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Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

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Virginia B. Wetherell
Secretary

AIRS I.D. Number: 0730034
Air Permit Number: 0730034-002-AC (AC37-233054)
Emission Units: 004
Date of Issue: January 12, 1994
Modified: March 6, 1998
Expiration Date: January 12, 1999
County: Leon
Project: Capital Circle Asphalt Concrete Batch Plant

Edward M. Mitchell, Jr.
President
Mitchell Brothers, Inc.
800 Aeon Church Rd
Tallahassee FL 32304

Dear Mr. Mitchell:

This is in response to the letter of November 19, 1997 from Koogler & Associates, concerning your Capital Circle asphalt concrete batch plant, Air Construction Permit AC37-233054, old Source Identification Number 10TLH370034, new AIRS I.D. Number 0730034. In the letter, your consultant requests modifying the permit to allow increasing the hourly operating rate from 250 T/hr to 275 T/hr, and changing the Aceco venturi scrubber operating parameters from 12-14 inches to 8-10 inches of water. In order to make the increased maximum allowable operating rate and the conditional exemption from Title V air permitting federally enforceable, this amendment must be public noticed.

By this letter, Air Construction Permit AC37-233054 is modified as follows:

Air Permit Number AC37-233054 is changed to 0730034-002-AC.

Specific Condition 6 is changed from:

6. The maximum allowable operating rate is 250 tons asphalt concrete mix produced per hour. This is the operating rate at which compliance with standards shall be demonstrated.

To:

6. The maximum allowable operating rate is 275 tons asphalt concrete mix produced per hour. Recycled asphalt concrete may be introduced into the drum mixer at a ratio of no more than 40% (wt) of the total mix produced. This is the operating rate at which compliance with standards shall be demonstrated.

Specific Condition 12 is changed from:

12. The Aceco venturi scrubber will be installed and operated according to manufacturer's specifications for proper operation and design control efficiency. Pressure drop shall be maintained at 12-14 inches of water. Water flow rate shall be maintained at approximately 200 gpm at 100 psig.

To:

12. The Aceco venturi scrubber shall be installed and operated according to manufacturer's specifications for proper operation and control efficiency. Pressure drop shall be maintained at 8-10 inches of water. Water flow rate shall be maintained at approximately 340 gpm at 100 psig. Instrumentation to verify these parameters shall be installed to provide reasonable assurance of continuous compliant scrubber operation. A maintenance and operating plan for the scrubber and instrumentation shall be submitted to the Department, within 45 days of issuance of this modification, for approval. The approved plan shall be made part of the operating permit and the permittee shall maintain records verifying compliant operation for five years. Such records shall be made available for Department inspection upon request.

[Rules 62-4.030 and 62-210.650, F.A.C., and letter of January 16, 1998]

*Revised 4/20/98
AKK 4/20/98
Due 4/20/98
AST*

Additional Specific Condition:

19. This asphalt concrete plant qualifies for a Conditional Exemption from Title V Air Permitting provided that the following conditions from Rule 62-210.300(3)(c), F.A.C., are met:

- a. The production rate of asphaltic concrete shall not exceed 500,000 tons in any consecutive twelve-month period.
- b. Fuel oil consumption shall not exceed 1.2 million gallons in any consecutive twelve-month period.
- c. Fuel oil shall not exceed 1.0 percent sulfur content, by weight. The owner shall maintain records to demonstrate that each shipment of fuel oil has 1.0 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).
- d. Particulate matter (PM) emissions shall not exceed 0.04 grains per dry standard cubic foot averaged over a three-hour period.
- e. Fugitive PM emissions shall be controlled in accordance with the requirements of Rule 62-296.320(4)(c), F.A.C. The following shall constitute reasonable precautions:
 1. Management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:
 - (a) Paving and maintenance of roads, parking areas, and yards.
 - (b) Application of water or environmentally safe dust-suppressant chemicals to unpaved roads, yards, open stock piles and similar activities when necessary to control emissions.
 - (c) Landscaping or planting of vegetation.
 - (d) Enclosure or covering of conveyor systems.
 - (e) Removal of particulate matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from buildings, structures or work areas to reduce airborne particulate matter.
 - (f) Reduction of stock pile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles.
 2. Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.
- f. Visible emissions (VE) shall not be equal to or greater than 20 percent opacity.
- g. The owner or operator shall maintain records to document the monthly and the twelve-month rolling totals of tons of asphaltic concrete produced, the gallons of fuel oil consumed, and the hours of operation. Such records shall be retained for five years.

Additional Specific Condition 19 (continued):

h. The owner or operator shall submit an Annual Operating Report for Air Pollutant Emitting Facility [DEP Form No. 62-210.900(5)] to the Department annually pursuant to Rule 62-210.370(3), F.A.C. The annual operating report shall be submitted to the appropriate DEP District or DEP-approved local air pollution control program office by March 1 of each year. [Rule 62-210.370(3)(c), F.A.C.]

i. The owner or operator shall submit a stack test using EPA Reference Method 5 or 5A and a visible emission (VE) test using EPA Reference Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C., that demonstrate compliance with the applicable PM and VE standards, respectively, to the Department by March 15, annually during each federal fiscal year (October 1 - September 30).

All **other** specific conditions of this permit remain in effect. This letter shall be attached to and made part of permit **0730034-002-AC**.

Sincerely,



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

EKM:asc

cc: Mark A. Hagmann, Koogler & Associates, Inc.
DEP Division of Air Resources Management, Tallahassee
DEP Northwest District Branch Office, Tallahassee