

Compliance Options, Operating Requirements, and Work Practice Requirements

§ 63.2240 What are the compliance options and operating requirements and how must I meet them?

You must meet the compliance options and operating requirements described in Tables 1A, 1B, and 2 of this subpart and in paragraph (c) of this section by using one or more of the compliance options listed in paragraphs (a), (b), and (c) of this section. The process units subject to the compliance options are listed in Tables 1A and 1B (the same process units are listed in both tables) and are defined in § 63.2292. You need only to meet one of the compliance options outlined in paragraphs (a) through (c) of this section for each process unit. You cannot use multiple compliance options for a single process unit. (For example, you cannot use a production-based compliance option for one vent of a veneer dryer

and an add-on control system compliance option for another vent on the same veneer dryer. You must use either the production-based compliance option or an add-on control system compliance option for the entire dryer.)

(a) *Production-based compliance options.* Meet the production-based total HAP compliance options in Table 1A of this subpart and the applicable operating requirements in Table 2 of this subpart. You may not use an add-on control system to meet the production-based compliance options.

(b) *Compliance options for add-on control systems.* Use an emissions control system and demonstrate that the resulting emissions meet the compliance options and operating requirements in Tables 1B and 2 of this subpart. If you own or operate a reconstituted wood product press at a new or existing affected source or a reconstituted wood product board cooler at a new affected source, and you choose to comply with one of the

concentration-based compliance options for a control system outlet (presented as option numbers 2, 4, and 6 in Table 1B of this subpart), you must have a capture device that either meets the EPA Method 204 criteria for a permanent total enclosure (PTE) or achieves a capture efficiency of greater than or equal to 95 percent.

(c) *Emissions averaging compliance option (for existing sources only).* Using the procedures in paragraphs (c)(1) through (3) of this section, demonstrate that emissions included in the emissions average meet the compliance options and operating requirements. New sources may not use emissions averaging to comply with this subpart.

(1) *Calculation of required and actual mass removal.* Limit emissions of total HAP, as defined in § 63.2292, to include acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde from your affected source to the standard specified by Equations 1, 2, and 3 of this section.

$$\text{RMR} = 0.90 \times \left(\sum_{i=1}^n \text{UCEP}_i \times \text{OH}_i \right) \quad (\text{Eq. 1})$$

$$\text{AMR} = \left(\sum_{i=1}^n \text{CD}_i \times \text{OCEP}_i \times \text{OH}_i \right) \quad (\text{Eq. 2})$$

$$\text{AMR} \geq \text{RMR} \quad (\text{Eq. 3})$$

Where:

RMR = required mass removal of total HAP from all process units generating debits (*i.e.*, all process units that are subject to the compliance options in Tables 1A and 1B of this subpart and that are either uncontrolled or under-controlled), pounds per semiannual period

AMR = actual mass removal of total HAP from all process units generating credits (*i.e.*, all process units that are controlled as part of the Emissions Averaging Plan), pounds per semiannual period

UCEP_i = mass of total HAP from an uncontrolled or under-controlled process unit (i) that generates debits, pounds per hour

OH_i = number of hours a process unit (i) is operated during the semiannual period, hours per 6 month period

CD_i = control system efficiency for the emission point (i) for total HAP,

expressed as a fraction, and not to exceed 90 percent, unitless

OCEP_i = mass of total HAP from a process unit (i) that generates credits, pounds per hour

0.90 = required control system efficiency of 90 percent multiplied, unitless

(2) *Requirements for debits and credits.* You must calculate debits and credits as specified in paragraphs (c)(2)(i) through (vi) of this section.

(i) You must limit process units in the emissions average to those process units located at the existing affected source, as defined in § 63.2292.

(ii) You cannot use nonoperating process units to generate emissions averaging credits. You cannot use process units that are shutdown to generate emissions averaging debits or credits.

(iii) You may not include in your emissions average process units controlled to comply with a State, Tribal, or Federal rule other than this subpart, except when the control system

installation and process unit inclusion in the emissions average both pre-date the effective date of the State, Tribal, or Federal rule.

(iv) You must use actual measurements of total HAP emissions from process units to calculate your required mass removal (RMR) and actual mass removal (AMR). The total HAP measurements must be obtained according to § 63.2262(b) through (d), (g), and (h), using the methods specified in Table 4 of this subpart.

(v) Your initial demonstration that the credit-generating process units will be capable of generating enough credits to offset the debits from the debit-generating process units must be made under representative operating conditions. After the compliance date, you must use actual operating data for all debit and credit calculations.

(vi) Do not include emissions from the following time periods in your emissions averaging calculations:

(A) Emissions during periods of startup, shutdown, and malfunction as