

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 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.

Operating Limits. As mentioned above, you must establish operating limits as part of the initial performance test of an emission capture and control system. The operating limits are the values of certain parameters measured for capture systems and control devices during the most recent performance test that demonstrated compliance with the emission limits. The final rule specifies the parameters to monitor for the types of emission control systems commonly used in the industry. Table 4 to the final rule summarizes the monitoring requirements for each type of control device.

You are required to install, calibrate, maintain, and continuously operate all monitoring equipment according to the manufacturer's specifications and ensure that the continuous parameter monitoring systems (CPMS) meet the requirements in § 63.3547 of the final rule. If you use control devices other than those identified in the final rule, you must submit the operating parameters to be monitored to the Administrator for approval. The authority to approve the parameters to be monitored is retained by EPA and is not delegated to States.

Work Practice Standards. If you use a capture system and control device for compliance, you are required to develop and implement on an ongoing basis a work practice plan for minimizing organic HAP emissions from storage, mixing, material handling, and waste handling operations. That plan must include a description of all steps taken to minimize emissions from those sources (e.g., using closed storage containers, implementing practices to minimize emissions during filling and transfer of contents from containers, using spill minimization techniques,

etc.). You must make the plan available for inspection if the Administrator requests to see it.

Operations during Startup, Shutdown, or Malfunction. If you use a capture system and control device for compliance, you are required to develop and operate according to an SSMP during periods of SSM of the capture system and control device.

Option 4: Compliance Based on the Control Efficiency/Outlet Concentration 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, you may meet either of the applicable alternative limits summarized in Table 4 of this preamble instead of the organic HAP emission rate limits summarized in Tables 2 and 3 of this preamble. Prior to the initial performance test, you are required to install control device parameter monitoring equipment to be used to demonstrate compliance with the capture and control efficiencies (or the capture efficiency of the capture system and the oxidizer outlet concentration) and to establish operating limits to be achieved on a continuous basis. During the initial compliance test, you must use the control device parameter monitoring equipment to establish parameter values that represent your operating requirements for the control systems. You must record the initial performance test 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 verify that the efficiency of the capture system is 100 percent and determine the emissions reduction efficiency of the control device. To verify 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 enclosure 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 initial 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 calculations and results and include them in your Notification of Compliance Status.

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