

Lane Regional Air Pollution Authority
Minimal Source Air Contaminant Discharge Permit

REVIEW REPORT

Siuslaw Valley Crematory

Permit No. 200565

PERMITTING

Permitting Action

1. The action is a renewal for an existing Air Contaminant Discharge Permit (ACDP), which was issued on August 8, 1994, with an expiration date of August 7, 1999. Since the last renewal, it was modified to change the permit type from Regular to Minimal on March 27, 1997.

Location Area Attainment Status

2. Siuslaw Valley Crematory is located in Florence, which is in attainment of National Air Quality Standards for criteria pollutants PM, CO, VOC, NO_x, and SO_x.

SOURCE DESCRIPTION

Overview

3. The source operates a human crematory, constructed in 1994. The crematory unit is defined as a new unit since it was constructed or modified after March 13, 1990, (OAR 340-0255-0855(13)), and must meet an 1800° F after-burner temperature during the course of cremation. In 1998, the source performed 248 cremations and normally operates during what may be considered a normal 8 hours-per-day, 5 days-per-week, work week.
4. There have been no changes to the source since initially permitted.

Process and Control Devices

5. The source operates an Industrial Equipment & Engineering Co. (IEE) Power-Pak II, Model IE43-PPII, crematory unit. The crematory, fueled by natural gas, was put in service in 1994. Emissions are controlled, as required by regulation, by a secondary combustion chamber (after-burner) and exhaust gases from the after-burner are vented to the atmosphere.

EMISSIONS

6. Emissions for this source are expected to be minimal and consist mainly of particulate matter (PM) and products of combustion from the auxiliary fuel. A source performance PM stack test, as required by regulation, was performed by Horizon Engineering on June 10, 1994. The result of the PM stack test was 0.043 gr/dscf corrected to 7% O₂. The PM limit, as stated in LRAPA 30-045(1), is 0.08 gr/dscf. The average pound-per-hour PM emission rate was 0.15. Typical cremation duration is at worst case two (2) hours. At 248 cremations in 1998, PM emissions would be approximately 75 pounds.

MINIMAL PERMIT DETERMINATION

7. The Authority has determined that the source qualifies as a minimal source for the following reasons:
 - a. Emissions from this source are less than 5 tons per year of PM and less than 10 tons per year for the criteria gaseous pollutants.
 - b. The facility was inspected on March 18, 1999, and found to be in compliance with permit conditions.

SPECIAL CONDITIONS (Optional)

8. Not applicable.

NESHAPS APPLICABILITY

9. There are no sources at this facility for which NESHAPS standards have been promulgated.

NSPS APPLICABILITY

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

REPORTS

11. As directed by the Authority.

ENFORCEMENT HISTORY

12. There have been no enforcement actions against this source.

PUBLIC NOTICE

Renewal

13. The draft permit was placed on public notice from January 18, 2000 to February 17, 2000. No written comments were received during the 30-day comment period.