

Question 13.22

Topic: DAHS Verification

Question: What are the DAHS verification requirements?

Answer: Both formula verification and missing data routine verification are required. The minimum requirements are as follows:

(1) Emission and heat input rate formulas must be verified at each unit or stack location. The results of these checks must be kept on-site in a format suitable for inspection.

(2) Missing data routines may be verified either:

(i) By performing tests at each location where the software is installed. If the developer of the software is able to perform this testing for customers via network, rather than by visiting each individual site, this is acceptable; or

(ii) By installing a standard software package which has been thoroughly tested by the developer for conformance with the Part 75 missing data algorithms.

If Option (ii) above is chosen, the following additional requirements apply:

(A) The missing data software must be installed at each location using the same type of operating system on which the software was tested by the developer;

(B) The developer must provide an official statement to each user (e.g., a certificate or a letter from the appropriate corporate official) certifying that the missing data software meets the requirements of Part 75; and

(C) Each user of the software must add a provision to the QA plan for the monitoring systems (if such a provision is not already in place) to examine the values substituted by the DAHS during missing data periods for "reasonableness" (e.g., do the substituted values appear to be correct in view of the percent monitor data availability (PMA) and the length of the missing data period; do the substitute NO_x and flow rate values change when the load range changes during a missing data period; are maximum potential values substituted when the PMA drops below 80.0%; etc.)

The QA plan must include a corrective action provision to resolve any problems encountered with the missing data routines expeditiously. If correction of erroneous substitute data is found to have a "significant" impact on the reported quarterly emissions or

heat input resubmittal of the affected quarterly report(s) is required.

For both Options (i) and (ii), you must keep documentation of the tests performed to verify the missing data routines and the test results onsite in a format suitable for inspection.

References: §75.10(c)(10)

History: First published in March 2000, Update #12; revised in October 2003 Revised Manual; revised in 2013 Manual