

$W_{c,i}$  = Mass fraction of organic HAP in coating, i, grams per gram.  
 $m$  = Number of different coatings used.

(ii) Calculate the mass of organic HAP in the thinners used in the coating operation controlled by the solvent

recovery system, grams, using Equation 3B of this section:

$$B_{CSR} = \sum_{j=1}^n (Vol_{t,j})(D_{t,j})(W_{t,j}) \quad (\text{Eq. 3B})$$

Where:

$B_{CSR}$  = Total mass of organic HAP in the thinners used in the coating operation controlled by the solvent recovery system during the month, grams.

$Vol_{t,j}$  = Total volume of thinner, j, used during the month in the coating operation controlled by the solvent recovery system, liters.

$D_{t,j}$  = Density of thinner, j, grams per liter.

$W_{t,j}$  = Mass fraction of organic HAP in thinner, j, grams per gram.

$n$  = Number of different thinners used.

(iii) Calculate the mass of organic HAP in the cleaning materials used in the coating operation controlled by the solvent recovery system during the month, grams, using Equation 3C of this section.

$$C_{CSR} = \sum_{k=1}^p (Vol_{s,k})(D_{s,k})(W_{s,k}) \quad (\text{Eq. 3C})$$

Where:

$C_{CSR}$  = Total mass of organic HAP in the cleaning materials used in the coating operation controlled by the solvent recovery system during the month, grams.

$Vol_{s,k}$  = Total volume of cleaning material, k, used during the month in the coating operation controlled by the solvent recovery system, liters.

$D_{s,k}$  = Density of cleaning material, k, grams per liter.

$W_{s,k}$  = Mass fraction of organic HAP in cleaning material, k, grams per gram.

$p$  = Number of different cleaning materials used.

(k) *Calculate the total volume of coating solids used.* Determine the total volume of coating solids used, liters, which is the combined volume of

coating solids for all the coatings used during each month in the coating operation or group of coating operations for which you use the emission rate with add-on controls option, using Equation 2 of § 63.4751.

(l) *Calculate the mass of organic HAP emissions for each month.* Determine the mass of organic HAP emissions, grams, during each month, using Equation 4 of this section.

$$H_{HAP} = H_e - \sum_{i=1}^q (H_{c,i}) - \sum_{j=1}^r (H_{CSR,j}) \quad (\text{Eq. 4})$$

Where:

$H_{HAP}$  = Total mass of organic HAP emissions for the month, grams.

$H_e$  = Total mass of organic HAP emissions before add-on controls from all the coatings, thinners, and cleaning materials used during the month, grams, determined according to paragraph (f) of this section.

$H_{c,i}$  = Total mass of organic HAP emission reduction for controlled coating operation, i, not using a liquid-liquid material balance, during the month, grams, from Equation 1 of this section.

$H_{CSR,j}$  = Total mass of organic HAP emission reduction for coating operation, j, controlled by a solvent recovery system using a liquid-liquid material balance, during the month, grams, from Equation 3 of this section.

$q$  = Number of controlled coating operations not using a liquid-liquid material balance.

$r$  = Number of coating operations controlled by a solvent recovery system using a liquid-liquid material balance.

(m) *Calculate the organic HAP emission rate for the 12-month compliance period.* Determine the organic HAP emission rate for the 12-month compliance period, grams organic HAP per liter coating solids used, using Equation 5 of this section:

$$H_{\text{annual}} = \frac{\sum_{y=1}^{12} H_{HAP,y}}{\sum_{y=1}^{12} V_{st,y}} \quad (\text{Eq. 5})$$

Where:

$H_{\text{annual}}$  = Organic HAP emission rate for the 12-month compliance period, grams organic HAP per liter coating solids.

$H_{HAP,y}$  = Organic HAP emission rate for month, y, determined according to Equation 4 of this section.

$V_{st,y}$  = Total volume of coating solids, liters, used during month, y, from Equation 2 of § 63.4751.

$y$  = Identifier for months.

(n) *Compliance demonstration.* To demonstrate initial compliance with the emission limit, the organic HAP emission rate, calculated using Equation 5 of this section, must be less than or equal to the applicable emission limit in § 63.4690. You must keep all records as required by §§ 63.4730 and 63.4731. As part of the Notification of Compliance Status required by § 63.4710, you must identify the coating operation(s) for which you used the emission rate with add-on controls option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in § 63.4690, and you achieved the operating limits required by § 63.4692