave, Panama City FL 32405.

10. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is 850/595-0578, day or night, and for emergencies involving a significant threat to human health or the environment is 800/320-0519. For routine business, telephone 850/595-0578 during normal working hours. [Rules 62-210.700 and 62-4.130, F.A.C.]

11. Environmental Compliance Plan (ECP). This plan outlines the procedures Permittee incorporates during the normal operation of this facility and provides necessary assurance that the facility will operate in compliance. Permittee shall follow all procedures outlines in the most recently approved plan (Appendix ECP-1). [Rule 62-4.070, F.A.C.]

{Permitting Note: An Environmental Compliance Plan should be a living document that provides procedures to help in maintaining the subject facility in compliance with applicable air regulations. Keeping this document up to date with the facility's current activities will not require any permit action; however, such modifications shall be submitted to the Department for approval. This does not alleviate the facility from the air construction permitting requirements for facility modifications (per Rule 62-210.300(1)(a), F.A.C.)}

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit.

E.U. ID No.	**Brief Description**
002	CMI Drum Mix Asphalt Concrete Plant (model PTD-400)

The plant consists of a five-bin cold feed aggregate handling system, a triple-drum continuous flow counter-current drum mixer, hot mix drag conveyor, recycled asphalt product (RAP) handling system, and two 125-ton hot asphalt concrete storage silos. The drum burner is a Starjet burner model SJ580 with a maximum heat input of 120 MMBtu/hr.

Particulate emissions from the plant are controlled by a CMI Roto-Aire 318P Fabric Filter baghouse with 756 Nomex bags, and a pulse jet cleaning air to cloth ration of 5.1:1. The fines from the baghouse are recycled into the asphalt mix. Fugitive emissions at the facility result from uncontrolled process emissions, aggregate stockpiles, and vehicular traffic. A maximum of 30% RAP will be used with virgin materials. Additionally, the facility has a 20,000-gallon asphalt cement/ground tire rubber (GTR) storage tank, and a 25,000-gallon mineral filler silo with an AVS model 72AVS16 pulse jet baghouse. A portable recycled asphalt paving (RAP) crushing unit, with a current air general (AG) permit, will be operated at the facility periodically to provide RAP for the asphalt mix. Overall RAP processing is limited to 150,000 tons per consecutive 12-month period, as requested by the Permittee.

The facility is regulated under NSPS, 40CFR Part 60, subpart I (Standards of Performance for Hot Mix Asphalt Facilities, provided the facility was built or last modified on or after June 11, 1973) and Rule 62-210.300(3)(c)2., F.A.C. (Conditional Exemptions from Title V Permitting). The facility is a synthetic minor source with annual throughput limited to 500,000 tons of asphalt concrete per year. The fuel oil consumption for the asphalt concrete plant (dryer and asphalt heater) and portable RAP crusher is limited to 1.2 million gallons in any consecutive 12-month period and the sulfur content of the fuel oil shall not exceed 0.95 percent, by weight.

The following specific conditions apply to the emissions unit listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Capacity. The maximum allowable operating rate of the asphalt concrete plant is 400 tons of asphalt concrete mix produced per hour including up to 30% RAP. [Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and Permit 7770062-007-AC]
{Permit Note: Verify the operating rate of the most recent test. If source tested at less than capacity, operation is limited to 110% of the test load until a new test is conducted.}

A.2. Production. The production rate of asphalt concrete (RAP or Non-RAP containing) shall not exceed 500,000 tons in any consecutive 12-month period. The portable RAP crusher-processing rate shall not exceed 150,000 tons of RAP in any consecutive 12-month period. [Rules 62-4.160(2), 62-210.200(PTE), 62-210.300(3)(c)2.a, F.A.C., and Permit 7770062-007-AC]

A.3. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

A.4. Fuel Types and Usage
Total fuel oil consumption (for the asphalt heater, dryer and portable RAP crusher, if any) shall not exceed the Title V exemption limit [Rule 62-210.300(3)(c)2.b, F.A.C.] of 1.2 MM gallons in any consecutive 12-month period. The facility may operate using natural gas or No. 2 through No. 6 fuel oil or on-spec used oil, with a maximum sulfur content of 0.95 percent by weight or less. The owner shall maintain records to demonstrate that each shipment of fuel oil has 0.95 percent or less sulfur and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294- 90, adopted and incorporated by reference in Rule 62- 297.440(1), F.A.C., or updated versions of the referenced ASTM methods approved by the Department.
[Rules 62-210.300(3)(c)2.b, F.A.C., and Permit 7770062-007-AC]

{Permit Note: Maximum sulfur content limit was requested by the permittee to limit associated permit fee.}

On-spec used oil is allowed in this emission unit, in accordance with all other conditions of this permit and the following. On-spec used oil is defined as used oil that meets the specifications of 40 CFR 279 - Standards for the Management of Used Oil, listed below. The owner shall maintain records to demonstrate that each shipment of used oil meets the specifications of 40 CFR 279. Used oil that fails to comply with any of these specification levels is considered "off-specification" used oil. "Off-specification" used oil shall not be burned.

CONSTITUENT/PROPERTY	ALLOWABLE LEVEL
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash point	100 degrees F minimum

[Rules 62-210.200(PTE); 62-210.300(3)(c)2.b., F.A.C., and Permit 7770062-007-AC]

Emission Limitations and Standards

A.5. Particulate Matter. Particulate emissions, associated with the asphalt concrete plant, shall not exceed 0.04 grains per dry standard cubic foot averaged over a three-hour period. [Rules 62-204.800(8)(b)12., 62-210.300(3)(c)2.d, F.A.C.; 40CFR 60.92 (subpart I); and, Permit 7770062-007-AC]

A.6. Visible Emissions. Visible emissions, associated with the asphalt concrete plant, shall be less than 20% opacity. [Rules 62-204.800(8)(b)12 and 62-210.300(3)(c)2.f., F.A.C., and Permit 7770062-007-AC]

Test Methods and Procedures

A.7. Particulate Matter. The test method for particulate matter shall be EPA Method 5 or 5A, incorporated and adopted by reference in Chapter 62-297, F.A.C. [Rules 62-210.300(3)(c)2.i and 62-297.401, F.A.C.]

A.8. Visible Emissions. The test method for visible emissions shall be EPA Method 9 (30 minutes), incorporated and adopted by reference in Chapter 62-297, F.A.C. [Rules 62-210.300(3)(c)2.i and 62-297.401, F.A.C.]

A.9.a. Visible emissions and particulate matter tests, associated with the asphalt concrete plant, are required to show compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. The tests shall be conducted once during each federal fiscal year (October 1 through September 30). The Permittee shall notify the Department at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing. [Rules 62-4.070(1), 62-210.300(3)(c)2.i, 62-297.401(5) and (9), F.A.C., and Permit 7770062-007-AC]

A.9.b. The test reports, associated with the asphalt concrete plant, shall comply with applicable portions of Rule 62-297.310(8), F.A.C., Test Reports. The Department can require special compliance tests in accordance with Rule 62-297.310(7)(b), F.A.C. Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing. [Rules 62-297.310(7)(b) and 62-297.620(1), F.A.C.]

A.9.c. Testing of emissions, associated with the asphalt concrete plant, shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. If it is impractical to test at capacity, sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department. [Rules 62-297.310(2) and 62-4.070(1), F.A.C.]

A.10. Determination of Process Variables

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(a) and (b), F.A.C.]

A.11. Required Stack Sampling Facilities for the Asphalt Concrete Plant. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29CFR Part 1910, subparts D and E (See Appendix SS-1). [Rule 62-297.310(6), F.A.C.]

Monitoring, Recordkeeping and Reporting Requirements

A.12. The owner or operator shall maintain records to document the monthly and the 12-month rolling totals of tons of asphalt concrete produced, tons of RAP processed, the gallons of fuel oil and on-spec used oil consumed by the dryer, asphalt heater and the portable RAP crusher, and the hours of operation of the asphalt heater and the portable RAP crusher. Such records shall be retained for five years and be made available for Department inspection as necessary. [Rules 62-4.070(1), 62-210.300(3)(c)2.g., F.A.C., and Permit 7770062-007-AC]

A.13. Any portable RAP crusher, operating at this facility, is subject to all the terms and conditions of its current Air General (AG) Permit and any denoted applicable condition of this Air Operating Permit. A portable RAP crusher shall be tested in accordance with its current AG permit requirements. [Rule 62-4.070(1), F.A.C., and Permit 7770062-007-AC]

Location, Relocation, Co-Location

A.14. Prior to any relocation of the asphalt concrete plant, the owner or operator must submit for Department approval a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form 62-210.900(6)] and a $250 minor modification fee, per 62-4.050(4)(s)5., F.A.C., to the appropriate District office at least 30 days prior to the relocation. The supplemental requirements of the form include:

1. Provide a scale map (e.g., the relevant portion of a USGS topographic map) showing the proposed new location of the facility and points of air pollutant emissions in relation to roads and other features of the surrounding area.
2. If relocating to a different DEP district or local air permitting office area of jurisdiction, provide a copy of the most recent compliance test report.

The Department shall require Permittee to publish public notice of Proposed Agency Action, which shall be provided by the Department prior to issuance of authorization for the relocation.
[Rules 62-210.900(6) and 62-210.350(1)(a) and (4), F.A.C.; Permit 7775062-007-AC]

A.15. This permit is a conditional exemption from Title V permitting in accordance with Rule 62-210.300(3)(c)2, F.A.C. An asphalt plant claiming this exemption from Title V air permitting shall not collocate with, or relocate to, any Title V source; nor shall it create a Title V source in combination with any other collocated facilities, emissions units, or pollutant-emitting activities, including any such facility, emissions unit, or activity that is otherwise exempt from permitting. [Rules 62-210.300(3)(c) and 62-210.300(3)(c)2.j., F.A.C.]

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. Permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

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, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any 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 of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

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.

5. This permit does not relieve 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 Permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by Permittee to achieve compliance with the conditions of this permit, are 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.

7. 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 reasonable times, access to the premises where the permitted activity is located or conducted for the purpose of:

a. Have access to and copy any records that must be kept under conditions of this 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.

8. If, for any reason, Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, Permittee shall immediately provide the Department with the following information:

a. A description of and cause of noncompliance; and
b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. Permittee shall be responsible for any and all damages that may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, 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 proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, Permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, as applicable. Permittee shall be liable for any noncompliance of the permitted activity until the Department approves the transfer.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. Permittee shall comply with the following:

a. Upon request, 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. 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 for 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:
- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used;
- the results of such analyses.

14. When requested by the Department, Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If Permittee becomes aware the 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 SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)

Stack Sampling Facilities Provided by the Owner of an Emissions Unit. This section describes the minimum requirements for stack sampling facilities that are necessary to sample point emissions units. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. Emissions units 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 Part 1910, Subparts D and E.

(a) Permanent Test Facilities. The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.

(b) Temporary Test Facilities. The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

(c) 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. 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, constriction or other flow disturbance.
4. For emissions units 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 emissions units 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. 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.

(d) 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), toeboard, 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.

(e) Access to Work Platform.

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 toeboards.

(f) Electrical Power.

1. A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.

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.

(g) Sampling Equipment Support.

1. A three-quarter inch eyebolt and an 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.

a. The bracket shall be a standard 3 inch x 3 inch x one-quarter inch equal-legs bracket which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.

b. A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.

c. The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. 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.

2. A complete monorail or dualrail arrangement may be substituted for the eyebolt and bracket.

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.

[Rule 62-297.310(6), F.A.C.]

TABLE 297.310-1 CALIBRATION SCHEDULE

[Note: This table is referenced in Rule 62-297.310, F.A.C.]

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass Thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic Thermometer	Quarterly	Calib. liq. In glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/-0.001" mean of at least three readings Max. deviation between readings .004”
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually	Spirometer or calibrated wet test or dry gas test meter	2%
	2. One Point: Semiannually		
	3. Check after each test series	Comparison check	5%