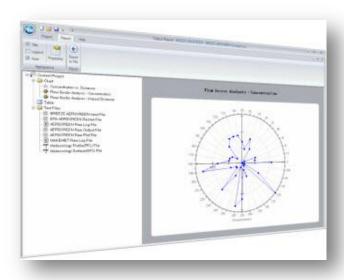
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BREEZE AERSCREEN

AERSCREEN is a screening model based on U.S. EPA AERMOD air quality dispersion model. The model will produce estimates of "worst-case" 1hour concentrations for a single source, without the need for hourly meteorological data, and also includes conversion factors to estimate "worst-case" 3-hour, 8hour, 24-hour, and annual concentrations. AERSCREEN is intended to produce concentration estimates that are equal to or greater than the estimates produced by AERMOD with a fully developed set of meteorological and terrain data, but the degree of conservatism will vary depending on the application.

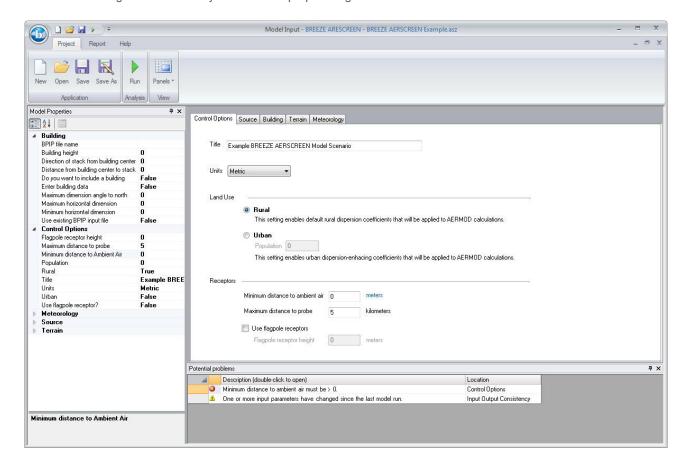
Model scenarios created with AERSCREEN are compatible with the BREEZE AERMOD modeling system. Simply open the AERSCREEN scenario in BREEZE AERMOD to transfer scenario information to this refined model.



BREEZE AERSCREEN is simple and easy to use. There are only a few steps that need to be completed to setup, execute and analyze model results. All of the model setup is done in a series of data entry tabs or in a model properties panel.

Integrated User Interface

BREEZE AERSCREEN integrates all the data entry, analysis, and display functionality into a single system. The Ribbon Bar organizes functionality while the display windows and property forms allow for easy data entry. Scenario data can be entered in well organized data entry forms or in a properties grid.



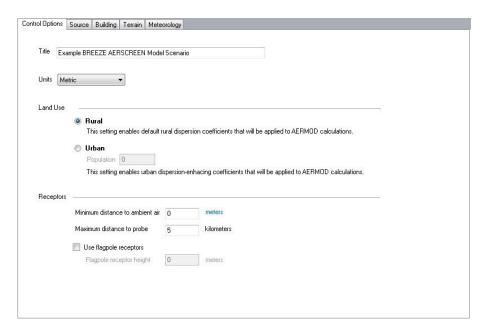


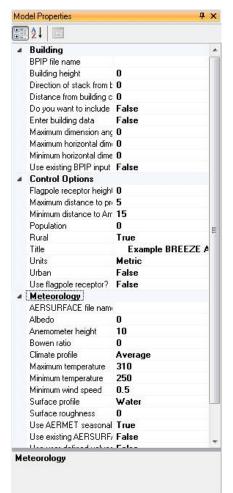
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Data Entry Forms

Data entry is organized in a series of folders. Each folder contains options and parameters associated with the various AERSCREEN data blocks. Setup of the various input files is done automatically and execution of the various Fortran programs (e.g., AERMOD, BPIPRM, AERMET) is seamless, streamlining the entire process and virtually eliminating the potential for costly errors.





Scenario / Model Properties

In addition to the data entry forms, BREEZE AERSCREEN allows for scenario settings to be set in a "Properties" panel. The Properties panel organizes data logically and displays all options in a single view. This panel is also dockable meaning that you can detach it from the main window and move it to where it is most convenient for you. When the panel is "docked", it can also be set to auto-hide.

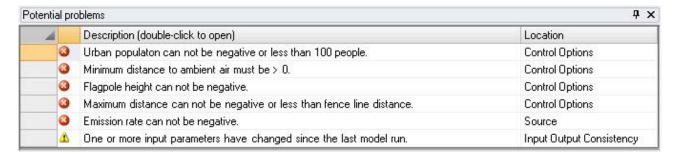


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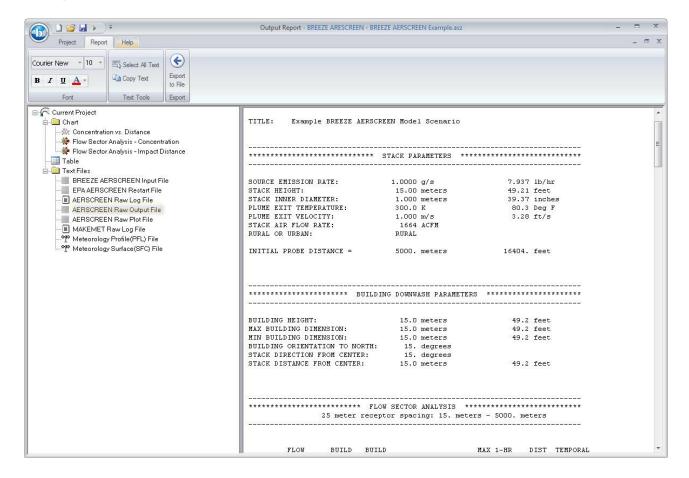
Diagnostics / Problem Prevention

A diagnostics panel displays informational messages, warnings, and errors alerting the user to potential problems with the scenario. Each message is preceded by a visual indicator identifying the severity. While informational and warning messages will not necessarily prevent a scenario from successfully completing, error messages indicate that if the run is executed, it will fail. Clicking on a message will take the user to the location within the application that trigged the message.



Text Reports

The Reports view organizes and displays input and output files generated by BREEZE AERSCREEN. In this view, model output can be view as generated by the AERSCREEN model. The user can change the attributes of the text (e.g., font style, color, size) and create additional external text files of what is displayed.

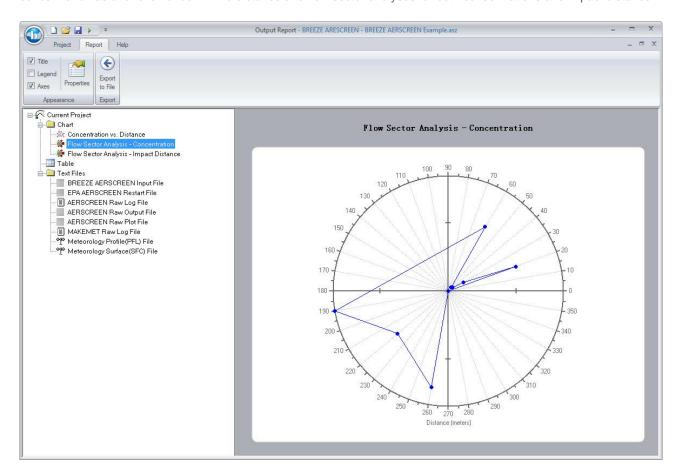


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Charts / Plotting

After a model run, BREEZE AERSCREEN will create a variety of charts of modeled concentrations. Charts include concentration as a function of downwind distance and flow sector analyses for both concentrations and impact distance.



Requirements

This BREEZE application runs on Windows PC's. The following are minimum and recommended system requirements:

Parameter	Minimum	Recommended
Operating System	Windows XP, Windows Vista, Windows 7	Windows XP or Windows 7
Processor	Intel® 32-bit (x86) or 64-bit (x64)	Intel® 32-bit (x86) or 64-bit (x64)
RAM	256 MB	500 MB or greater
Available hard disk space	100 MB	500 MB or greater
CD-ROM	Not required	Not required
Mouse or pointing device	Required	Required
Monitor resolution	1024 x 768	1280 x 1024 or greater