TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION

APPLICANT

Lane Construction Corporation
3350 Reynolds Road
Lakeland, FL 33803

Edgewater Hot Mix Asphalt Plant

Facility ID No. 1270209

PROJECT

Project No. 1270209-002-AC
Application for Minor Source Air Construction Permit Modification
Project Name: Natural Gas (Modification)

COUNTY
Volusia County, Florida

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Waste and Air Resource Programs
Central District Office
Orlando, Florida 32803-3767
DEP_CD@dep.state.fl.us

March 25, 2013

Prepared by Jeff Rustin, P.E.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

GENERAL PROJECT INFORMATION

Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210, and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

I. Project Description:

A. Applicant:

Mr. Daniel Hoyt, Senior Plant Manager
Lane Construction Corporation
3350 Reynolds Road
Lakeland, FL 33803
dahoyt@laneconstruct.com

B. Professional Engineer:

Ms. Sharon C. McCall
Lane Construction Corporation
3350 Reynolds Road
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scradford@laneconstruct.com

C. Project Location:

427 Timaquan Trail
Edgewater, Florida 32132

D. Project Summary:

This project (modification) will authorize the use of natural gas as a fuel for the new drum mix asphalt plant. Additionally, this modification allows the use of recycled asphalt material and restricts the Portable RAP (Recycled Asphalt Pavement) crushing system's generator engine to use only ultra low sulfur diesel fuel.

E. Application Information:

Application Received on: 02/06/2013
Application Complete: 02/08/2013

II. PSD Applicability for Project

No increase in air emissions; therefore, this project is not subject to PSD preconstruction review.

III. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes, and Chapters 62-204 through 62-297, F.A.C., as indicated below.

Subject to:	**Y/N**	**Comments**
Rule 62-212.400, F.A.C. - Prevention of Significant Deterioration	N	Facility is not a PSD major source.
Rule 62-296.320(4), F.A.C. - General Particulate Emission Limiting Standards	Y	The facility is a potential source of unconfined particulate matter emissions.
Rules 62-296.320(1) and (2), F.A.C. - General Pollutant Emission Limiting Standards (VOCs and Odor)	Y	The facility is a potential source of VOCs and odor.
Rule 62-296.500, F.A.C. - Reasonably Available Control Technology (VOC)	N	Volusia County is an attainment area for ozone

Subject to:	Y/N	Comments
Rule 62-204.800(8), F.A.C. - Standards of Performance for New Stationary Sources (NSPS– 40 CFR 60)	Y	• EU Nos. 001 and 002 are subject to 40 CFR 60, Subpart A, where applicable. • EU No. 001 is subject to 40 CFR 60, Subpart I. • EU No. 002 is subject to 40 CFR 60, Subpart OOO.
Rule 62-204.800(11), F.A.C. National Emission Standard for Hazardous Air Pollutants for Source Categories a.k.a. MACT (NESHAPS –40 CFR 63)	N	EU No. 002 is not subject to 40 CFR 63, Subpart A and Subpart ZZZZ if the portable RAP crushing system does not stay continuously at the site 12 months or more.
Chapter 62-213, F.A.C. - Operation Permits for Major Sources of Air Pollution	N	Facility is a synthetic minor source.
Rule 62-297.310, F.A.C. - General Compliance Test Requirements	Y	• EU No. 001 - VE and PM testing required. • EU No. 002 - VE testing required.

IV. Summary of Emissions

Pollutant	EU No. and brief description	Potential Emissions * (tons/year)
PM	EU 001- drum mix asphalt plant	4.1
VOC	EU 001- drum mix asphalt plant	4.0
NOx	EU 001- drum mix asphalt plant	6.9
SO2	EU 001- drum mix asphalt plant	7.3
CO	EU 001- drum mix asphalt plant	16.3
VE	EU 001- drum mix asphalt plant	

*based on 500,000 tons of asphalt concrete product per consecutive 12 month period

V. Federal NSPS and/or NESHAP Provisions

A. NSPS, 40 CFR 60 Subpart A, General Provisions

B. NSPS, 40 CFR 60 Subpart I, Standards of Performance for Hot Mix Asphalt Facilities

C. NSPS, 40 CFR 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants

VI. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204 through 297, F.A.C.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204 through 297, F.A.C.

VII. Preliminary Determination

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Additional details of this analysis may be obtained by contacting the project engineer at the Florida Department of Environmental Protection, Waste & Air Resource Programs, Central District Office, 3319 Maguire Blvd., Ste. 232, Orlando, FL 32803-3767, by e-mail at jeff.rustin@dep.state.fl.us or by phone at 407-897-4100.