

Environmental Protection Agency

§ 63.5885

Method 204 of appendix M to 40 CFR part 51. If a PTE does not exist, then a temporary total enclosure must be constructed and verified using EPA Method 204, and capture efficiency testing must be determined using EPA Methods 204B through E of appendix M to 40 CFR part 51.

(b) The capture efficiency of an oven is to be considered 100 percent, provided the oven is operated under negative pressure.

§ 63.5880 How do I determine how much neat resin plus is applied to the line and how much neat gel coat plus is applied to the line for continuous lamination/casting operations?

Use the following procedures to determine how much neat resin plus and neat gel coat plus is applied to the line each year.

(a) Track formula usage by end product/thickness combinations.

(b) Use in-house records to show usage. This may be either from automated systems or manual records.

(c) Record daily the usage of each formula/end product combination on each line. This is to be recorded at the end of each run (*i.e.*, when a changeover in formula or product is made) and at the end of each shift.

(d) Sum the amounts from the daily records to calculate annual usage of each formula/end product combination by line.

§ 63.5885 How do I calculate percent reduction to demonstrate compliance for Continuous Lamination/Casting Operations?

You may calculate percent reduction using any of the methods in paragraphs (a) through (d) of this section.

(a) *Compliant line option.* If all of your wet-out areas have PTE that meet the requirements of EPA Method 204 of appendix M of 40 CFR part 51, and all of your wet-out area organic HAP emissions and oven organic HAP emissions are vented to an add-on control device, use Equation 1 of this section to demonstrate compliance. In all other situations, use Equation 2 of this section to demonstrate compliance.

$$PR = \frac{(\text{Inlet}) - (\text{Outlet})}{(\text{Inlet})} \times 100 \quad (\text{Eq. 1})$$

Where:

PR=percent reduction

Inlet=HAP emissions entering the control device, lbs per year

Outlet=HAP emissions exiting the control device to the atmosphere, lbs per year

$$PR = \frac{(WAE_u + O_u) - (WAE_c + O_c)}{(WAE_u + O_u)} \times 100 \quad (\text{Eq. 2})$$

Where:

PR=percent reduction

WAE_u=uncontrolled wet-out area organic HAP emissions, lbs per year

O_u=uncontrolled oven organic HAP emissions, lbs per year

WAE_c=controlled wet-out area organic HAP emissions, lbs per year

O_c=controlled oven organic HAP emissions, lbs per year

(b) *Averaging option.* Use Equation 3 of this section to calculate percent reduction.

$$PR = \frac{\left(\sum_{i=1}^m WAE_{ui} + \sum_{j=1}^n O_{uj} \right) - \left(\sum_{i=1}^o WAE_{ci} + \sum_{j=1}^p O_{cj} \right)}{\left(\sum_{i=1}^m WAE_{ui} + \sum_{j=1}^n O_{uj} \right)} \times 100 \quad (\text{Eq. 3})$$

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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.