Environmental Protection Agency

§ 63.1318 PET and polystyrene affected sources—testing and compliance demonstration provisions.

(a) Except as specified in paragraphs (b) through (d) of this section, continuous process vents using a control or recovery device to comply with §63.1316 shall comply with the applicable testing and compliance provisions for continuous process vents specified in §63.1315(a) except that, for purposes of this paragraph (a), references to group determinations (i.e., total resource effectiveness) do not apply and owners or operators are not required to comply with §63.113.

(b) PET affected sources using a dimethyl terephthalate process—Applicability determination procedure. Owners or operators shall calculate organic HAP emissions from the collection of material recovery sections at an existing affected source producing PET using a continuous dimethyl terephthalate process. To determine whether §63.1316(b)(1)(i) is applicable using the procedures specified in either paragraph (b)(1) or (b)(2) of this section.

(1) Use Equation 1 of this subpart to determine mass emissions per mass product as specified in paragraphs (b)(1)(i) and (b)(1)(ii) of this section.

\[ \text{ER} = \sum_{i=1}^{n} \frac{E_i}{0.001 P_p} \]  

where:

- \( \text{ER} \) = Emission rate of total organic HAP or TOC, kg/Mg product.
- \( E_i \) = Emission rate of total organic HAP or TOC in continuous process vent \( i \), kg/hr.
- \( P_p \) = The rate of polymer produced, kg/hr.
- \( n \) = Number of continuous process vents in the collection of material recovery sections at the affected source.
- 0.001 = Conversion factor, kg to Mg.

(i) The mass emission rate for each continuous process vent, \( E_i \), shall be determined according to the procedures specified in §63.116(c)(4). The sampling site for determining whether §63.1316(b)(1)(i) is applicable shall be at the outlet of the last recovery or control device. When the provisions of §63.116(c)(4) specify that Method 18, 40 CFR part 60, appendix A shall be used, Method 18 or Method 25A, 40 CFR part 60, appendix A may be used for the purposes of this subpart. The use of Method 25A, 40 CFR part 60, appendix A shall comply with paragraphs (b)(1)(i)(A) and (b)(1)(i)(B) of this section.

(A) The organic HAP used as the calibration gas for Method 25A, 40 CFR part 60, appendix A shall be the single organic HAP representing the largest percent by volume of the emissions.

(B) The use of Method 25A, 40 CFR part 60, appendix A is acceptable if the...