



Release Notes BREEZE AERMOD 7.11

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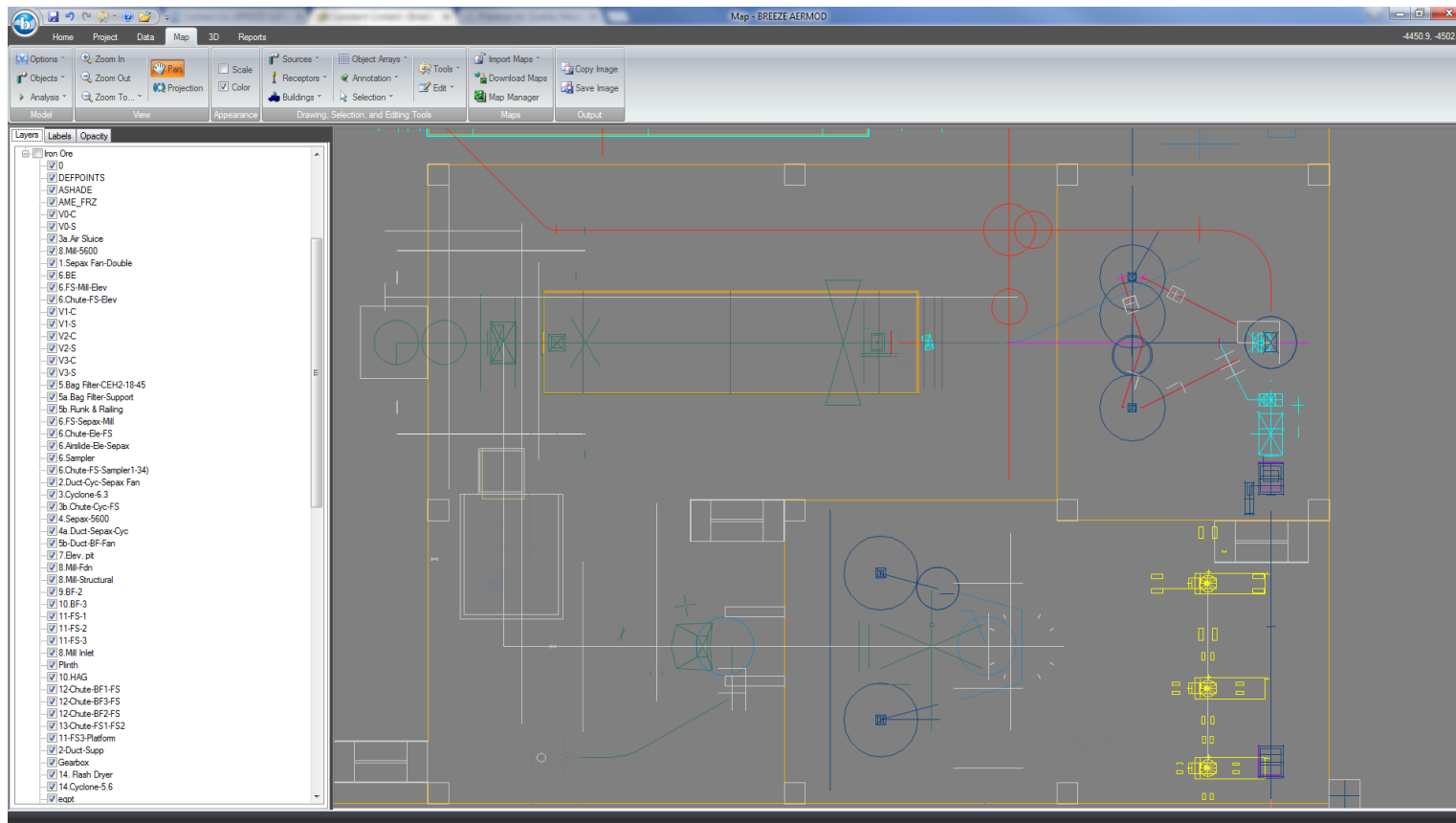
BREEZE AERMOD 7.11

Release Notes

What's New in 7.11

- Updated map control to feature significant improvements to the map view including:
 - Added support for base map image size of 60 MB or more depending on the hardware
 - Added keyboard shortcuts for operations including unselecting, deleting, selecting all, multiple selection, copying, and pasting
 - Added mouse wheel operation for zoom in and out
 - Improved map update when adding and deleting objects and removed the unnecessary Redraw toolbar
 - Improved object selection so that if any part of an object is selected, the entire object will be selected
 - Updated displaying style for some objects in the Map Tab
 - Updated projection form to include coordinate system with more projections
 - Removed the unnecessary projection settings when importing shapefiles
 - Removed unnecessary projection group box and combined the View tab into Map Data Tab in Map Manager

- Added a feature to allow importing of 2D and 3D geometric data with AutoCAD's .dwg/dxf file formats

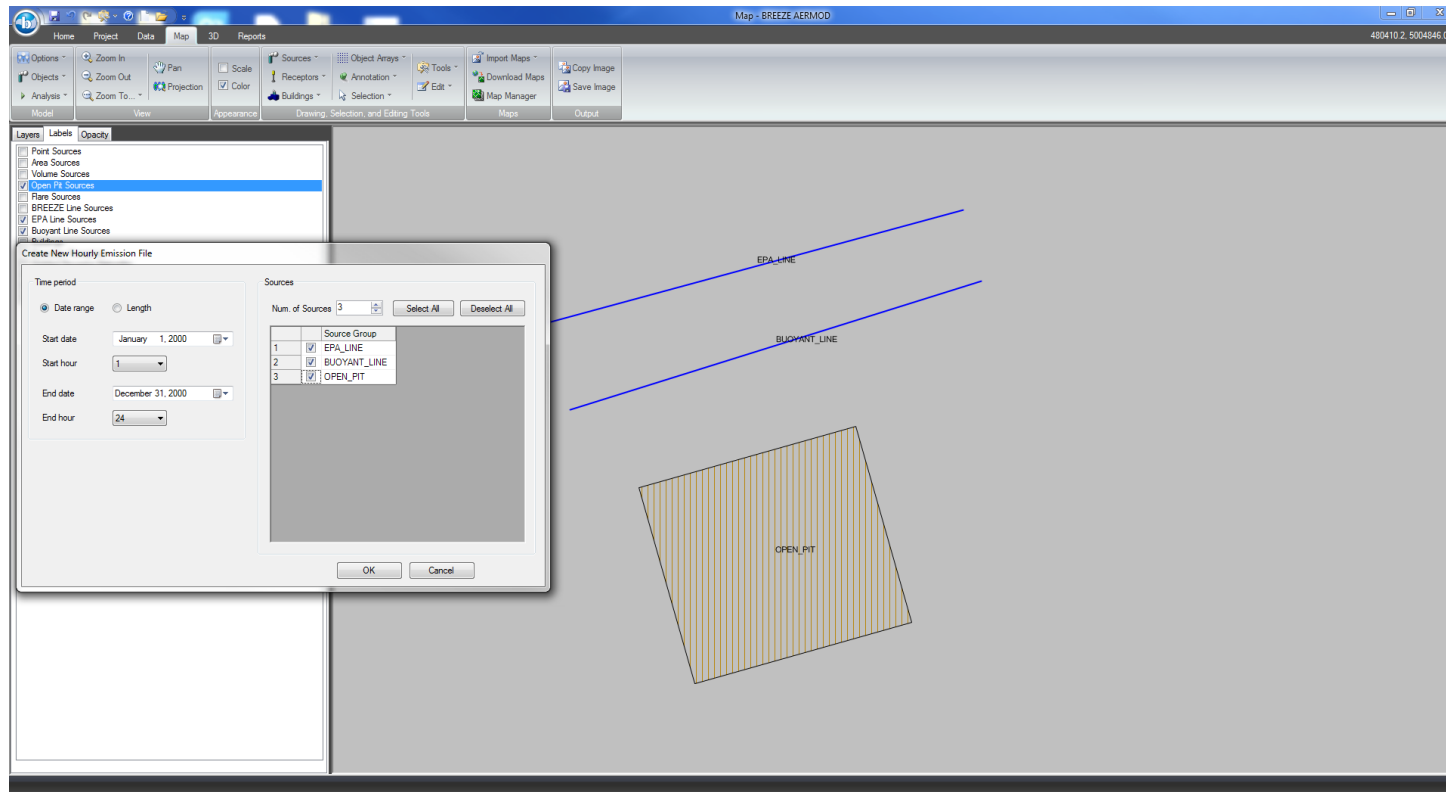


- Added a table in Results Summary that provides receptors with the top 10 concentrations

The screenshot displays the 'Maximum Top 10 - Average Concentrations' table within the Breeze AERMOD software interface. The table is organized into columns for Period, Pollutant, Group, Avg. Conc., X, Y, Z, Rec-Type, and Date. The data is sorted by average concentration in descending order.

Period	Pollutant	Group	Avg. Conc.	X	Y	Z	Rec-Type	Date
								YYMMDDHH
1-HR	OTHER	PT_TALL	107.38040	161744.80	4750276.30	0	OC	95010513
1-HR	OTHER	PT_TALL	95.81179	161744.80	4749476.30	0	OC	95010112
1-HR	OTHER	PT_TALL	103.65462	161844.80	4749876.30	0	OC	95010514
1-HR	OTHER	PT_TALL	95.28559	161644.80	4750176.30	0	OC	95010513
1-HR	OTHER	PT_TALL	102.63078	161844.80	4750276.30	0	OC	95010513
1-HR	OTHER	PT_TALL	91.97804	161144.80	4750076.30	0	OC	95010511
1-HR	OTHER	PT_TALL	100.29712	161844.80	4749376.30	0	OC	95010114
1-HR	OTHER	PT_TALL	91.91780	161944.80	4750476.30	0	OC	95010513
1-HR	OTHER	PT_TALL	98.17800	161944.80	4749376.30	0	OC	95010514
1-HR	OTHER	PT_TALL	91.82390	160544.80	4750276.30	0	OC	95010513
1-HR	OTHER	PT_SHORT	324.90929	162044.80	4749976.30	0	OC	95010211
1-HR	OTHER	PT_SHORT	303.95216	161044.80	4750276.30	0	OC	95010511
1-HR	OTHER	PT_SHORT	322.08998	161944.80	4749976.30	0	OC	95010211
1-HR	OTHER	PT_SHORT	299.92002	160744.80	4750276.30	0	OC	95010511
1-HR	OTHER	PT_SHORT	319.98142	162144.80	4749976.30	0	OC	95010211
1-HR	OTHER	PT_SHORT	298.19654	162344.80	4749976.30	0	OC	95010211
1-HR	OTHER	PT_SHORT	310.18875	162244.80	4749976.30	0	OC	95010211
1-HR	OTHER	PT_SHORT	292.78186	160844.80	4750176.30	0	OC	95010311
1-HR	OTHER	PT_SHORT	307.62317	161844.80	4749976.30	0	OC	95010211
1-HR	OTHER	PT_SHORT	284.73351	162444.80	4749976.30	0	OC	95010211
1-HR	OTHER	COALPILE	64.90616	161444.80	4746476.30	0	OC	95010219
1-HR	OTHER	COALPILE	53.26566	161344.80	4746276.30	0	OC	95010219
1-HR	OTHER	COALPILE	60.55042	161444.80	4746376.30	0	OC	95010219
1-HR	OTHER	COALPILE	52.11251	161544.80	4746676.30	0	OC	95010219
1-HR	OTHER	COALPILE	60.26689	161544.80	4746576.30	0	OC	95010219
1-HR	OTHER	COALPILE	51.05697	161744.80	4749876.30	0	OC	95010207
1-HR	OTHER	COALPILE	57.34061	161444.80	4749376.30	0	OC	95010219
1-HR	OTHER	COALPILE	50.38961	161344.80	4749076.30	0	OC	95010219
1-HR	OTHER	COALPILE	55.95236	161344.80	4749176.30	0	OC	95010219
1-HR	OTHER	COALPILE	50.27512	161444.80	4749276.30	0	OC	95010219
1-HR	OTHER	BUILDING	465.60173	161044.80	4746676.30	0	OC	95010209
1-HR	OTHER	BUILDING	208.06146	160944.80	4749376.30	0	OC	95010219
1-HR	OTHER	BUILDING	368.48567	161044.80	4746676.30	0	OC	95010219
1-HR	OTHER	BUILDING	195.03909	161144.80	4749876.30	0	OC	95010207
1-HR	OTHER	BUILDING	259.34039	160944.80	4749476.30	0	OC	95010219
1-HR	OTHER	BUILDING	179.49271	160844.80	4749276.30	0	OC	95010219
1-HR	OTHER	BUILDING	221.41716	161044.80	4749776.30	0	OC	95010219
1-HR	OTHER	BUILDING	172.48404	160844.80	4749476.30	0	OC	95010221
1-HR	OTHER	BUILDING	216.36693	160944.80	4749576.30	0	OC	95010221

- Modified Hourly Emission File Editor to create hourly emission records for open pit, EPA line, and buoyant line sources



- Added a warning message about a flare's temperature if a flare is defined
- Increased the line length limitation and file name length limitation in the input file for version 09292 and later
- Added a warning message if the elevation field is left blank in the Data Tab
- Added a note for users to set up additional buoyant line source parameters
- Changed the emission rate unit for buoyant line sources from g/s/m² to g/s to reflect the U.S EPA's documentation typographical error

Bug Fixes

- Fixed a bug that caused the program to crash when reading certain ISC input files
- Fixed a bug that prevented basic MetView from being launched in the Meteorology section or the Project Tools
- Fixed a bug that prevented variable emission rate factors to be defaulted to the value of one when switching temporal options
- Fixed a bug that prevented Zoom to function from displaying proper objects
- Fixed a bug that dropped the dry depletion option when reading ISC input files
- Fixed a bug that caused the program to crash when using the keyboard to input Start Hour or End Hour data into the Hourly Emission File Editor
- Fixed a bug that caused the program to crash when clicking on Stop for Schedule Runs

Known Issues

- When the multi-year option is enabled in the Control Options, subsequent years must be run immediately after prior years in order properly read the output files.
- Some USB Hardware Keys (dongles) for multi-core licenses of AERMOD that were issued for use with the 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; please contact Support with related questions.
- Event runs must be executed immediately after the corresponding standard AERMOD run.
- Some numbers (e.g., ones that have a low number of or no decimal places) may be carried out to a higher number of decimal places when converting between different units of measure in both the Data tab and the Sources form of the Project tab, resulting in a loss of precision.