

without add-on controls option, or the control efficiency/outlet concentration option for any coating operation in the affected source for which you do not use the emission rate with add-on controls option. To demonstrate initial compliance, the coating operation(s) for which you use the emission rate with add-on controls option must meet the applicable emission limitations in § 63.3490. You must conduct a separate initial compliance demonstration for each one and two-piece draw and iron can body coating, sheet coating, three-piece can body assembly coating, and end lining affected source. You must meet all the requirements of this section to demonstrate initial compliance with the emission limitations. When calculating the organic HAP emission rate according to this section, do not include any coatings or thinners used on coating operations for which you use the compliant material option, the emission rate without add-on controls option, or the control efficiency/outlet concentration option. You do not need to redetermine the mass of organic HAP in coatings or thinners that have been reclaimed on-site and reused in the coating operation(s) for which you use the emission rate with add-on controls option.

(b) *Compliance with operating limits.* Except as provided in § 63.3560(a)(4) and except for solvent recovery systems for which you conduct liquid-liquid material balances according to the requirements of § 63.3561(j), you must establish and demonstrate continuous compliance during the initial compliance period with the operating limits required by § 63.3492 using the

procedures specified in §§ 63.3567 and 63.3568.

(c) *Compliance with work practice requirements.* You must develop, implement, and document your implementation of the work practice plan required by § 63.3493 during the initial compliance period, as specified in § 63.3530.

(d) *Compliance with emission limits.* You must follow the procedures in paragraphs (e) through (n) of this section to demonstrate compliance with the applicable emission limit in § 63.3490.

(e) *Determine the mass fraction of organic HAP, density, volume used, and volume fraction of coating solids.* Follow the procedures specified in § 63.3551(a) through (d) to determine the mass fraction of organic HAP, density, and volume of each coating and thinner used during each month and the volume fraction of coating solids for each coating used during each month.

(f) *Calculate the total mass of organic HAP emissions before add-on controls.* Using Equation 1 of § 63.3551, calculate the total mass of organic HAP emissions before add-on controls from all coatings and thinners 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.

(g) *Calculate the organic HAP emission reduction for each controlled coating operation.* Determine the mass of organic HAP emissions reduced for each controlled coating operation during each month. The emission reduction determination quantifies the total organic HAP emissions that pass through the emission capture system and are destroyed or removed by the

add-on control device. Use the procedures in paragraph (h) of this section to calculate the mass of organic HAP emission reduction for each controlled coating operation using an emission capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances. For each controlled coating operation using a solvent recovery system for which you conduct a liquid-liquid material balance, use the procedures in paragraph (j) of this section to calculate the organic HAP emission reduction.

(h) *Calculate the organic HAP emission reduction for each controlled coating operation not using liquid-liquid material balances.* For each controlled coating operation using an emission capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances, calculate the organic HAP emission reduction, using Equation 1 of this section. The calculation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coatings and thinners that are used in the coating operation served by the emission capture system and add-on control device during each month. Equation 1 of this section accounts for any period of time a deviation specified in § 63.3563(c) or (d) occurs in the controlled coating operation, including a deviation during a period of startup, shutdown, or malfunction during which you must assume zero efficiency for the emission capture system and add-on control device.

$$H_c = (A_c + B_c - R_w \left(\frac{CE}{100} \times \frac{DRE}{100} \right) \left(\frac{T_{op} - T_{dev}}{T_{op}} \right)) \quad (\text{Eq. 1})$$

Where:

H_c = mass of organic HAP emission reduction for the controlled coating operation during the month, kg.

A_c = total mass of organic HAP in the coatings used in the controlled coating operation during the month, kg, as calculated in Equation 1A of this section.

B_c = total mass of organic HAP in the thinners used in the controlled coating operation during the month, kg, as calculated in Equation 1B of this section.

R_w = total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to § 63.3551(e)(4).

CE = capture efficiency of the emission capture system vented to the add-on control device, percent. Use the test methods and procedures specified in §§ 63.3564 and 63.3565 to measure and record capture efficiency.

DRE = organic HAP destruction or removal efficiency of the add-on

control device, percent. Use the test methods and procedures in §§ 63.3564 and 63.3566 to measure and record the organic HAP destruction or removal efficiency.

T_{op} = total time period of operation of controlled coating operation during the month, hours.

T_{dev} = total time period of deviations for controlled coating operation during the month, hours.

(1) Calculate the mass of organic HAP in the coatings used in the controlled coating operation, kg, using Equation 1A of this section.