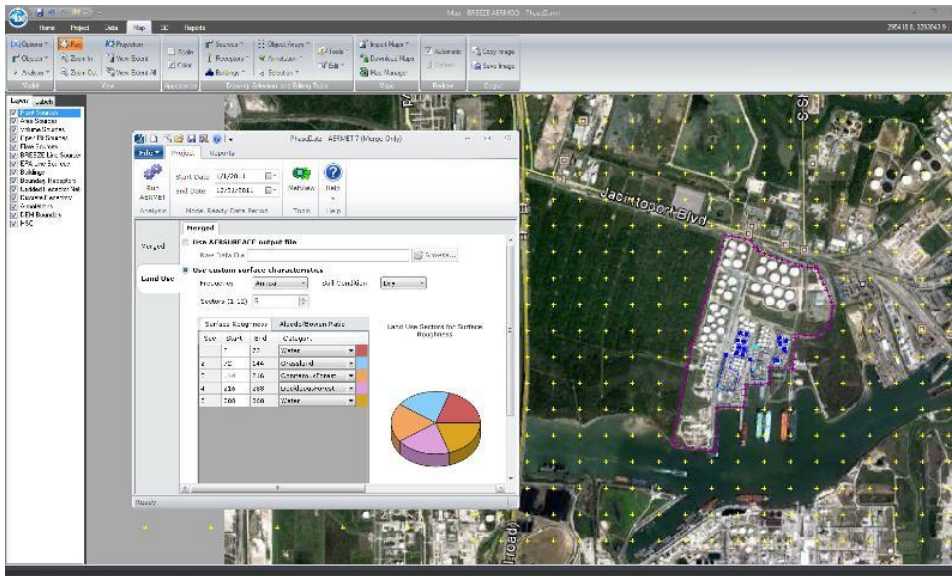# BREEZE AERMOD Version 7.7 – new features

BREEZE AERMOD Version 7.7 fully supports the recently released 12345 regulatory executable, along with the Parallel and BREEZE-enhanced versions of this new AERMOD executable. In addition to these updates, the BREEZE AERMOD modeling suite now includes a number of enhancements that maintain its reputation for being the most comprehensive dispersion modeling software package on the market. BREEZE AERMOD is an essential and powerful tool for the modern air quality modeler!

Feature List:

- Includes the most recent US EPA AERMOD 12345 executable, which contains several notable updates:
  - Meteorological data requirements that will no longer run with data from AERMET 06341 and will generate a warning message for AERMET 11059 data
  - Two new Beta (non-default) options that address model performance concerns in low wind speeds
  - A new line source type that is similar to and can be used as an alternative to rectangular area sources
  - Six miscellaneous bug fixes for various subroutines
- Backwards compatible with versions 12060, 11353, 11103, 09292, and 07026 of AERMOD.
- Supports BREEZE-enhanced (multi-pollutant) and Parallel versions of AERMOD from the latest 12345 executable backwards through 07026.
- Contains direct access to the updated BREEZE Remote Modeling System through the software interface.
- Integrates the new "merge-only" version of BREEZE AERMET 7.2 for Stage 3 processing of meteorological data for AERMOD using the most recent 12345 and previous 12060 AERMET executables from the US EPA (for current users who require this functionality, please contact technical support).

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