

Environmental Protection Agency

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TABLE 2 TO SUBPART WWWW OF PART 63—COMPLIANCE DATES FOR NEW AND EXISTING REINFORCED PLASTIC COMPOSITES FACILITIES

As required in §§63.5800 and 63.5840 you must demonstrate compliance with the standards by the dates in the following table:

If your facility is . . .	And . . .	Then you must comply by this date . . .
1. An existing source	a. Is a major source on or before the publication date of this subpart.	i. April 21, 2006, or ii. You must accept and meet an enforceable HAP emissions limit below the major source threshold prior to April 21, 2006.
2. An existing source that is an area source.	Becomes a major source after the publication date of this subpart.	3 years after becoming a major source or April 21, 2006, whichever is later.
3. An existing source, and emits less than 100 tpy of organic HAP from the combination of all centrifugal casting and continuous lamination/casting operations at the time of initial compliance with this subpart.	Subsequently increases its actual organic HAP emissions to 100 tpy or more from these operations, which requires that the facility must now comply with the standards in §63.5805(b).	3 years of the date your semi-annual compliance report indicates your facility meets or exceeds the 100 tpy threshold.
4. A new source	Is a major source at startup	Upon startup or April 21, 2003, whichever is later.
5. A new source	Is an area source at startup and becomes a major source.	Immediately upon becoming a major source.
6. A new source, and emits less than 100 tpy of organic HAP from the combination of all open molding, centrifugal casting, continuous lamination/casting, pultrusion, SMC and BMC manufacturing, and mixing operations at the time of initial compliance with this subpart.	Subsequently increases its actual organic HAP emissions to 100 tpy or more from the combination of these operations, which requires that the facility must now meet the standards in §63.5805(d).	3 years from the date that your semi-annual compliance report indicates your facility meets or exceeds the 100 tpy threshold.

TABLE 3 TO SUBPART WWWW OF PART 63—ORGANIC HAP EMISSIONS LIMITS FOR EXISTING OPEN MOLDING SOURCES, NEW OPEN MOLDING SOURCES EMITTING LESS THAN 100 TPY OF HAP, AND NEW AND EXISTING CENTRIFUGAL CASTING AND CONTINUOUS LAMINATION/CASTING SOURCES THAT EMIT LESS THAN 100 TPY OF HAP

As specified in §63.5805, you must meet the following organic HAP emissions limits that apply to you:

If your operation type is . . .	And you use . . .	¹ Your organic HAP emissions limit is . . .
1. open molding—corrosion-resistant and/or high strength (CR/HS).	a. mechanical resin application	113 lb/ton.
	b. filament application	171 lb/ton.
	c. manual resin application	123 lb/ton.
2. open molding—non-CR/HS	a. mechanical resin application	88 lb/ton.
	b. filament application	188 lb/ton.
	c. manual resin application	87 lb/ton.
3. open molding—tooling	a. mechanical resin application	254 lb/ton.
	b. manual resin application	157 lb/ton.
4. open molding—low-flame spread/low-smoke products.	a. mechanical resin application	497 lb/ton.
	b. filament application	270 lb/ton.
	c. manual resin application	238 lb/ton.
5. open molding—shrinkage controlled resins ² .	a. mechanical resin application	354 lb/ton.
	b. filament application	215 lb/ton.
	c. manual resin application	180 lb/ton.
6. open molding—gel coat ³	a. tooling gel coating	440 lb/ton.
	b. white/off white pigmented gel coating	267 lb/ton.
	c. all other pigmented gel coating	377 lb/ton.
	d. CR/HS or high performance gel coat ..	605 lb/ton.
	e. fire retardant gel coat ..	854 lb/ton.
	f. clear production gel coat	522 lb/ton.

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If your operation type is . . .	And you use . . .	¹ Your organic HAP emissions limit is . . .
7. centrifugal casting—CR/HS	a. resin application with the mold closed, and the mold is vented during spinning and cure. b. resin application with the mold closed, and the mold is not vented during spinning and cure. c. resin application with the mold open, and the mold is vented during spinning and cure. d. resin application with the mold open, and the mold is not vented during spinning and cure.	25 lb/ton. ⁴ NA—this is considered to be a closed molding operation. 25 lb/ton. ⁴ Use the appropriate open molding emission limit. ⁵
8. centrifugal casting—non-CR/HS	a. resin application with the mold closed, and the mold is vented during spinning and cure. b. resin application with the mold closed, and mold is not vented during the spinning and cure. c. resin application with the mold open, and the mold is vented during spinning and cure. d. resin application with the mold open, and the mold is not vented during spinning and cure.	20 lb/ton. ⁴ NA—this is considered to be a closed molding operation. 20 lb/ton. ⁴ Use the appropriate open molding emission limit. ⁵
9. pultrusion ⁶	N/A	reduce total organic HAP emissions by at least 60 weight percent.
10. continuous lamination/casting	N/A	reduce total organic HAP emissions by at least 58.5 weight percent or not exceed an organic HAP emissions limit of 15.7 lbs of organic HAP per ton of neat resin plus and neat gel coat plus.

¹Organic HAP emissions limits for open molding and centrifugal casting are expressed as lb/ton. You must be at or below these values based on a 12-month rolling average.

²This emission limit applies regardless of whether the shrinkage controlled resin is used as a production resin or a tooling resin.

³If you only apply gel coat with manual application, for compliance purposes treat the gel coat as if it were applied using atomized spray guns to determine both emission limits and emission factors. If you use multiple application methods and any portion of a specific gel coat is applied using nonatomized spray, you may use the nonatomized spray gel coat equation to calculate an emission factor for the manually applied portion of that gel coat. Otherwise, use the atomized spray gel coat application equation to calculate emission factors.

⁴For compliance purposes, calculate your emission factor using only the appropriate centrifugal casting equation in item 2 of Table 1 to this subpart, or a site specific emission factor for after the mold is closed as discussed in §63.5796.

⁵Calculate your emission factor using the appropriate open molding covered cure emission factor in item 1 of Table 1 to this subpart, or a site specific emission factor as discussed in §63.5796.

⁶Pultrusion machines that produce 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 are not subject to this requirement. Their requirement is the work practice of air flow management which is described in Table 4 to this subpart.

[70 FR 50131, Aug. 25, 2005]

TABLE 4 TO SUBPART WWWW OF PART 63—WORK PRACTICE STANDARDS

As specified in §63.5805, you must meet the work practice standards in the following table that apply to you:

For ...	You must ...
1. a new or existing closed molding operation using compression/injection molding.	uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds for one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.