

ARB METHOD 150: Determination of Hydrocarbon Emissions from Fixed-Roof
Crude Oil Process Tanks

Principle

During the normal operations at a fixed-roof crude oil process tank, all possible points of emission are checked for vapor leaks. The product throughput is recorded. The volume concentration, temperature, and pressure of the hydrocarbon vapors emitted through a preselected vent on the process tank are measured. The mass emission of hydrocarbons is calculated from these determinations.

Applicability

The following test procedures are for determining the mass emissions of hydrocarbon vapors emitted from fixed-roof crude oil process tanks up to 5,000 barrel capacity during normal processing conditions. Depending on processing conditions, larger tanks may require alternative methods that can handle larger volumes of vapor than provided by this method.

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