

limits and that you use no organic-HAP-containing thinners.

Option 2: Compliance Based on the Emission Rate without Add-on Controls Option. If you demonstrate compliance based on the emission rate without add-on controls option, you must determine the mass of organic HAP in all coatings and thinners used in each coating type segment each month during the initial compliance period, and the volume fraction of coating solids in all coatings in each coating type segment used each month during the initial compliance period.

To determine the mass of organic HAP in coatings and thinners and the volume fraction of coating solids, you may use either manufacturer's data or test results using the test methods listed below. You may use alternative test methods provided that you get EPA approval in accordance with 40 CFR 63.7(f). However, if there is any inconsistency between the test method results (either EPA's or an approved alternative) and manufacturer's data, the test method results will prevail for compliance and enforcement purposes unless, after consultation, you can demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

- For organic HAP content, use Method 311 in 40 CFR part 63, appendix A.

- The final rule allows you to use nonaqueous volatile matter as a surrogate for organic HAP. If you choose that option, use Method 24 in 40 CFR part 60, appendix A to determine nonaqueous volatile matter.

- For volume fraction of coating solids, use either information from the supplier or manufacturer of the material, ASTM Method D2697-86 (Reapproved 1998), or ASTM Method D6093-97.

To demonstrate initial compliance based on the emission rate without add-on controls option, you are required to demonstrate that the total mass of organic HAP in all coatings and thinners in each coating type segment divided by the total volume of coating solids in that coating type segment meets the applicable emission limit. For the emission rate without add-on controls option, you are required to perform the following:

- Determine the quantity of each coating and thinner used in each coating type segment.

- Determine the mass of organic HAP in each coating and thinner in each coating type segment.

- Determine the volume fraction of coating solids for each coating in each coating type segment.

- Calculate the total mass of organic HAP in all materials in each coating type segment and total volume of coating solids in each coating type segment for each month of the initial compliance period. You may subtract from the total mass of organic HAP the amount contained in waste materials you send to a hazardous waste treatment, storage, and disposal facility regulated under 40 CFR part 262, 264, 265, or 266.

- Calculate the ratio of the total mass of organic HAP for the materials used in each coating type segment to the total volume of coating solids used in the segment.

- Record the calculations and results and include them in your Notification of Compliance Status.

Alternatively, if you apply coatings in more than one coating type segment within a subcategory, you may calculate an overall HAP emission limit for the subcategory and demonstrate compliance by including all coatings and thinners in all coating type segments in the subcategory in calculating the ratio of total mass of organic HAP to total volume of coating solids. If you use this approach, you must use the subcategory limit throughout the 12-month initial compliance period and may not switch between compliance with limits for individual coating type segments and an overall limit. Also, if you follow this approach, you may not include coatings in different subcategories in determining your overall HAP limit.

Option 3: Compliance Based on the Emission Rate with Add-on Controls Option. If you use a capture system and add-on control device other than a solvent recovery system for which you conduct a liquid-liquid material balance, your testing and initial compliance requirements are as follows:

- Conduct an initial performance test to determine the capture and control efficiencies of the equipment and to establish operating limits to be achieved on a continuous basis.

- Determine the mass of organic HAP in each material and the volume fraction of coating solids for each coating used each month of the initial compliance period.

- Calculate the organic HAP emissions from the controlled coating operations using the capture and control efficiencies determined during the performance test and the total mass of organic HAP in materials used in controlled coating operations.

- Calculate the ratio of the total mass of organic HAP emissions to the total volume of coating solids used each month of the initial compliance period.

- Record the calculations and results and include them in the Notification of Compliance Status.

If you use a capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances, you must determine both the efficiency of the capture system and the emissions reduction efficiency of the control device. To determine the capture efficiency, you must either verify the presence of a PTE using EPA Method 204 of 40 CFR part 51, appendix M, or use one of the protocols in § 63.3544 of the final rule to measure capture efficiency. If you have a PTE, apply and dry all the materials within the PTE, and route all exhaust gases from the PTE to a control device, then you may assume 100 percent capture.

To determine the emissions reduction efficiency of the control device, you must conduct measurements of the inlet and outlet gas streams. The test must consist of three runs, each run lasting at least 1 hour, using the following EPA Methods in 40 CFR part 60, appendix A:

- Method 1 or 1A for selection of the sampling sites.

- Method 2, 2A, 2C, 2D, 2F, or 2G to determine the gas volumetric flow rate.

- Method 3, 3A, or 3B for gas analysis to determine dry molecular weight. You may also use as an alternative to Method 3B, the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas in ANSI/ASME PTC 19.10-1981.

- Method 4 to determine stack moisture.

- Method 25 or 25A to determine organic volatile matter concentration.

Alternatively, any other test method or data that have been validated according to the applicable procedures in Method 301 of 40 CFR part 63, appendix A, and approved by the Administrator could be used.

If you use a solvent recovery system, you may determine the overall control efficiency using a liquid-liquid material balance instead of conducting an initial performance test. If you use the material balance alternative, you are required to measure the amount of all materials used in the affected source during each month of the initial compliance period and determine the volatile matter contained in these materials. You must also measure the amount of volatile matter recovered by the solvent recovery system each month of the compliance period. Then, you must compare the amount recovered to the amount used to determine the overall control efficiency and apply this efficiency to the ratio of organic HAP to coating solids for the materials used. You must record the