Environmental Protection Agency

Pt. 63, Subpt. WWWW, Table 5

For . . . You must . . .

2. a new or existing cleaning operation
   not use cleaning solvents that contain HAP, except that styrene may be
   used as a cleaner in closed systems, and organic HAP containing
   cleaners may be used to clean cured resin from application equip-
   ment. Application equipment includes any equipment that directly
   contacts resin.

3. a new or existing materials HAP-containing mate-
   rials storage operation. keep containers that store HAP-containing materials closed or covered
   except during the addition or removal of materials. Bulk HAP-con-
   taining materials storage tanks may be vented as necessary for safe-
   ty.

4. an existing or new SMC manufacturing operation close or cover the resin delivery system to the doctor box on each SMC
   manufacturing machine. The doctor box itself may be open.

5. an existing or new SMC manufacturing operation use a nylon containing film to enclose SMC.

6. all mixing or BMC manufacturing operations1 use mixer covers with no visible gaps present in the mixer covers, ex-
   cept that gaps of up to 1 inch are permissible around mixer shafts
   and any required instrumentation.

7. all mixing or BMC manufacturing operations1 close any mixer vents when actual mixing is occurring, except that vent-
   ing is allowed during addition of materials, or as necessary prior to
   adding materials or opening the cover for safety. Vents routed to a 95
   percent efficient control device are exempt from this requirement.

8. all mixing or BMC manufacturing operations1 keep the mixer covers closed while actual mixing is occurring except
   when adding materials or changing covers to the mixing vessels.

9. a new or existing pultrusion operation manufact-
   turing parts that meet the following criteria: 1,000 or
   more reinforcements or the glass equivalent of
   1,000 ends of 113 yield roving or more; and have a
   cross sectional area of 60 square inches or more
   that is not subject to the 95 percent organic HAP
   emission reduction requirement.
   i. not allow vents from the building ventilation system, or local or port-
   able fans to blow directly on or across the wet-out area(s),
   ii. not permit point suction of ambient air in the wet-out area(s) unless
   that air is directed to a control device,
   iii. use devices such as deflectors, baffles, and curtains when practical
       to reduce air flow velocity across the wet-out area(s),
   iv. direct any compressed air exhausts away from resin and wet-out
       area(s),
   v. convey resin collected from drip-off pans or other devices to res-
      ervoirs, tanks, or sumps via covered troughs, pipes, or other covered
      conveyance that shields the resin from the ambient air,
   vi. cover all reservoirs, tanks, sumps, or HAP-containing materials stor-
       age vessels except when they are being charged or filled, and
   vii. cover or shield from ambient air resin delivery systems to the wet-
       out area(s) from reservoirs, tanks, or sumps where practical.

1 Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process
  (i.e., they are actively being used to apply resin). For polymer casting mixing operations, containers with a surface area of 600
  square inches or less may be open while active mixing is taking place.

[70 FR 50133, Aug. 25, 2005]

ALTERNATIVE ORGANIC HAP EMISSIONS LIMITS FOR OPEN MOLDING, CENTRIFUGAL
CASTING, AND SMC MANUFACTURING OPERATIONS WHERE THE STANDARDS ARE
BASED ON A 95 PERCENT REDUCTION REQUIREMENT

As specified in §63.5805, as an alternative to the 95 percent organic HAP emissions reductions requirement, you may meet the appropriate organic HAP emissions limits in the fol-

If your operation type is . . . And you use . . . And your organic HAP emissions limit is a . . .

1. Open molding—corrosion-resistant and/or high
   strength (CR/HS).
   a. Mechanical resin application ................................. 6 lb/ton.
   b. Filament application ........................................... 9 lb/ton.

2. Open molding—non-CR/HS ........................................
   a. Mechanical resin application ................................ 13 lb/ton.
   b. Filament application ........................................... 10 lb/ton.
   c. Manual resin application .................................... 8 lb/ton.

3. Open molding—tooling ...........................................
   a. Mechanical resin application ................................ 13 lb/ton.
   b. Manual resin application .................................... 8 lb/ton.

4. Open molding—low flame spread/low smoke prod-
   ucts.
   a. Mechanical resin application ................................. 25 lb/ton.
   b. Filament application ........................................... 14 lb/ton.
### Table 6 to Subpart WWWW of Part 63—Basic Requirements for Performance Tests, Performance Evaluations, and Design Evaluations for New and Existing Sources Using Add-On Control Devices

As required in §63.5650 you must conduct performance tests, performance evaluations, and design evaluation according to the requirements in the following table:

<table>
<thead>
<tr>
<th>For . . .</th>
<th>You must . . .</th>
<th>Using . . .</th>
<th>According to the following requirements . . .</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Each enclosure used to collect and route organic HAP emissions to an add-on control device that is a PTE.</td>
<td>Meet the requirements for a PTE.</td>
<td>EPA method 204 of appendix M of 40 CFR part 51.</td>
<td>Enclosures that meet the requirements of EPA Method 204 of appendix M of 40 CFR part 51 for a PTE are assumed to have a capture efficiency of 100%. Note that the criteria that all access doors and windows that are not treated as natural draft openings shall be closed during routine operation of the process is not intended to require that these doors and windows be closed at all times. It means that doors and windows must be closed any time that you are actually moving parts or equipment through them. Also, any styrene retained in hollow parts and liberated outside the PTE is not considered to be a violation of the EPA Method 204 criteria.</td>
</tr>
</tbody>
</table>

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1. Organic HAP emissions limits for open molding and centrifugal casting expressed as lb/ton are calculated using the equations shown in Table 1 to this subpart. You must be at or below these values based on a 12-month rolling average.
2. These limits are for spray application of gel coat. Manual gel coat application must be included as part of spray gel coat application for compliance purposes using the same organic HAP emissions factor equation and organic HAP emissions limit. If you only apply gel coat with manual application, treat the manually applied gel coat as if it were applied with atomized spray for compliance determinations.
3. Centrifugal casting operations where the mold is not vented during spinning and cure are considered to be closed molding and are not subject to any emissions limit. Centrifugal casting operations where the mold is not vented during spinning and cure, and the resin is applied to the open centrifugal casting mold using mechanical or manual open molding resin application techniques are considered to be open molding operations and the appropriate open molding emission limits apply.
4. Centrifugal casting operations where the mold is vented during spinning and the resin is applied to the open centrifugal casting mold using mechanical or manual open molding resin application techniques, use the appropriate centrifugal casting emission limit to determine compliance. Calculate your emission factor using the appropriate centrifugal casting emission factor in Table 1 to this subpart, or a site specific emission factor as discussed in §63.5796.

(88 FR 19402, Apr. 21, 2003, as amended at 70 FR 50133, Aug. 25, 2005)