

EDMS *Reference Manual* Supplement

-Model Changes Between EDMS 4.03 and EDMS 4.04-

July 31, 2002

Stationary Sources

Change	Effect
<p><u>Diameter</u></p> <p>In the previous version, the diameter of a source reverts to its default value for the specified type when the user attempts to save changes. In this version, the diameter remains set to the user's specification.</p>	<p>The user regains the ability to set source diameter.</p>
<p><u>Type</u></p> <p>In previous versions, users found that the user-specified type of a source changes upon revisiting and reselecting a stationary source in the dialog box. In this version, source type is correctly saved per user-specification. Erroneous "This type not found" errors are also eliminated.</p>	<p>The user can properly set source type.</p>

Receptors

Change	Effect
<p><u>Height</u></p> <p>In the previous version, the default height of a discrete receptor was 5.9 feet when working in English layout units. In this version, the default height is 6 feet.</p>	<p>The default height of discrete receptors is consistent with the default height of receptor networks.</p>

AERMET

Change	Effect
<p><u>TD-3280 Data Processing</u></p> <p>In the previous version, AERMET (version 02081) still did not properly read all surface weather elements of TD-3280 data format. EPA has fixed this bug, and AERMET now reads all of the necessary elements from files of this type. This update replaces the previously installed AERMET executables with version 02211.</p>	<p>The user can now use TD-3280 surface meteorological data for their studies.</p> <p>Additional information about AERMET is available at the EPA SCRAM site: http://www.epa.gov/scram001/tt26.htm#aermod</p>

AERMOD Input Files

Change	Effect
<p><u>Freezes</u></p> <p>In the previous versions, including any aircraft that uses the “D-36” engine causes EDMS to “freeze” while attempting to generate AERMOD input files. In this version, the cause of the freeze is eliminated.</p>	<p>The user can include the “D-36” system engine in dispersion analyses.</p>