

Lane Regional Air Pollution Authority
Air Contaminant Discharge Permit

REVIEW REPORT

Quality Metal Finishing

Permit No. 207003

1. General Background Information

Quality Metal Finishing operates a metal plating operation in Eugene. The operation consists of tanks containing various liquid metals, acids, soaps and other chemicals used to plate metal parts and treat the associated waste generated from the process. The operating schedule for the source will be 2,080 hours/year (8 hours/day, 5 days/week, and 52 weeks/year).

2. Reasons for Permit Action

The primary reason for the permit issuance is due to past LRAPA's concern regarding plating emissions, however chrome plating is not performed at the site and the need for having this source under a permit needs to be re-evaluated prior to renewal.

3. Enforcement History

There have been no enforcement actions against the source by LRAPA.

4. Plant Site Emissions

The pollutants resulting from process operations at the site are nickel, acid fumes, particulate matter and minimal emissions from natural gas combustion. Thorough research was conducted to estimate the emissions for the source but no emission factors were available. Other estimation methods including material balance were considered but the information necessary to do this type of analysis was unattainable. Based on the bath temperature, density and cathode efficiencies of 95-98% that are common to the process, nickel and acid mist emissions are expected to be insignificant.

5. Notification Requirements

The source is required to notify LRAPA prior to making changes that increase emissions.

6. Public Notice

The draft permit was placed on public notice from September 21, 2000, to October 23, 2000. No written comments were received during this comment period.

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7/2/01