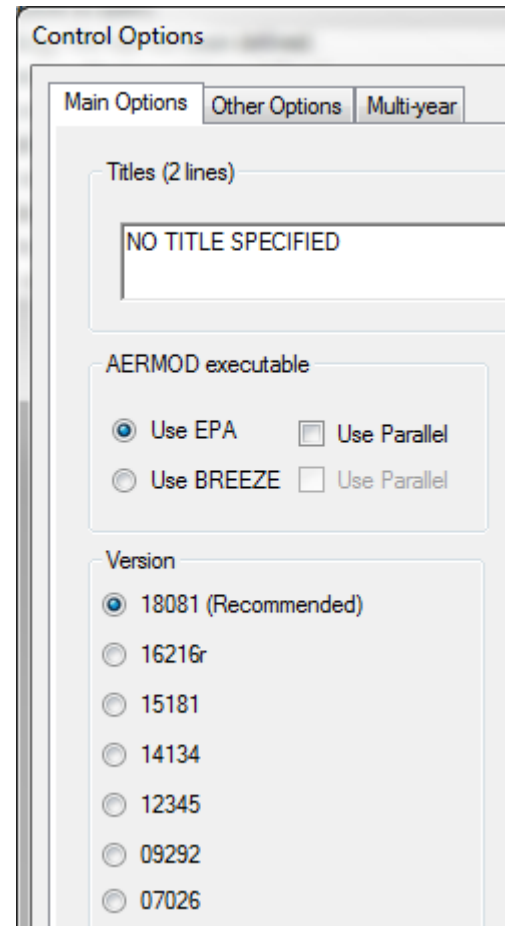


Release Notes **BREEZE AERMOD 8.1**

New Features

- Incorporates the latest [U.S. EPA AERMOD executable 18081](#) and [U.S. EPA AERMAP executable 18081](#) released on April 24, 2018, which includes the following enhancements:
 - Enables ARM2 with Buoyant Line Source
 - Adds ALPHA Option Flag
 - Replaces LOWWIND1, LOWWIND2, and LOWWIND3 BETA options with LOW_WIND ALPHA option
 - Removes the original Ambient Ratio Method (ARM). This was replaced by ARM2 options in previous versions
 - Replaces the PSDCREDIT BETA option with PSDCREDIT ALPHA option
- Enables high-speed parallel and BREEZE versions of the latest AERMOD executable 18081
- Adds an option for 64-bit operating system users to select between running the 64-bit or 32-bit version of AERMOD
- Enables buffer receptors to be added to either side of the U.S. EPA line source and the roadway source
- Incorporates updates made to the input file format so that older versions of BREEZE AERMOD can read projection information entered in BREEZE AERMOD version 8.0 and higher
- Enables the Index column in the Data tab to be sorted numerically
- Incorporates updates made to the base map downloading tool so that the downloaded image can be fully previewed by using scrollbars
- Adds an informative message after all scheduled model runs are completed



Bug Fixes

- Fixed a bug that prevented parallel executables from running on certain Windows 10 machines
- Fixed a bug that disabled Method 2 in the Particle Deposition tab of the Source window
- Fixed a bug that incorrectly created buildings from DXF files
- Fixed a bug that prevented 3D Analyst from opening the .amz results file in some cases

- Fixed a bug that prevented urban areas from being assigned to sources
- Fixed a bug that displayed incorrect coordinates for downloaded maps in the Map Manager if the unit for selected projections was km
- Fixed a bug that wrote an incorrect EPA line source width to the input file when a non-metric value was specified

Known Issues

- When the multi-year option is enabled in the Control Options, subsequent years must be run immediately after prior years in order to properly read the output files.
- Some USB Hardware Keys (dongles) for licenses of AERMOD Parallel that were issued for use with AERMOD version 11103 and earlier executables will not be compatible with the most recent editions of the AERMOD Parallel and BREEZE AERMOD Parallel executables. These keys may need to be updated; .
- When a number of one unit is converted to another unit, the total decimal places of the original number are retained for the converted number. This may result in a reduced number of significant digits of the converted number and a loss of precision.
- In certain situations polygon buildings drawn from the Map Tab may not be displayed properly in the 3D Tab. **NOTE:** This is a graphical issue and will not affect the modeling results.

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