

## § 60.447

(c) If the owner or operator can demonstrate to the Administrator's satisfaction that testing of representative stacks yields results comparable to those that would be obtained by testing all stacks, the Administrator will approve testing of representative stacks on a case-by-case basis.

[48 FR 48375, Oct. 18, 1983, as amended at 65 FR 61761, Oct. 17, 2000]

### § 60.447 Reporting requirements.

(a) For all affected facilities subject to compliance with § 60.442, the performance test data and results from the performance test shall be submitted to the Administrator as specified in § 60.8(a) of the General Provisions (40 CFR part 60, subpart A).

(b) Following the initial performance test, the owner or operator of each affected facility shall submit quarterly reports to the Administrator of exceedances of the VOC emission limits specified in § 60.442. If no such exceedances occur during a particular quarter, a report stating this shall be submitted to the Administrator semi-annually.

(c) The owner or operator of each affected facility shall also submit reports at the frequency specified in § 60.7(c) when the incinerator temperature drops as defined under § 60.443(e). If no such periods occur, the owner or operator shall state this in the report.

(d) The requirements of this subsection remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected sources within the State will be relieved of the obligation to comply with this subsection, provided that they comply with the requirements established by the State.

[48 FR 48375, Oct. 18, 1983, as amended at 55 FR 51383, Dec. 13, 1990]

## Subpart SS—Standards of Performance for Industrial Surface Coating: Large Appliances

SOURCE: 47 FR 47785, Oct. 27, 1982, unless otherwise noted.

## 40 CFR Ch. I (7–1–10 Edition)

### § 60.450 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to each surface coating operation in a large appliance surface coating line.

(b) The provisions of this subpart apply to each affected facility identified in paragraph (a) of this section that commences construction, modification, or reconstruction after December 24, 1980.

### § 60.451 Definitions.

(a) All terms used in this subpart not defined below are given the meaning in the Act or in subpart A of this part.

*Applied coating solids* means the coating solids that adhere to the surface of the large appliance part being coated.

*Coating application station* means that portion of the large appliance surface coating operation where a prime coat or a top coat is applied to large appliance parts or products (e.g., dip tank, spray booth, or flow coating unit).

*Curing oven* means a device that uses heat to dry or cure the coating(s) applied to large appliance parts or products.

*Electrodeposition (EDP)* means a method of coating application in which the large appliance part or product is submerged in a tank filled with coating material suspended in water and an electrical potential is used to enhance deposition of the material on the part or product.

*Flashoff area* means the portion of a surface coating line between the coating application station and the curing oven.

*Large appliance part* means any organic surface-coated metal lid, door, casing, panel, or other interior or exterior metal part or accessory that is assembled to form a large appliance product. Parts subject to in-use temperatures in excess of 250 °F are not included in this definition.

*Large appliance product* means any organic surface-coated metal range, oven, microwave oven, refrigerator, freezer, washer, dryer, dishwasher, water heater, or trash compactor manufactured for household, commercial, or recreational use.

*Large appliance surface coating line* means that portion of a large appliance

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assembly plant engaged in the application and curing of organic surface coatings on large appliance parts or products.

*Organic coating* means any coating used in a surface coating operation, including dilution solvents, from which VOC emissions occur during the application or the curing process. For the purpose of this regulation, powder coatings are not included in this definition.

*Powder coating* means any surface coating that is applied as a dry powder and is fused into a continuous coating film through the use of heat.

*Spray booth* means the structure housing automatic or manual spray application equipment where a coating is applied to large appliance parts or products.

*Surface coating operation* means the system on a large appliance surface coating line used to apply and dry or cure an organic coating on the surface of large appliance parts or products. The surface coating operation may be a prime coat or a topcoat operation and includes the coating application station(s), flashoff area, and curing oven.

*Transfer efficiency* means the ratio of the amount of coating solids deposited onto the surface of a large appliance part or product to the total amount of coating solids used.

*VOC content* means the proportion of a coating that is volatile organic compounds (VOC's), expressed as kilograms of VOC's per liter of coating solids.

*VOC emissions* means the mass of volatile organic compounds (VOC's), expressed as kilograms of VOC's per liter of applied coating solids, emitted from a surface coating operation.

(b) All symbols used in this subpart not defined below are given the meaning in the Act or subpart A of this part.

$C_a$  = the concentration of VOC's in a gas stream leaving a control device and entering the atmosphere (parts per million by volume, as carbon).

$C_c$  = the concentration of VOC's in a gas stream entering a control device (parts per million by volume, as carbon).

$C_d$  = the concentration of VOC's in a gas stream emitted directly to the atmosphere (parts per million by volume, as carbon).

$D_c$  = density of coating (or input stream), as received (kilograms per liter).

$D_a$  = density of a VOC-solvent added to coatings (kilograms per liter).

$D_r$  = density of a VOC-solvent recovered by an emission control device (kilograms per liter).

$E$  = the VOC destruction efficiency of a control device (fraction).

$F$  = the proportion of total VOC's emitted by an affected facility that enters a control device (fraction).

$G$  = the volume-weighted average mass of VOC's in coatings consumed in a calendar month per unit volume of applied coating solids (kilograms per liter).

$L_c$  = the volume of coating consumed, as received (liters).

$L_a$  = the volume of VOC-solvent added to coatings (liters).

$L_r$  = the volume of VOC-solvent recovered by an emission control device (liters).

$L_s$  = the volume of coating solids consumed (liters).

$M_a$  = the mass of VOC-solvent added to coatings (kilograms).

$M_c$  = the mass of VOC's in coatings consumed, as received (kilograms).

$M_r$  = the mass of VOC's recovered by an emission control device (kilograms).

$N$  = the volume-weighted average mass of VOC's emitted to the atmosphere per unit volume of applied coating solids (kilograms per liter).

$Q_a$  = the volumetric flow rate of a gas stream leaving a control device and entering the atmosphere (dry standard cubic meters per hour).

$Q_c$  = the volumetric flow rate of a gas stream entering a control device (dry standard cubic meters per hour).

$Q_d$  = the volumetric flow rate of a gas stream emitted directly to the atmosphere (dry standard cubic meters per hour).

$R$  = the overall VOC emission reduction achieved for an affected facility (fraction).

$T$  = the transfer efficiency (fraction).

$V_i$  = the proportion of solids in a coating (or input stream), as received (fraction by volume).

$W_o$  = the proportion of VOC's in a coating (or input stream), as received (fraction by weight).

### § 60.452 Standard for volatile organic compounds.

On or after the date on which the performance test required by § 60.8 is completed, no owner or operator of an affected facility subject to the provisions of this subpart shall discharge or cause the discharge of VOC emissions that exceed 0.90 kilogram of VOC's per liter of applied coating solids from any surface coating operation on a large appliance surface coating line.