

Version: EDMS 3.0, 3.01 for Windows™ 3.1 and EDMS 3.01 for Windows™ 95
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Description:

In all the source data screens the user is able to input either a yearly activity or a peak hour activity. Based on the selected operational profiles, if a peak hour activity is entered the model computes the yearly activity. The reverse is true if a yearly activity is entered. This computation as outlined in the *EDMS Reference Manual* is based upon operational profile factor averages. There is a precision error in this computation if a factor average is less than 0.1. In such a case, the factor average is rounded up to 0.1 and hence will result in an incorrect calculation of source activity.

Effects:

If a peak hour activity is entered and a computed factor average is less than 0.1 then an incorrect yearly activity is computed and this will result in a change in the emissions inventory. If a yearly activity is entered and a computed factor average is less than 0.1 then an incorrect peak hour activity is computed and this will result in changes in dispersion concentrations. If the user entered a yearly activity and ran only the emissions inventory or if the user entered a peak hour activity and ran dispersion only, then this bug would not affect their results.

Workaround:

As a short term workaround the analyst will have to compute peak hour activity or yearly activity as outlined in the *EDMS Reference Manual* and enter the correct values in the data screens.

Correction:

Upgrading to EDMS 3.02 , re-selecting the operational profiles for each source, and running dispersion/emissions inventory corrects this error. For further assistance with this problem please contact EDMS Tech Support at (202)488-0003 or e-mail, edms_help@cssiinc.com.