$Vol_{c,i}$ = Total volume of coating, i, used during the month, liters.
$V_{s,i}$ = Volume fraction of coating solids for coating, i, liter solids per liter coating, determined according to §63.3521(b).
m = Number of coatings used during the month.

(g) *Calculate the organic HAP emission rate.* Calculate the organic HAP emission rate for the 12-month compliance period, kg organic HAP per liter coating solids used, using Equation 3 of this section.

$$H_{yr} = \frac{\sum_{y=1}^{12} H_e}{\sum_{y=1}^{12} V_{st}} \qquad \text{(Eq. 3)}$$

Where:

H_{yr} = Organic HAP emission rate for the 12-month compliance period, kg organic HAP per liter coating solids.
H_e = Total mass of organic HAP emissions, kg, from all materials used during month, y, as calculated by Equation 1 of this section.
V_{st} = Total volume of coating solids, liters, used during month, y, as calculated by Equation 2 of this section.
y = Identifier for months.

(h) *Compliance demonstration.* The organic HAP emission rate for the initial 12-month compliance period, H_{yr}, must be less than or equal to the applicable emission limit in §63.3490. You must keep all records as required by §§63.3512 and 63.3513. As part of the Notification of Compliance Status required by §63.3510, you must identify the coating operation(s) for which you used the emission rate without 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 §63.3490, determined according to this section.

(i) *Alternative calculation of overall subcategory emission limit (OSEL).* Alternatively, if your affected source applies coatings in more than one coating type segment within a subcategory, you may calculate an overall HAP emission limit for the subcategory using Equation 4 of this section. If you use this approach, you must limit organic HAP emissions to the atmosphere to the OSEL specified by Equation 4 of this section during each 12-month compliance period.

$$OSEL = \frac{\sum_{i=1}^{n} L_i(V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{(Eq. 4)}$$

Where:

OSEL = Total allowable organic HAP in kg HAP/liter coating solids (pound (lb) HAP/gal solids) that can be emitted to the atmosphere from all coating type segments in the subcategory.
L_i = HAP emission limit for coating type segment i from Table 1 for a new or reconstructed source or Table 2 for an existing source, kg HAP/liter coating solids (lb HAP/gal solids).
V_i = Total volume of coating solids in liters (gal) for all coatings in coating type segment i used during the 12-month compliance period.
n = Number of coating type segments within one subcategory being used at the affected source.

You must use the OSEL determined by Equation 4 of this section throughout the 12-month compliance period and may not switch between compliance with individual coating type limits and an OSEL. You may not include coatings in different subcategories in determining your OSEL by this approach. You must keep all records as required by §§63.3512 and 63.3513. As part of the Notification of Compliance Status required by §63.3510, you must identify the subcategory for which you used a calculated OSEL 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 for the subcategory was less than or equal to the OSEL determined according to this section.

[68 FR 64446, Nov. 13, 2003, as amended at 71 FR 1384, Jan. 6, 2006]

§63.3532 How do I demonstrate continuous compliance with the emission limitations?

(a) To demonstrate continuous compliance, the organic HAP emission rate

for each compliance period, determined according to §63.3531(a) through (g), must be less than or equal to the applicable emission limit in §63.3490. Alternatively, if you calculate an OSEL for all coating type segments within a subcategory according to §63.3531(i), the organic HAP emission rate for the subcategory for each compliance period must be less than or equal to the calculated OSEL. You must use the calculated OSEL throughout each compliance period. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in §63.3530 is the end of a compliance period consisting of that month and the preceding 11 months. You must perform the calculations in §63.3531(a) through (g) on a monthly basis using data from the previous 12 months of operation.

(b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in §63.3490 or the OSEL calculated according to §63.3531(i), this is a deviation from the emission limitations for that compliance period and must be reported as specified in §§63.3510(c)(6) and 63.3511(a)(6).

(c) As part of each semiannual compliance report required by §63.3511, you must identify the coating operation(s) for which you used the emission rate without add-on controls option. If there were no deviations from the emission limitations, you must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in §63.3490 determined according to §63.3531(a) through (g), or using the OSEL calculated according to §63.3531(i).

(d) You must maintain records as specified in §§63.3512 and 63.3513.

COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITH ADD-ON CONTROLS OPTION

§63.3540 By what date must I conduct performance tests and other initial compliance demonstrations?

(a) *New and reconstructed affected sources.* For a new or reconstructed affected source, you must meet the requirements of paragraphs (a)(1) through (4) of this section.

(1) All emission capture systems, add-on control devices, and CPMS must be installed and operating no later than the applicable compliance date specified in §63.3483. Except for solvent recovery systems for which you conduct liquid-liquid material balances according to §63.3541(i), you must conduct a performance test of each capture system and add-on control device according to §§63.3543, 63.3544, and 63.3545 and establish the operating limits required by §63.3492 no later than 180 days after the applicable compliance date specified in §63.3483. For a solvent recovery system for which you conduct liquid-liquid material balances according to §63.3541(i), you must initiate the first material balance no later than the applicable compliance date specified in §63.3483.

(2) You must develop and begin implementing the work practice plan required by §63.3493 no later than the compliance date specified in §63.3483.

(3) You must complete the initial compliance demonstration for the initial compliance period according to the requirements of §63.3541. The initial compliance period begins on the applicable compliance date specified in §63.3483 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next 12 months. You must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate a 12-month organic HAP emission rate at the end of the initial 12-month compliance period. The initial compliance demonstration includes the results of emission capture system and add-on control device performance tests conducted according to §§63.3543, 63.3544, and 63.3545; results of liquid-liquid material balances conducted according to §63.3541(i); calculations according to §63.3541 and supporting documentation showing that, during the initial compliance period, the organic HAP emission rate was equal to or less than the emission limit in §63.3490(a);