



**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

APPLICANT

Firmenich, Inc.
4330 Drane Field Rd.
Lakeland, Florida 33811

Lakeland Facility

Facility ID No. 1050409

PROJECT

Project No. 1050409-008-AC
Application for Minor Air Construction Permit
Project Name: Construction of 32 Tanks

COUNTY

Polk, Florida

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Air Resource Management
Southwest District Office
Temple Terrace, Florida 33637-7600

January 26, 2012

Prepared by Danny Stubbs

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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. Don Hendrix, Vice President
Firmenich, Inc.
4330 Drane Field Road
Lakeland, FL 33811

B. Professional Engineer:

Ms. Robynn Andracsek, P.E.
Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

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C. Project Location:

The facility located at 4330 Drane Field Road, Lakeland, Polk County

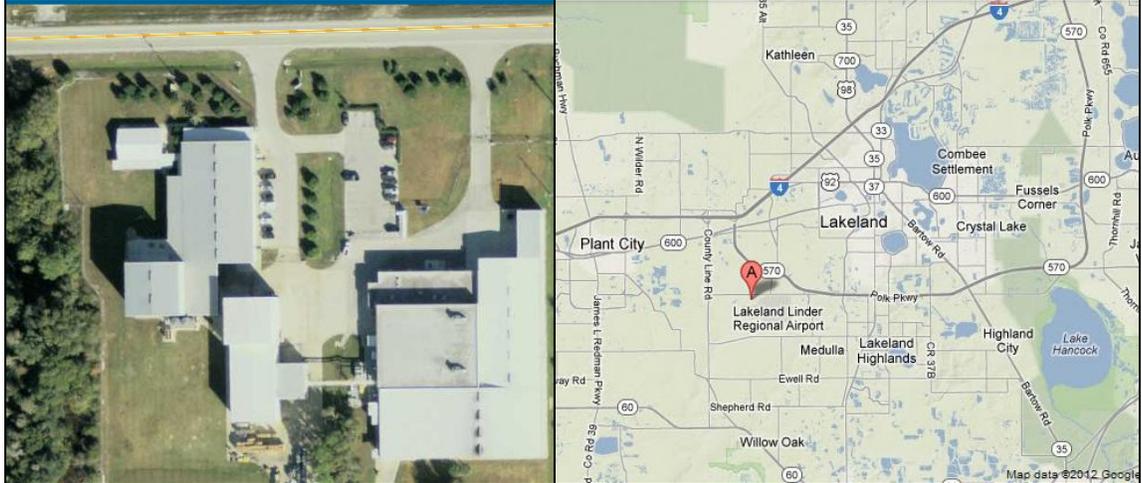


Figure 1. Aerial View and Map Location of the Firmenich, Inc., Lakeland Facility.

D. Project Summary:

This project is for the construction of 32 tanks at an existing facility that designs and manufactures juice and beverage ingredients (flavors) derived from natural citrus products and ingredients for the juice and beverage industry. Specifically, the project authorizes the installation of 25 citrus oil storage tanks, one 600 gallon propylene glycol storage tank and six process tanks (previously covered in Construction Permit 1050409-005-AC) ranging in size from 500 to 8000 gallons. The allowable limits for volatile organic compounds (VOCs) and total hazardous air pollutants (total HAPs) will not be increased as a result of this project.

E. Application Information:

Application Received on: 11/28/2011

Application Complete: 11/28/2011

Additional Information: 1/23/2012

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II. Rule Applicability

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

Subject to:	Y/N	Comments
Rule 62-210.300, F.A.C. - Project Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C.	Y	Not exempt from general permitting requirements
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	Project could be a 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	Project is a source of VOCs, could also be a source of odor
Rule 62-296.400, F.A.C. - Stationary Source Emission Standards	N	There is no applicable source category
Rule 62-296.500, F.A.C. - Reasonably Available Control Technology (VOC)	N	Polk County is not an air quality maintenance area for ozone
Rule 62-296.700, F.A.C. - Reasonably Available Control Technology (PM)	N	This is a new source and therefore not subject to PM RACT rule
Rule 62-204.800, F.A.C. - Standards of Performance for New Stationary Sources (NSPS)	N	There is no applicable source category
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants (NESHAPS - 40 CFR 61)	N	There is no applicable source category
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants for Source Categories a.k.a. MACT (NESHAPS - 40 CFR 63)	N	There is no applicable source category
Chapter 62-213, F.A.C. - Operation Permits for Major Sources of Air Pollution	N	Facility is a synthetic non-Title V source
Rule 62-297.310, F.A.C. - General Compliance Test Requirements, F.A.C.	N	Compliance testing is not required for this project.

