

2.5 Conduct Quality Assurance/Quality Control Procedures

After certification, the following periodic performance evaluations of all monitoring systems must be conducted, to ensure the continued accuracy of the emissions data:

- The quality-assurance tests for CEMS include daily assessments (e.g., calibration error tests), quarterly assessments (e.g., linearity checks), and semi-annual (or annual in most cases) relative accuracy test audits (RATAs);
- For Appendix D fuel flowmeters, annual accuracy tests are required; and
- For Appendix E units and LME units using site-specific emission rates, re-testing is required once every 5 years (i.e., 20 calendar quarters).

Note that for linearity checks, RATAs, and fuel flowmeter accuracy tests, test exemptions and test deadline extensions are permitted by Part 75 in certain circumstances. The required QA tests for Part 75 monitoring systems are discussed in greater detail in section 8 of this guide.

For all required continuous monitoring systems, a written quality assurance (QA) plan must be developed and followed. The quality control plan includes step-by-step procedures for each of the required QA tests, as well as procedures for calibration adjustments, preventive maintenance, audits, recordkeeping and reporting.