

§ 63.5749

40 CFR Ch. I (7-1-04 Edition)

(f) Keep records of the calculations used to determine compliance.

(g) *Approval of alternative means of demonstrating compliance.* You may apply to the Administrator for permission to use an alternative means (such as an add-on control system) of limiting emissions from aluminum wipedown solvent and coating operations and demonstrating compliance with the emission limits in § 63.5743(a).

(1) The application must include the information listed in paragraphs (g)(1)(i) through (iii) of this section.

(i) An engineering evaluation that compares the emissions using the alternative means to the emissions that would result from using the strategy specified in paragraphs (a) through (e) of this section. The engineering evaluation may include the results from an emission test that accurately measures the capture efficiency and control device efficiency achieved by the control system and the composition of the associated coatings so that the emissions comparison can be made.

(ii) A proposed monitoring protocol that includes operating parameter values to be monitored for compliance and an explanation of how the operating parameter values will be established through a performance test.

(iii) Details of appropriate record-keeping and reporting procedures.

(2) The Administrator will approve the alternative means of limiting emissions if the Administrator determines that HAP emissions will be no greater than if the source uses the procedures described in paragraphs (a) through (e) of this section to demonstrate compliance.

(3) The Administrator's approval may specify operation, maintenance, and monitoring requirements to ensure that emissions from the regulated operations are no greater than those that would otherwise result from regulated operations in compliance with this subpart.

**§ 63.5749 How do I calculate the organic HAP content of aluminum wipedown solvents?**

(a) Use equation 1 of this section to calculate the weighted-average organic HAP content of aluminum wipedown solvents used in the past 12 months.

$$\text{HAP}_{\text{WD}} = \frac{\sum_{j=1}^n (\text{Vol}_j)(D_j)(W_j)}{\sum_{i=1}^m (\text{Vol}_i)(\text{Solids}_i)} \quad (\text{Eq. 1})$$

Where:

HAP<sub>WD</sub> = weighted-average organic HAP content of aluminum wipedown solvents, kilograms of HAP per liter of total coating solids from aluminum primers, top coats, and clear coats.

n = number of different wipedown solvents used in the past 12 months.

Vol<sub>j</sub> = volume of aluminum wipedown solvent j used in the past 12 months, liters.

D<sub>j</sub> = density of aluminum wipedown solvent j, kilograms per liter.

W<sub>j</sub> = mass fraction of organic HAP in aluminum wipedown solvent j.

m = number of different aluminum surface coatings (primers, top coats, and clear coats) used in the past 12 months.

Vol<sub>i</sub> = volume of aluminum primer, top coat, or clear coat i used in the past 12 months, liters.

Solids<sub>i</sub> = solids content aluminum primer, top coat, or clear coat i, liter solids per liter of coating.

(b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 0.33 kilograms of organic HAP per liter of total coating solids, then you are in compliance with the emission limit specified in § 63.5743(a)(1).

**§ 63.5752 How do I calculate the organic HAP content of aluminum recreational boat surface coatings?**

(a) Use equation 1 of this section to calculate the weighted-average HAP content for all aluminum surface coatings used in the past 12 months.

$$\text{HAP}_{\text{SC}} = \frac{\sum_{i=1}^m (\text{Vol}_i)(D_i)(W_i) + \sum_{k=1}^D (\text{Vol}_k)(D_k)(W_k)}{\sum_{i=1}^m (\text{Vol}_i)(\text{Solids}_i)} \quad (\text{Eq. 1})$$

Where:

$\text{HAP}_{\text{SC}}$  = weighted-average organic HAP content for all aluminum coating materials, kilograms of organic HAP per liter of coating solids.

$m$  = number of different aluminum primers, top coats, and clear coats used in the past 12 months.

$\text{Vol}_i$  = volume of aluminum primer, top coat, or clear coat  $i$  used in the past 12 months, liters.

$D_i$  = density of coating  $i$ , kilograms per liter.

$W_i$  = mass fraction of organic HAP in coating  $i$ , kilograms of organic HAP per kilogram of coating.

$p$  = number of different thinners, activators, and other coating additives used in the past 12 months.

$\text{Vol}_k$  = total volume of thinner, activator, or additive  $k$  used in the past 12 months, liters.

$D_k$  = density of thinner, activator, or additive  $k$ , kilograms per liter.

$W_k$  = mass fraction of organic HAP in thinner, activator, or additive  $k$ , kilograms of

organic HAP per kilogram of thinner or activator.

$\text{Solids}_i$  = solids content of aluminum primer, top coat, or clear coat  $i$ , liter solids per liter of coating.

(b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 1.22 kilograms of organic HAP per liter of coating solids, then you are in compliance with the emission limit specified in § 63.5743(a)(2).

**§ 63.5753 How do I calculate the combined organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings?**

(a) Use equation 1 of this section to calculate the combined weighted-average organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings.

$$\text{HAP}_{\text{Combined}} = \text{HAP}_{\text{WD}} + \text{HAP}_{\text{SC}} \quad (\text{Eq. 1})$$

Where:

$\text{HAP}_{\text{WD}}$  = the weighted-average organic HAP content of aluminum wipedown solvents used in the past 12 months, calculated using equation 1 of § 63.5749.

$\text{HAP}_{\text{SC}}$  = the weighted average organic HAP content of aluminum recreational boat surface coatings used in the past 12 months, calculated using equation 1 of § 63.5752.

(b) Compliance is based on a 12-month rolling average. If the combined organic HAP content does not exceed 1.55 kilograms of organic HAP per liter of total coating solids, then you are in compliance with the emission limit specified in § 63.5743(a)(3).

**§ 63.5755 How do I demonstrate compliance with the aluminum recreational boat surface coating spray gun cleaning work practice standards?**

You must demonstrate compliance with the aluminum coating spray gun cleaning work practice standards by meeting the requirements of paragraph (a) or (b) of this section.

(a) Demonstrate that solvents used to clean the aluminum coating spray guns contain no more than 5 percent organic HAP by weight by determining organic HAP content with the methods in § 63.5758. Keep records of the organic HAP content determination.

(b) For solvents containing more than 5 percent organic HAP by weight,