

**Version:** EDMS 3.0, 3.01 for Windows™ 3.1 and EDMS 3.01 for Windows™ 95  
**Patch No.:** 30-97-03  
**Date:** 09/08/97

**Description:**

During dispersion analysis the activity of a source is calculated for each unique hour (1 to 8760) by determining which month, day, and hour of the year that hour represents and using the appropriate operational profile activity factors to modify the peak hour activity. In EDMS 3.0 an error occurs when the hour being modeled is the 24<sup>th</sup> or last hour of a day. Due to a modulus overflow the hourly operational factor number for the first hour is used instead of the actual one for hour 24.

**Effects:**

The concentrations calculated at hour 24 will not reflect the hourly operational factors that were entered for hour 24 unless they are the same as the factor that was entered for hour 1. Concentrations may be higher or lower than expected at hour 24 depending on the value that was entered for hour 1.

**Workaround:**

As a short term workaround the analyst will have to ensure that the hourly operational profile factors for both hour 1 and hour 24 are the same when running dispersion.

**Correction:**

Upgrading to EDMS 3.02 and re-running dispersion 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](mailto:edms_help@cssiinc.com).