



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

The Lane Construction Corporation  
3350 Reynolds Road  
Lakeland, FL 33803

Indian River Asphalt Plant

Facility ID No. 0610099

**PROJECT**

Project No. 0610099-001-AC  
Application for Minor Source Air Construction Permit  
Project Name: 375 TPH Drum Mix Asphalt Plant

**COUNTY**

Indian River County, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Air Resource Management  
Central District Office  
Orlando, Florida 32803-3767

January 24, 2012

Prepared by Jeffrey Rustin, P.E.

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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### 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. Dan Hoyt, Senior Plant Manager  
The Lane Construction Corporation  
3350 Reynolds Road  
Lakeland, FL 33840

##### B. Professional Engineer:

Ms. Sharon McCall, P.E.  
The Lane Construction Corporation

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C. Project Location:

11010 Circle 512  
Fellsmere, FL 32948

D. Project Summary:

The purpose of this project is to authorize the construction of a 375 TPH drum mix asphalt plant to provide asphalt production support for a major road project (I-95).

E. Application Information:

Application Received on: 12/16/2011  
Application Complete: 12/16/2011

II. Rule Applicability

Federal Rules: 40 CFR 60.7, 40 CFR 60.8, 40 CFR 60.11, 40 CFR 60.12, 40 CFR 60.90, 40 CFR 60.91, 40 CFR 60.92, and 40 CFR 60.93 apply.

Used Oil: 40 CFR 761.20(e)(2) and (3); 40 CFR 279.11 (July 1, 2004); and 40 CFR Part 279, Subparts D and E apply.

State Rules 62-4, 62-210, 62-296, 62-297, F.A.C. apply. Used Oil: Rule 62-710, F.A.C. applies.

IV. Summary of Emissions

Pollutant	EU No. and brief description	Potential Emissions (tpy)	Allowable Emissions (tpy)
PM	EU No. 1 Drum Mix Asphalt Plant	54.75*	2.5
PM10	EU No. 1 Drum Mix Asphalt Plant	37.23*	1.7
SO <sub>2</sub>	EU No. 1 Drum Mix Asphalt Plant	96.36*	4.4
NO <sub>x</sub>	EU No. 1 Drum Mix Asphalt Plant	89.79*	4.1
CO	EU No. 1 Drum Mix Asphalt Plant	214.62*	9.8
VOC	EU No. 1 Drum Mix Asphalt Plant	52.56*	2.4

\* PTE is based on 8760 operational hours and 375 TPH. This Drum Mix Asphalt Plant is classified as a synthetic minor facility.

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

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### 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 Air Resource Management, Central District Office, 3319 Maguire Blvd., Suite 232, Orlando, Florida 32803-3767, 407/897-4100.