

6.8 What are the on-going QA/QC requirements for LME units ?

On-going quality-assurance is required for LME units only if the long-term fuel flow option is used for heat input and/or if site-specific emission rates are used to report emissions data. The quality control and quality-assurance (QA/QC) provisions that must be implemented are as follows:

- To continue using site-specific NO_x emission rates for reporting, these emission rates must be re-determined once every five years (20 calendar quarters). This includes emission rates that were initially based on historical Appendix E tests or historical CEMS data. If the initial emission rate was based on a historical Appendix E test, the first re-test is due no later than 20 calendar quarters after the quarter of the Appendix E test. For NO_x emission rates derived from historical CEMS data, the emission rate must be re-determined no later than 20 calendar quarters after the end of the latest of the 3 (or more) calendar years of data that were used for the initial determination.
- If a default SO₂ emission rate is derived from a permit limit on the sulfur content of fuel oil, periodic fuel sampling and analysis with associated record keeping is required, using one of the options in section 2.2 of Appendix D, to demonstrate compliance with the permit limit.
- For gaseous fuels other than natural gas, annual sampling of the fuel's total sulfur content is required. The default SO₂ emission rate currently in use must be updated if the results of the annual sulfur sampling give an SO₂ emission rate that exceeds the current value.
- If site-specific NO_x emission rates are used for reporting purposes, records must be kept of all emission tests and/or data analyses used to determine the emission rates. These records are kept until the emission rates are re-determined;
- If the unit is equipped with add-on NO_x emission controls or dry low-NO_x technology, and if site-specific NO_x emission rates are used for reporting purposes, a quality-assurance plan must be developed and kept on-site, which explains the procedures used to document proper operation of the emission controls. The plan must clearly define all of the parameters monitored and the acceptable range(s) or value(s) for each parameter;
- Fuel billing records must be kept for three years, if that option is used for long-term fuel flow;
- If the tank drop method is used to quantify long-term oil flow, records must be kept for three years of all quarterly measurements, and a copy of the API method used must be kept on-file; and
- If a certified Appendix D fuel flowmeter is used for long-term fuel flow, the QA requirements in section 2.1.6 of Appendix D must be met (see Section 4.8 of this guide).