

Question 3.20

Topic: Test Method 2H -- Using Default Wall Effects Adjustment Factor (WAF)
After Deriving a Calculated WAF

Question: After taking wall effects measurements and obtaining a calculated WAF may I use the appropriate default WAF instead of the calculated WAF I obtained?

Answer: Yes. You may use the appropriate default WAF instead of the calculated WAF, but you must report both the calculated and default WAFs, as follows:

(1) When using Method 2F or 2G, report the calculated WAF in the <CalculatedWAF> field of the <FlowRATARunData> record. Leave the <CalculatedWAF> field of the <RATASummaryData> record blank (since you have elected not to use the calculated WAF), and report the default WAF in the <DefaultWAF> field of the <RATASummaryData> record; or

(2) When regular Method 2 is used and you elect to apply a default WAF instead of using the calculated WAF, report the appropriate default value used in the <DefaultWAF> field of the <RATASummaryData> record to indicate which default WAF value has been applied to the RATA runs. Do not report any <FlowRATARunData> records when using regular Method 2 with a default WAF, as these records are incompatible with the reference method code "D2H" reported in the <RATASummaryData> record. Instead, report all calculated WAFs that were not used in the flow calculations in the <TestComment> field of the <TestSummaryData> record for the Method 2 RATA being reported. Also indicate in the <TestComment> field how many wall effects measurement points were tested at each sample port to derive each calculated WAF.

References: § 75.59, § 75.64; 40 CFR Part 60, Appendix A-2 (RM 2H); ECMPS Quality Assurance and Certification Reporting Instructions, Section 2.4

History: First published in October 1999 Revised Manual; revised in December 2000, Update #13