4.8 What are the on-going quality-assurance requirements of Appendix D ?

Following initial certification, each Appendix D fuel flowmeter (except for qualifying fuel billing meters) must undergo periodic accuracy testing, using the same general approach that was used for initial certification (see Section 4.3, above). Fuel flowmeter accuracy testing23 must be performed once every 4 calendar quarters, unless the flowmeter qualifies for an extension of the test deadline. A one-quarter extension of the accuracy test deadline may be claimed for any calendar quarter in which:

• The fuel measured by the flowmeter is burned for less than 168 hours24 . This type of extension is most advantageous for fuels that are seldom combusted and for units that operate infrequently; or

• The optional fuel flow-to-load ratio test described in section 2.1.7 of Appendix D is performed and passed. This option is most useful for fuels that are routinely combusted for more than 168 hours per quarter.

Note that fuel flowmeter accuracy test deadlines may not be extended indefinitely. The limits to these extensions are as follows:

• If the deadline extension is based on infrequent combustion of a fuel or infrequent unit operation, a flowmeter accuracy test must be performed no later than 4 "QA" quarters[24] or 20 calendar quarters—whichever comes first—after the quarter in which the previous test was done; or

• If the deadline is being extended by performing the fuel flow-to-load ratio test, the maximum allowable extension is 20 calendar quarters from the quarter of the previous test.

In addition to performing periodic fuel flowmeter accuracy testing, section 1.3 in Appendix B of Part 75 requires the owner or operator of an Appendix D unit to develop and implement a quality-assurance plan. The essential elements of the QA plan include the following:

• A written record of the fuel flowmeter accuracy test procedures;

• Records of maintenance, adjustments, and repairs of the fuel flowmeter(s); and

• A written record of the standard procedures used to perform the required fuel sampling and analysis.