

Lane Regional Air Pollution Authority
Minimal Source Air Contaminant Discharge Permit

REVIEW REPORT

4 Beans, Inc.
dba: Siuslaw River Coffee Roasters

Permit No. 207526

PERMITTING

Permitting Action

1. This permit is renewal of an Air Contaminant Discharge Permit (ACDP) issued on February 28, 2000, for a new facility. This ACDP expired February 27, 2005.

Other Permits

2. No other permits have been issued or are required by LRAPA for this facility.

Attainment Status

3. The facility is located in an attainment area for criteria pollutants PM₁₀ (particulate matter less than 10 microns in size), CO, NO_x, SO_x, and VOC.

SOURCE DESCRIPTION

Overview

4. The facility operates a coffee roaster at 1240 Bay Street in Florence. The coffee roaster operates without a control device. Total annual production of roasted coffee for the facility is estimated to be less than 14,000 pounds. Baseline Emissions were not set in the permit because the facility is well below the Significant Emission Rates (SERs) as listed in Title 38 of LRAPA's Rules and Regulations. However, baseline emissions are considered to be "0" because the facility is a new facility constructed after 1977/1978. The facility typically operates several hours per day, several days per week.

Process and Control Devices

5. Existing air contaminant sources at the facility consist of the following:

1 Coffee Roaster

EMISSIONS

6. The pollutants of concern associated with this source type are PM and VOC. Emission calculation details are as follows:

Pollutant	Devices/ Processes	Annual Throughput (lbs)	Emission Factor (lb/ton)*	Emissions (lbs/yr)
PM	Coffee Roaster	14,000	0.66	5.00
VOC	Coffee Roaster	14,000	0.86	6.00

From AP-42, September 1995, Food and Agricultural Products, 9.13.2 Coffee Roasting, "Batch roaster". For PM, the emission factor is for "Continuous Roaster" as AP-42 lists no PM factor for "Batch Roaster". Operation of coffee roaster at design capacity of 120 pounds per hour, operating 24 hours per day, 365 days per year would result in PM and VOC emissions at 350 pounds and 525 pounds per year.

MINIMAL PERMIT DETERMINATION

7. LRAPA has determined that the facility qualifies as a minimal source for the following reasons:

Emissions from this facility are estimated to be less than five (5) tons per year of particulate matter and less than ten (10) tons per year for the criteria gaseous pollutants.

PUBLIC NOTICE

New Issue

8. The draft permit was on public notice from January 10, 2006 to February 9, 2006. No written comments were received during the 30-day comment period.

JM/bp
2/14/06