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# Department of Environmental Protection

Lawton Chiles  
Governor

Northwest District  
160 Governmental Center  
Pensacola, Florida 32501-5794

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Mitchell Brothers, Incorporated

AIRS I.D. Number: 0730034  
Air Permit Number: 0730034001AO  
Emission Units: 003,005  
Date of Issue: DECEMBER 6, 1995  
Expiration Date: November 1, 2000  
County: Leon  
Project: Drum Mix Asphalt Plant

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-296, 62-297 and 62-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operation of a CMI Corporation Drum Mix Asphalt Plant with a capacity of 110 tons asphalt production per hour and 2000 hours of operation per year. The plant consists of an aggregate handling system, a rotary drum for drying and heating the aggregate and mixing in the liquid asphalt, and a silo for storage and loading the asphalt concrete product. Particulate emissions are controlled with a CMI Model VDM-1200 venturi scrubber, and SO<sub>2</sub> emissions are controlled by limiting the dryer fuel oil sulfur content to less than 1.0% sulfur by weight; and, the asphalt heater to less than 0.5%.

Operation shall be consistent with the permit application signed July 31, 1995, and additional information received August 24, 1995 and October 16, 1995 (O&M Manual) and construction permit AC37-78433 as amended.

Located: 1330 Capital Circle Northeast, Tallahassee

0730034001AO

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SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]
2. This permit incorporates all applicable terms and conditions of the construction permit AC37-88433 issued May 8, 1984 and serves to incorporate the limited hours (2,000 hrs/yr) documented in the corresponding application dated January 30, 1984.
3. Satisfactory ladders, platforms and other safety devices as well as necessary parts shall be provided/made available to facilitate an adequate inspection program. [FAC Rule 62-297.345]

Operation

4. The maximum allowable operating rate is 110 tons per hour of asphalt concrete production. This is the operating rate at which compliance with standards shall be demonstrated. [FAC Rule 62-4.070]
5. The maximum hours of operation of the asphalt plant are limited to 2000 hours per year based on an average of 8 hours/day, 5 days/week and 50 weeks per year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually. [FAC Rule 62-4.070 and construction permit application]
6. The Permittee shall operate the scrubber in accordance with the Scrubber Operation and Maintenance Manual dated October, 1995 and shall maintain a scrubber pressure drop of 11 inches WG, and scrubber water spray pressure of 100 psi. These shall be surrogate compliance parameters. Copies of the annotated maintenance schedule logs and weekly inspection reports shall be maintained on site and made available for Department inspections. (FAC Rule 62-4.070)
7. The maximum sulfur content of the fuel oil for the dryer is limited to 1% sulfur by weight and for the asphalt heater, 0.5% sulfur by weight. As a result, the maximum

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potential annual SO2 emissions are estimated as 32.4 TPY \*. The Permittee shall maintain a log available for Department inspection of the fuel oil use and sulfur content. (Application dated July 31, 1995)

\* (Drum emissions + heater emissions: 1% S X 0.292 lbs SO2/ton X 220,000 TPY X 1 ton/2000 lbs + 3.5 gph X 6.8 lbs/gal X 2000 hrs/yr X 0.005 lbs S/lb fuel X 2 lbs SO2/lb S X 1 ton/2000 lbs = 32.4 tons SO2/year)

8. All requirements of 40 CFR 60 Subpart I, Standards of Performance for Hot Mix Asphalt Facilities, shall be met. (FAC Rule 62-296.800(2))

Emissions

9. The maximum allowable emission limit for each pollutant is as follows:

Pollutant	FAC Rule	Allowable Emissions
Emission unit 003 - CMI scrubber		
VE	62-296.800	less than 20% opacity
PM	62-296.800	0.04 g/dscf
Emission unit 005 - asphalt cement heater		
VE	62-296.310	less than 20% opacity

10. All fugitive dust generated at this site shall be adequately controlled in accordance with the fugitive emission control plan dated included with the application date July 31, 1995. (FAC Rule 62-296.310(3)).

11. This source shall be operated in such a fashion so as to preclude objectionable odors. Objectionable odor is 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 pursuant to FAC Rule 62-296.200(123)

If the Department determines objectionable odors are being emitted from this facility, the Permittee shall submit within 45 days of receipt of written notification from the Department an odor remediation plan. The plan shall include, but is not limited to, the following:

1. Dispersion modeling analysis to show compliance with ambient acceptable odor threshold value(s).
2. Strategies to reduce odorous chemical utilization or emissions.

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- 3. Modification of manufacturing production cycles.
- 4. Modification or manufacturing methods.
- 5. Modification of plant exhaust systems.

(FAC Rule 62-296.320(2))

Testing

12. 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. [FAC Rule 62-4.070] Tests shall be conducted annually between May 1 and June 30 in accordance with the table below. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing.

<u>Pollutant</u>	<u>Test Method</u>
Source 003 - Dryer	
PM	EPA method 5
VE	DEP method 9

The VE test shall be for a duration of 30 minutes and shall be conducted during one of the PM test runs.

Test reports shall comply with F.A.C. Rule 62-297.570, Test Reports. Additionally, the compliance test report shall provide the following information on the air pollution control devices:

- a. General condition of equipment, noting any deficiencies or problems with the equipment which occur during testing.
- b. Normal operating parameters of the equipment and the actual operation parameters for each test run, including scrubber water pressure and pressure drop.

The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.340(2).

Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing.

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

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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.

Administrative

13. 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 of Environmental Protection, Northwest District Air Resources Management Program, (904) 444-8364. [FAC Rule 62-210.370]

14. The applicant shall submit an application for a renewal operation permit no later than September 1, 2000. (FAC Rule 17-4.050)

15. The emission units covered by this permit are: 003,005. Please cite these numbers on all test reports and other correspondence specific to this permitted emission units. [FAC Rule 62-297.570]

16. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, telephone (904) 488-3704 during normal working hours. [FAC Rule 62-210.700]

Expiration Date:

November 1, 2000

Issued this 6<sup>th</sup> day of DEC, 1995.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



ED K. MIDDLESWART, P.E.  
Air Program Administrator

## GENERAL CONDITIONS:

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,

GENERAL CONDITIONS:

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.

GENERAL CONDITIONS:

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.