

§ 63.5890

40 CFR Ch. I (7-1-04 Edition)

Where:

PR=percent reduction
 WAE_{ui}=uncontrolled organic HAP emissions from wet-out area i, lbs per year
 O_{uj}=uncontrolled organic HAP emissions from oven j, lbs per year
 WAE_{ci}=controlled organic HAP emissions from wet-out area i, lbs per year
 O_{cj}=controlled organic HAP emissions from oven j, lbs per year
 i=number of wet-out areas
 j=number of ovens
 m=number of wet-out areas uncontrolled
 n=number of ovens uncontrolled
 o=number of wet-out areas controlled
 p=number of ovens controlled

(c) *Add-on control device option.* Use Equation 1 of this section to calculate percent reduction.

(d) *Combination option.* Use Equations 1 through 3 of this section, as applicable, to calculate percent reduction.

§ 63.5890 How do I calculate a organic HAP emissions factor to demonstrate compliance for continuous lamination/casting operations?

(a) *Compliant line option.* Use Equation 1 of this section to calculate a organic HAP emissions factor in lbs/ton.

$$E = \frac{WAE_u + WAE_c + O_u + O_c}{(R + G)} \quad (\text{Eq. 1})$$

Where:

E=HAP emissions factor in lbs/ton of resin and gel coat
 WAE_u=uncontrolled wet-out area organic HAP emissions, lbs per year
 WAE_c=controlled wet-out area organic HAP emissions, lbs per year

O_u=uncontrolled oven organic HAP emissions, lbs per year
 O_c=controlled oven organic HAP emissions, lbs per year
 R=total usage of neat resin plus, tpy
 G=total usage of neat gel coat plus, tpy
 (b) *Averaging option.* Use Equation 2 of this section to demonstrate compliance.

$$E = \frac{\sum_{i=1}^m WAE_{ui} + \sum_{i=1}^o WAE_{ci} + \sum_{j=1}^n O_{uj} + \sum_{j=1}^p O_{cj}}{(R + G)} \quad (\text{Eq. 2})$$

Where:

E=HAP emissions factor in lbs/ton of resin and gel coat
 WAE_{ui}=uncontrolled organic HAP emissions from wet-out area i, lbs per year
 WAE_{ci}=controlled organic HAP emissions from wet-out area i, lbs per year
 O_{uj}=uncontrolled organic HAP emissions from oven j, lbs per year
 O_{cj}=controlled organic HAP emissions from oven j, lbs per year
 i=number of wet-out areas
 j=number of ovens
 m=number of wet-out areas uncontrolled
 n=number of ovens uncontrolled
 o=number of wet-out areas controlled
 p=number of ovens controlled
 R=total usage of neat resin plus, tpy
 G=total usage of neat gel coat plus, tpy

CONTINUOUS COMPLIANCE REQUIREMENTS

§ 63.5895 How do I monitor and collect data to demonstrate continuous compliance?

(a) During production, you must collect and keep a record of data as indicated in 40 CFR part 63, subpart SS, if you are using an add-on control device.

(b) You must monitor and collect data as specified in paragraphs (b)(1) through (4) of this section.

(1) Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must conduct all monitoring in continuous operation (or collect data at all required intervals) at

(c) *Combination option.* Use Equations 1 and 2 of this section, as applicable, to demonstrate compliance.

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all times that the affected source is operating.

(2) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes to this subpart, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

(3) At all times, you must maintain necessary parts for routine repairs of the monitoring equipment.

(4) A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring equipment to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(c) You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP emissions limits based on an organic HAP emissions limit in Tables 3 or 5 to this subpart. You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP content limits in Table 7 to this subpart if you are averaging organic HAP contents. Resin use records may be based on purchase records if you can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.

(d) If you initially demonstrate that all resins and gel coats individually meet the applicable organic HAP emissions limits, or organic HAP content limits, then resin and gel coat use records are not required. However, you must include a statement in each compliance report that all resins and gel coats still meet the organic HAP limits for compliant resins and gel coats shown in Tables 3 or 7 to this subpart. If after this initial demonstration, you change to a higher organic HAP resin or gel coat, or increase the resin or gel coat organic HAP content, or change to a higher-emitting resin or gel coat

application method, then you must either again demonstrate that all resins and gel coats still meet the applicable organic HAP emissions limits, or begin collecting resin and gel coat use records and calculate compliance on a 12-month rolling average.

(e) For each of your pultrusion machines, you must record all times that wet area enclosures doors or covers are open and there is resin present in the resin bath.

§ 63.5900 How do I demonstrate continuous compliance with the standards?

(a) You must demonstrate continuous compliance with each standard in § 63.5805 that applies to you according to the methods specified in paragraphs (a)(1) through (3) of this section.

(1) Compliance with organic HAP emissions limits for sources using add-on control devices is demonstrated following the procedures in 40 CFR part 63, subpart SS. Sources using add-on controls may also use continuous emissions monitors to demonstrate continuous compliance as an alternative to control parameter monitoring.

(2) Compliance with organic HAP emissions limits is demonstrated by maintaining a organic HAP emissions factor value less than or equal to the appropriate organic HAP emissions limit listed in Tables 3, or 5 to this subpart, on a 12-month rolling average, or by including in each compliance report a statement that all resins and gel coats meet the appropriate organic HAP emissions limits, as discussed in § 63.5895(d).

(3) Compliance with organic HAP content limits in Table 7 to this subpart is demonstrated by maintaining an average organic HAP content value less than or equal to the appropriate organic HAP contents listed in Table 7 to this subpart, on a 12-month rolling average, or by including in each compliance report a statement that all resins and gel coats individually meet the appropriate organic HAP content limits, as discussed in § 63.5895(d).

(4) Compliance with the work practice standards in Table 4 to this subpart is demonstrated by performing the work practice required for your operation.