

Question 4.3

Topic: Substitute Data for NO_x Emission Rate When the Moisture Value is Unavailable

Question: If a source uses Equation 19-3 to calculate NO_x emission rate in lb/mmBtu, and for a particular hour, quality-assured average NO_x concentration and O₂ concentration values are available, but a quality-assured average percent moisture value is unavailable, should the source use substitute data for NO_x emission rate?

Answer: No, because the moisture monitor is not a component of the NO_x-diluent monitoring system. Therefore, report the calculated NO_x emission rate as quality-assured and determine the appropriate substitute data value for percent moisture and use this value in Equation 19-3 to calculate the NO_x emission rate.

References: ECMPS Emissions Reporting Instructions, Section 2.5.2

History: First published in March 2000, Update #12; revised in 2013 Manual