What's new in ADMS-STAR 1.1?

July 2016

A number of improvements are included in this release of ADMS-STAR, version 1.1. Details of the changes since the release of the previous version of ADMS-STAR, version 1.0 (December 2012) are given below.

This version of ADMS-STAR includes an updated model, interface and User Guide. The updated User Guide can be found in the *Documents* sub-directory of the ADMS-STAR installation directory.

Upgrading your input files

Model input (*.hpl*) files that were created with the previous version of ADMS-STAR will not automatically run with ADMS-STAR 1.1. In order to run an older ADMS-STAR input file with ADMS-STAR 1.1, the file must first be saved in an ADMS-STAR 1.1 format as follows:

- In Explorer, make a backup copy of the file.
- Load the file into the ADMS-STAR 1.1 interface. A warning message will be issued indicating that the file will be updated to ADMS-STAR 1.1 format. Click **Yes** to continue.
- Save the file.

Model Changes

1. Concentration dose is now calculated in addition to the accumulated deposition and instantaneous concentration. Concentration dose is output at all receptor points and for both gridded and radii output.
2. Inhalation dose can now be calculated for receptor points and gridded output. The inhalation dose output is given both as a value per emitted isotope and as a total over all emitted isotopes.
3. Thyroid dose due to iodine can now be calculated for receptor points and gridded output. The thyroid dose due to iodine is given both as a value per emitted iodine isotope and as a total over all iodine isotopes.
4. Emergency Response Level contours can be calculated for inhalation dose and thyroid dose due to iodine. For inhalation dose and thyroid dose ERL contours are output for sheltering and evacuation, and for thyroid dose the stable iodine tablet contour is also given.
5. Gamma dose due to concentration and deposition can be calculated at up to 5 receptor points.