

Environmental Protection Agency

§ 60.604

Solvent Feed=Makeup Solvent+Recovered Solvent+Change in the Amount of Solvent Contained in the Solvent Feed Holding Tank.

(ii) Measure and record the amount of polymer introduced into the affected facility and the solvent-to-polymer ratio of the spinning solutions, and use the following equation to determine the amount of solvent feed:

$$\text{Solvent Feed} = \sum_{i=1}^n$$

where subscript "i" denotes each particular spinning solution used during the test period; values of "i" vary from one to the total number of spinning solutions, "n," used during the calendar month.

(2) VOC emissions shall be determined each calendar month by use of the following equations:

$$E = \frac{M_w}{S_w} - N - I \text{ and } M_w = M_v S_p D$$

$$S_w = \frac{S_v S_p D}{K}$$

$$I = \frac{I_E - I_S}{S_w}$$

where all values are for the calendar month only and where

- E = VOC Emissions, in kg/Mg (lb/ton) solvent;
- S_v = Measured or calculated volume of solvent feed, in liters (gallons);
- S_w = Weight of solvent feed, in Mg (ton);
- M_v = Measured volume of makeup solvent, in liters (gallons);
- M_w = Weight of makeup, in kg (lb);
- N = Allowance for nongaseous losses, 13 kg/Mg (26 lb/ton) solvent feed;
- S_p = Fraction of measured volume that is actual solvent (excludes water);
- D = Density of the solvent, in kg/liter (lb/gallon);
- K = Conversion factor, 1,000 kg/Mg (2,000 lb/ton);
- I = Allowance for solvent inventory variation or changes in the amount of solvent contained in the affected facility, in kg/Mg (lb/ton) solvent feed (may be positive or negative);
- I_s = Amount of solvent contained in the affected facility at the beginning of the test period, as determined by the owner or operator, in kg (lb);
- I_E = Amount of solvent contained in the affected facility at the close of the test period, as determined by the owner or operator, in kg (lb).

(3) N, as used in the equation in paragraph (b)(2) of this section, equals 13 kg/Mg (26 lb/ton) solvent feed to the spinning solution preparation system and precipitation bath. This value shall be used in all cases unless an owner or operator demonstrates to the satisfaction of the Administrator that greater nongaseous losses occur at the affected facility. In this case, the greater value may be substituted in the equation.

[49 FR 13651, Apr. 5, 1984; 49 FR 18096, Apr. 27, 1984, as amended at 65 FR 61769, Oct. 17, 2000]

§ 60.604 Reporting requirements.

(a) The owner or operator of an affected facility shall submit a written report to the Administrator of the following:

(1) The results of the initial performance test; and

(2) The results of subsequent performance tests that indicate that VOC emissions exceed the standards in §60.602. These reports shall be submitted quarterly at 3-month intervals after the initial performance test. If no exceedances occur during a particular quarter, a report stating this shall be submitted to the Administrator semi-annually.

(b) Solvent-spun synthetic fiber producing facilities exempted from these standards in §60.600(a) (those producing less than 500 Mg (551 ton) annually) shall report to the Administrator within 30 days whenever extruded fiber for the preceding 12 calendar months exceeds 500 Mg (551 ton).

(c) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternate means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with this section, provided that they comply with the requirements established by the State.

[49 FR 13651, Apr. 5, 1984, as amended at 55 FR 51384, Dec. 13, 1990; 59 FR 32341, June 23, 1994; 65 FR 61769, Oct. 17, 2000]