

State of Hawaii, Department of Health

AERR and SLEIS

AERR

The Environmental Protection Agency's (EPA's) Air Emissions Reporting Requirements (AERR), an update to the previous Consolidated Emissions Reporting Requirements (CERR), specifies which facilities must submit point source emissions inventory reports. The AERR rule in 40 Code of Federal Regulations (CFR) 51.1 - 51.50 applies to criteria pollutants and precursors. Facilities subject to AERR, are required to report the **actual** ton per year emissions of:

- a. Sulfur dioxide (SO₂);
- b. Volatile organic compounds (VOCs);
- c. Nitrogen oxides (NO_x);
- d. Carbon monoxide (CO);
- e. Lead (Pb) and lead compounds;
- f. Primary particulate less than or equal to 2.5 microns (PM_{2.5}), and as applicable, also report filterable and condensable components;
- g. Primary particulate matter less than or equal to 10 microns (PM₁₀), and as applicable, also report filterable and condensable components;
- h. Ammonia (NH₃); and
- i. The voluntary reporting of the actual ton per year hazardous air pollutant (HAP) emissions.

With the exception of lead, facilities are classified by AERR as Type A (large major sources) or Type B (small major sources) based on the maximum **potential** to emit. For lead, the reporting threshold is based on actual emissions. Type A and B facilities must submit emission inventory reports to the Department of Health – Clean Air Branch (DOH-CAB) annually.

The DOH-CAB submits an emissions inventory report to the EPA's Emissions Inventory System (EIS) every year for Type A sources and every three (3) years for Type B sources. The AERR rule reporting thresholds in tons per year of pollutant are as follows:

Point Source Reporting Thresholds (tons per year) ^a		
Pollutant	Annual Cycle (Type A Sources)	Three-year Cycle (Type B Sources)
SO _x	≥2,500	≥100
VOC	≥250	≥100
NO _x	≥2,500	≥100
CO	≥2,500	≥1,000
Pb		≥0.5 (actual)
PM ₁₀	≥250	≥100
PM _{2.5}	≥250	≥100
NH ₃	≥250	≥100

a: Except for lead, based on the maximum potential to emit.

SLEIS

The new State and Local Emissions Inventory System (SLEIS) is a tool for facilities to report **actual** tons per year point source emissions inventory data to DOH-CAB electronically.

Pollutants reported include SO₂, VOC, NO_x, CO, Pb, PM₁₀, PM_{2.5}, NH₃, and HAPs in accordance with annual emissions reporting requirements and AERR. The DOH-CAB will use SLEIS to submit emissions data reported by Type A and B facilities to EPA's EIS.

The SLEIS Homepage is at: <https://eha-cloud.doh.hawaii.gov/sleis>