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G.A.C. Contractors, Inc.
Gulf Asphalt
Facility ID No.: 0050008
Bay County

Air Operation Permit
Permit No.: 0050008-001-AO

Permitting and Compliance Authority
Department of Environmental Protection
Northwest District Office
160 Governmental Center
Pensacola, FL 32501-5794
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[electronic file name: 0050008o.doc]

Air Operation Permit
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Department of
Environmental Protection

Jeb Bush
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

David B. Struhs
Secretary

Permittee:
G.A.C. Contractors, Inc.

Permit No.: 0050008-001-AO
Facility ID No.: 0050008
SIC Nos.: 2951
Project: Air Operation Permit

This permit is for the operation of the Gulf Asphalt located at 4116 N. Highway 231, Bay County; UTM Coordinates: Zone 16, 634.9 km East and 3343.7 km North; Latitude: 30° 13' 30" North and Longitude: 85° 34' 40" 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, 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.

Referenced attachments made a part of this permit:

Appendix G-1, General Conditions
Appendix SS-1, Stack Sampling Facilities

Effective Date: June 30, 1999
Renewal Application Due Date: April 30, 2004
Expiration Date: June 30, 2004

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Ed K. Middleswart

Ed K. Middleswart, P.E.
Air Program Administrator

EKM/rvk

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of a 189 ton per hour batch asphalt plant (Madison, three ton batch) which uses natural gas or No. 2 fuel oil with a maximum of 0.8% sulfur. Particulate emissions are controlled by an Estee baghouse (Model ST-12-468, emission unit 001). The plant also has an asphalt heater fired with a maximum of 16 gallons per hour of No. 2 fuel oil with a maximum of 0.8% sulfur (emission unit 004, with no source specific emission limits).

A belt conveyer transfers cold aggregate from four feeder bins to the cold end of the drum dryer. Heated aggregate is discharged from the dryer to a hot elevator, and then transferred to a screen shaker with four hot bins. The hot bins discharge into a weigh hopper, and then to the pugmill for mixing and transfer to trucks. Recycled asphalt concrete (RAP) is transferred from a recycle bin to the hot elevator at a maximum RAP usage rate of 15% of the operating rate. Heated asphalt cement is injected at the pugmill. Particulate emissions from the dryer, hot elevator, and shaker are ducted to the baghouse.

Based on the permit application received June 11, 1999, this facility is not a major source of hazardous air pollutants (HAPs).

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

E.U. ID No.	Brief Description
001	Estee baghouse for emission control of the asphalt plant
002	Asphalt cement heater with no source specific emission limits

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.

These documents are on file with permitting authority:
Permit Application received June 11, 1999

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. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

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.]

4. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The 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)(a), F.A.C.]

5. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include: Paving and maintenance of roads, parking areas and yards; application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities; landscaping or planting of vegetation; and enclosure or covering of conveyor systems.
[Rule 62-296.320(4)(c)2., F.A.C.]

6. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

7. Sixty days prior to the expiration date of this operation permit, the Permittee shall submit two permit renewal applications using the current version of the renewal form along with the processing fee established in FAC Rule 62-4.050(4) to the Northwest District office of the Department.
[Rule 62-4.090, F.A.C.]

8. The 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 Governmental Center
Pensacola, Florida 32501-5794
Telephone: 850/595-8364, press 7; Fax: 850/595-8096

Copies of all compliance related notifications and reports shall be submitted to the Department's Panama City Branch Office:

Department of Environmental Protection
Panama City Branch Office
2353 Jenks Avenue
Panama City, Florida 32405
Telephone 850/872-4375; Fax: 850/872-7790

9. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 595-8364, extension 1220, 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) 595-8364, then press 7, during normal working hours.
[Rules 62-210.700 and 62-4.130, F.A.C.]

Permit No.: 0050008-001-AO

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

E.U. ID No.	Brief Description
001	Estee baghouse for emission control of the asphalt plant

This emissions unit consists of a baghouse (Estee Model ST-12-468) which provides emissions control for the 189 ton per hour batch asphalt plant (Madison, three ton batch). The facility predates and is not subject to the requirements of 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities, but is subject to the General Pollutant Emission Limiting Standards contained in Rule 62-296.320, F.A.C., including the Process Weight Table.

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

Essential Potential to Emit (PTE) Parameters

A.1. Operating Rate. The maximum allowable operating rate is 189 tons of asphalt concrete mix produced per hour.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

A.2. Production. The production rate of asphalt concrete shall not exceed 500,000 tons in any consecutive twelve-month period.
[Rules 62-4.160(2), 62-210.200(PTE), and 62-210.300(3)(c)1.a., F.A.C.]

A.3. Hours of Operation. The maximum hours of operation are 2500 hours per year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit AO20-242835, issued September 2, 1994]

A.4. Methods of Operation. The owner or operator of the facility shall operate it so as to maintain a normal pressure drop through the baghouse of approximately five inches WG. If the pressure varies outside the normal range, the plant will be shut down and all bags visually inspected.
[Rule 62-4.160(2), F.A.C.]

A.5. Fuel oil consumption shall not exceed 1.2 million gallons in any consecutive twelve-month period. Fuel oil shall not exceed 0.8 percent sulfur content. The owner shall maintain records to demonstrate that each shipment of fuel oil has the appropriate sulfur content 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.
[Rules 62-210.300(3)(c)1.b., and 62-210.300(3)(c)1.c., F.A.C.; permit AO03-255252, issued September 2, 1994]

Emission Limitations and Standards

A.6. Particulate Matter. Particulate emissions shall not exceed 35.43 pounds per hour averaged over a three-hour period while operating between 88 tons per hour and 189 tons per hour. At lesser operating rates, the particulate emissions shall not exceed the amount allowed by Rule 62-296.320(4)(a), F.A.C. – the Process Weight Table.
[Rules 62-210.300(3)(c)1.d., and 62-204.800(7)(b)12., F.A.C.]

A.7. Visible Emissions. Visible emissions shall be less than 20% opacity.
[Rule 62-210.300(3)(c)1.f., F.A.C.]

Test Methods and Procedures

A.8. Emissions tests 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. Such tests shall be conducted at twelve-month intervals between March 1 and April 30. The Department shall be notified at least fifteen days prior to testing to allow witnessing. Results shall be submitted to the Department within forty-five days after testing.
[Rules 62-4.070, 62-297.310(7) and 62-297.401(9), F.A.C.]

A.9. 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(3)(c)1.i, and 62-297.401, F.A.C.]

A.10. Visible Emissions. The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
[Rules 62-210(3)(c)1.i., and 62-297.401, F.A.C.]

A.11. The test reports shall comply with applicable portions of Rule 62-297.310, F.A.C., Test Reports. The Department can require special compliance tests in accordance with Rule 62-297.310(7) F.A.C.
[Rule 62-297.310(7), F.A.C.]

A.12. Testing of emissions 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, then 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, then operation at higher capacities is allowed for no more than fifteen 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, F.A.C.]

A.13. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rules 62-297.310(7)(b) and 62-297.620(4), F.A.C.]

A.14. 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), F.A.C.]

A.15. Required Stack Sampling Facilities. 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 29 CFR Part 1910, Subparts D and E.
[Rule 62-297.310(6), F.A.C.]

Monitoring, Record keeping and Reporting Requirements

A.16. The owner or operator shall maintain records to document the monthly and the twelve-month rolling totals of tons of asphalt concrete produced, the gallons of fuel oil consumed, and the hours of operation. Such records shall be retained for five years.
[Rules 62-4.070. and 62-210.300(3)(c)1.g., F.A.C.]

A.17. An annual operating report for air pollutant emitting facility, DEP Form 62-210.990(5), shall be submitted by March 1 of each year. A copy of the form and instructions may be obtained from the Department's Northwest District office.
[Rule 62-210.370, F.A.C.]

Subsection B. This section addresses the following emissions unit(s).

E.U. ID No.	Brief Description
002	Asphalt heater

This emissions unit consists of an asphalt heater fired with a maximum of 16 gallons per hour of No. 2 fuel oil with a maximum of 0.8% sulfur by weight. This emissions unit has no source specific emission limits and is subject only to general pollutant limiting standards (see Section II, Facility -wide conditions, and appendix G-1, General conditions.)

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

B.1. Fuel oil consumption shall not exceed 16 gallons per hour of No. 2 fuel oil with a maximum of 0.8 percent sulfur content. Fuel oil consumption shall be included in the record keeping required by condition A.16. The owner shall maintain records to demonstrate that each shipment of fuel oil has the appropriate sulfur content 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. [Rules 62-210.300(3)(c)1.b., and 62-210.300(3)(c)1.c., F.A.C.]

B.2. Hours of Operation. The maximum hours of operation are 3,640 hours per year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit AO20-242835, issued September 2, 1994]

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. 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.

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. Nor 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 does not constitute 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 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.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the 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. 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

a. Having access to and copying any records that must be kept under the conditions of this permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

c. Sampling or monitoring 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, 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 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. 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.

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 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. 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.

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. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. 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 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 measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. 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 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.]