§ 76.13 Compliance and excess emissions.

Excess emissions of nitrogen oxides under § 77.6 of this chapter shall be calculated as follows:

(a) For a unit that is not in an approved averaging plan:

(1) Calculate EE, for each portion of the calendar year that the unit is subject to a different NOx emission limitation:

\[
EE_i = \frac{(R_{ai} - R_{li}) \times HI_i}{2000} \quad \text{(Equation 3)}
\]

where:

\( EE_i \) = Excess emissions for NOx for the portion of the calendar year (in tons);
\( R_{ai} \) = Actual average emission rate for the unit (in lb/mmBtu), determined according to part 75 of this chapter for the portion of the calendar year for which the applicable emission limitation \( R_{li} \) is in effect;
\( R_{li} \) = Applicable emission limitation for the unit, (in lb/mmBtu), as specified in § 76.5, 76.6, or 76.7 or as determined under § 76.10;
\( HI_i \) = Actual heat input for the unit, (in mmBtu), determined according to part 75 of this chapter for the portion of the calendar year for which the applicable emission limitation \( R_{li} \) is in effect.

(2) If \( EE_i \) is a negative number for any portion of the calendar year, the EE value for that portion of the calendar year shall be equal to zero (e.g., if \( EE_i = -100 \), then \( EE_i = 0 \)).

(3) Sum all \( EE_i \) values for the calendar year:

\[
EE = \sum_{i=1}^{n} EE_i
\]

(b) For units participating in an approved averaging plan, when all the requirements under § 76.11(d)(1) are not met,

\[
EE = \left(\sum_{i=1}^{n} R_{ai} \times HI_i\right) - \left(\sum_{i=1}^{n} R_{hi} \times HI_i\right) \quad \text{(Equation 5)}
\]

where:

\( EE \) = Excess emissions for NOx for the year (in tons);
\( R_{ai} \) = Actual annual average emission rate for NOx for unit \( i \), (in lb/mmBtu), determined according to part 75 of this chapter;
\( R_{hi} \) = Applicable emission limitation for unit \( i \), (in lb/mmBtu), as specified in § 76.5, 76.6, or 76.7;
\( HI_i \) = Actual annual heat input for unit \( i \), mmBtu, determined according to part 75 of this chapter;
\( n \) = Number of units in the averaging plan.

§ 76.14 Monitoring, recordkeeping, and reporting.

(a) A petition for an alternative emission limitation demonstration period under § 76.10(d) shall include the following information:

(1) In accordance with § 76.10(d)(4), the following information:

(i) Documentation that the owner or operator solicited bids for a NOx emission control system designed for application to the specific boiler and designed to achieve the applicable emission limitation in § 76.5, 76.6, or 76.7 on an annual average basis. This documentation must include a copy of all bid specifications.

(ii) A copy of the performance guarantee submitted by the vendor of the installed NOx emission control system to the owner or operator showing that such system was designed to meet the applicable emission limitation in § 76.5, 76.6, or 76.7 on an annual average basis.

(iii) Documentation describing the operational and combustion conditions that are the basis of the performance guarantee.

(iv) Certification by the primary vendor of the NOx emission control system that such equipment and associated auxiliary equipment was properly installed according to the modifications and procedures specified by the vendor.