

Lane Regional Air Protection Agency
Minimal Source Air Contaminant Discharge Permit

REVIEW REPORT

Willamette Valley Sandblasting

Permit No. 208932

PERMITTING

Permitting Action

1. The permit is a permit renewal for an existing facility. The permit for the facility expired on February 20, 2007. The primary reason for this permit action is to issue the permit renewal.

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 all pollutants except PM₁₀ (particulate matter less than 10 microns in size). The Eugene/ Springfield Air Quality Management Area is a non-attainment area for PM₁₀.

SOURCE DESCRIPTION

Overview

4. The facility operates a sandblasting operation at 1250 South Bertelsen Road in Eugene and at various locations in Lane County. The facility controls PM (particulate matter)/PM₁₀ emissions by the use of enclosures and water spray. Baseline Emissions were not set in the permit because the facility is well below the Significant Emission Rates as listed in Title 38 of LRAPA=s Rules and Regulations.

Process and Control Devices

5. Existing air contaminant sources at the facility consist of the following:
 - a. Sandblasting Operation

EMISSIONS

6. The pollutant of concern associated with this source type is PM/PM₁₀. Emissions of PM are estimated to be 3.7 tons per year. The other criteria pollutants are emitted at negligible levels. Emission calculation details are as follows:

| Device/Process | Pollutant | Annual Throughput (lbs of sand) | Emission Factor (lb PM/1,000 lbs Abrasive)* | Emissions lbs/yr |
|---|-----------|---------------------------------|---|--------------------------|
| Sandblasting in shed with fabric covering | PM | 288,000 | 0.69 | 199 |
| Sandblasting without controls in 5-mph wind | PM | 288,000 | 27 | 7,776 |
| TOTAL | | | | 7,975 = 4 tons/yr |

* from AP-42 Table 13.2.6-1, Particulate Emission Factors for Abrasive Blasting.

MINIMAL PERMIT DETERMINATION

7. LRAPA has determined that the source qualifies as a minimal source for the following reasons:
 - a. Emissions from this source are estimated to be less than 5 tons per year of particulate matter and less than 10 tons per year for the criteria gaseous pollutants.

SPECIAL CONDITIONS

8. The facility is required to notify LRAPA at least 24 hours in advance of performing any mobile sandblasting operation. The facility is allowed to notify LRAPA one (1) hour in advance for those mobile sandblasting locations provided in a list to LRAPA, including location, property owner, and address. The list is to be submitted 60 days after the issuance of the permit and then by February 15th of each calendar year.

NESHAPS/MACT APPLICABILITY

10. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

NSPS APPLICABILITY

11. There are no sources at this facility for which NSPS standards have been promulgated.

PUBLIC NOTICE

12. The draft permit was on public notice from October 1, 2007 to October 30, 2007. No written comments were submitted during the 30-day comment period.

Max/cmw
11/01/07