

Question 3.31

Topic: Minimum WAF

Question: Under Method 2H, what if a source finds that it is getting a calculated wall effects adjustment factor (WAF) less than 0.9700 (i.e., more than a three percent reduction in the velocity calculated without Method 2H)? Can you do more than sixteen Method 1 traverse points and use a WAF value of less than 0.9700?

Answer: You may use more than sixteen Method 1 traverse points when a Method 2H calculated WAF is used. However, no matter how many Method 1 traverse points are used, you may not apply a calculated WAF that is less than 0.9700 for a complete wall effects traverse or 0.9800 for a partial wall effects traverse to the runs of a flow RATA. It should be noted, however, that the actual calculated value of the WAF is reported in the <CalculatedWAF> field of the <Flow RATARunData> record.

For example, suppose that for a particular RATA run, you calculate a WAF of 0.9600, based on a complete wall effects traverse. You would report this measured WAF in the <CalculatedWAF> field of the <Flow RATARunData> record. However, you could *not* apply the WAF of 0.9600 to the runs of the RATA, because when a complete wall effects traverse is performed, the lowest WAF that you are allowed to use is 0.9700. Report the actual WAF applied to the RATA runs (in this case, 0.9700) in the <CalculatedWAF> field of the <RATASummaryData> record.

Also see Question 3.12.

References: 40 CFR Part 60, Appendix A-2, Method 2H

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