

Storage Tanks

General Description

- ❖ The Laboratory maintains and operates underground and aboveground storage tanks throughout the Laboratory site. All of the tanks are fixed-roof vertical or horizontal tanks. The tanks store gasoline, No. 2 fuel oil, mineral oil, dielectric oil, asphalt emulsion, and scintillation oil.
- ❖ All the storage tanks were evaluated to determine which qualified as an insignificant activity under NMED guidance. Part of this analysis was determining whether an applicable requirement, in this case the EPA New Source Performance Standards (NSPS) for storage tanks at 40 CFR Part 60, Subparts K, Ka, and Kb, applied to the tanks.
- ❖ Sixteen storage tanks do not qualify as an insignificant activity because they are regulated under the NSPS at Subpart Kb. For these tanks, Subpart Kb does not require any control systems because emissions from the tank contents (mineral oil, dielectric oil, scintillation oil, No. 2 fuel oil, and asphalt emulsion) are minimal.

Applicable Requirements

- ❖ The storage tanks are subject to the Subpart Kb NSPS, but because of the low volatility of the stored contents, the tanks are not subject to any emissions standard or control requirement within the rule.

Proposed Monitoring, Recordkeeping, and Reporting

- ❖ Monitoring/Recordkeeping: Maintain records of the tank dimensions and capacity, and keep a record of the vapor pressure of the tank contents.
- ❖ Reporting: Submit a semi-annual emissions report and monitoring report to the NMED.

Comparison of Storage Tanks and LANL Emissions

