

PERMITTEE:

AIRS I.D. Number: 0050038

Air Permit Number: 0050038001AO

Emission Unit: 001

Triangle Construction Road Building, Inc. Date of Issue: March 13, 1996

Expiration Date: March 13, 2001

County: Bay

Project: Asphalt Concrete Batch Mix 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 an asphalt concrete batch mix plant. This plant, manufactured by Barber Greene, has a process rate of 120 tons of asphalt mix produced per hour. Particulate emissions are controlled by a cyclone primary collector followed by a baghouse filter manufactured by Dustex, model DW-14-28W. The drum mixer uses No. 2 fuel oil with a maximum sulfur content of 0.5%, which minimizes sulfur dioxide emissions. The plant does not handle recycled asphalt product (RAP).

Emissions from this facility are limited to less than 100 TPY of any single criteria pollutant by limiting the production rate and hours of operation. As a result, this facility is conditionally exempt from Title V permitting under the provisions of FAC 62-210.

Located at US 231 and Star Avenue (County Road 2315), approximately 7 1/2 miles northeast of Panama City, Bay County.

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SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]

Operation

2. The maximum hours of operation are 1000 hours per year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually. [FAC Rule 62-210.300(3)(c)1., and operation permit application]

3. The maximum allowable operating rate is 120 tons per hour of asphalt concrete production. This is the operating rate at which compliance with standards shall be demonstrated. [FAC Rule 62-210.300(3)(c)1.]

4. This source shall not be operated at a rate greater than 80 tons of asphalt concrete mix produced per hour for more than six consecutive hours per day on each of four or more days per calendar year unless:

A. The Permittee advises the Department in writing of such operation within 7 days thereafter, and

B. A particulate emissions compliance test at the new desired operating rate is conducted within the first 30 days of operating at the higher rate. [FAC Rule 62-4.070]

5. The maximum fuel usage of No. 2 fuel oil is limited to 360 gallons per hour. The maximum sulfur content of the No. 2 fuel oil is limited to 0.5% sulfur by weight. The Permittee shall maintain a log available for Department inspection of the fuel oil use and sulfur content. [FAC Rule 62-210.300(3)(c)1.]

6. Recycled asphalt product (RAP) shall not be used at this facility unless a written request to run a particulate emission compliance test using RAP is granted by the Department, the test is satisfactorily completed and the permit is amended. [FAC Rule 62-4.070]

7. 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

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

Pollutant	FAC Rule	Allowable Emissions
PM	62-210.300(3)(c)1.	0.04 grains/dscf
VE	62-210.300(3)(c)1.	less than 20% opacity

9. All fugitive dust generated at this site shall be adequately controlled. [FAC Rule 62-210.300(3)(c)1., and operation permit application].

10 . 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.
3. Modification of manufacturing production cycles.
4. Modification or manufacturing methods.
5. Modification of plant exhaust systems.

[FAC Rule 62-296.320(2)]

Testing

11. 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 in accordance with the table below. Such tests shall be scheduled within 60 days of the baseline date of November 30. 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>	<u>Frequency</u>
PM	DEP method 5	annual
VE	DEP method 9	annual

The VE test shall be for a duration of thirty 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.

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 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. [FAC Rule 62-4.070]

Administrative

12. 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]

13. Sixty days prior to the expiration of this operation permit, the Permittee shall submit four 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. [FAC Rule 62-4.090]

14. The emission unit covered by this permit is 0050038001. Please cite the appropriate number on all test reports and other correspondence specific to a permitted emission unit. [FAC Rule 62-297.570]

15. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 872-4375, 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) 872-4375 during normal working hours. [FAC Rule 62-210.700]

Expiration Date: March 13, 2001

Issued this _____ day of _____

1996.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

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

MEMORANDUM

TO : Ed K. Middleswart, P.E.
FROM : Andy Allen, R. J. Prusa
DATE : May 10, 2012
SUBJECT : **Evaluation Summary for Triangle Construction Road Building, Inc.,
Bay County; AIRS ID No.0050038, Application No. 0050038001AO**

We recommend issuing a renewal operating permit to Triangle Construction Road Building, Inc. to operate an Asphalt Concrete Batch Mix Plant north of Panama City, Bay County. This source was previously permitted under AO03-190235, which expired on January 1, 1996.

Process Description

Operation of an asphalt concrete batch mix plant. This plant, manufactured by Barber Greene, has a process rate of 120 tons of asphalt mix produced per hour.

Pollution Control Equipment

Particulate emissions are controlled by a cyclone primary collector followed by a baghouse filter manufactured by Dustex, model DW-14-28W. The drum mixer uses No. 2 fuel oil with a maximum sulfur content of 0.5%, which minimizes sulfur dioxide emissions. The plant does not handle recycled asphalt product (RAP).

Applicable Rules and Regulations and Environmental Impact

This source is regulated in accordance with FAC Rule 62-296.800 which incorporates 40CFR60 Subpart I, Standards of Performance for Hot Mix Asphalt Facilities (NSPS) and 62-210.300(3)(c)1., which limits production to oess than 500,000 tons per year, fuel oil usage to less than 1.2 million gallons per year with less than 1.0% sulfur by weight, particulates to 0.04 grains/dscf and visible emissions to less than 20% opacity.

Allowable and potential emissions are:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Allowable Emissions</u>	<u>Maximum Emissions (tons per year)</u>
PM	62-210.300(3)(c)1.	0.04 grains/dscf	11.5
VE	62-210.300(3)(c)1.	less than 20% opacity	
SO2	---	---	45.0

Compliance Monitoring

Annual testing for VE and PM within 60 days of the baseline date of November 30.

Compliance History

The latest testing was conducted on August 29, 1995. The results were 0.0020 grains per dscf particulate emissions and 0.0% opacity for 30 minutes.

RJP:rpc