

Meteorology

Which meteorology option should I use?

In general, the Full Meteorology option should be chosen as it covers all possible scenarios and provides the most conservative estimate when running SCREEN3. The other two options may be useful when particular meteorological conditions are of concern, but are not recommended for routine uses of SCREEN3.

The screenshot shows the 'Screen View 3.0.0' application window. The title bar indicates the file path is 'C:\Lakes\tutorial\tutorial.scr'. The menu bar includes 'File', 'Data', 'Run', 'Output', 'Tools', and 'Help'. The toolbar contains icons for 'New', 'Open', 'Print', 'Run', 'Inputs', 'Options', 'Graph', 'Output', and a 'Help' icon. Below the toolbar, the 'Source Type: Point' is selected. The 'Terrain Options' section has three radio buttons: 'Simple Terrain', 'Complex Terrain', and 'Complex + Simple Terrain'. The 'Simple Terrain' section has two radio buttons: 'Flat Terrain' and 'Elevated Terrain'. The 'Choose At Least One Option' section has two checkboxes: 'Automated Distances' (checked) and 'Discrete Distances'. The 'Options' section has two checkboxes: 'Fumigation' and 'Building Downwash'. The 'Meteorology' tab is selected, showing 'Meteorology for Simple Terrain Screening'. This section has three radio buttons: 'Full Meteorology (All Stability Classes and Wind Speeds)' (checked and highlighted with a red box), 'Single Stability Class', and 'Single Stability Class and Wind Speed'. The 'Non-Regulatory Options' section has two sub-sections: 'Brode 2 Mixing Height ?' with 'No' (checked) and 'Yes' radio buttons, and 'Anemometer Height' with 'Default' (checked) and 'Specify' radio buttons. The 'Default' option has a value of '10.00' [m], and the 'Specify' option has a value of '2' [m]. At the bottom right, there are 'Previous' and 'Next' navigation buttons.

Unique solution ID: #11026

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Last update: 2010-06-02 17:56