Meteorology

What is the anemometer height?

The anemometer height is the height above the ground at which the wind speed is measured. The default value for the anemometer height is 10 meters. The anemometer height is of particular importance for calculating the building downwash in Screen View. In order to calculate building downwash the measured the wind speed must be adjusted to the stack height wind speed, and this requires knowing the height of the original measurement, the anemometer height.

Screen View 3.0.0 - [C:\Lakes\tutorial\tutorial.scr]		
<u>File Data Run Output Too</u>	ols <u>H</u> elp	
New Open Print	Run Inputs Options Graph Output	
Source Type: Area		
Terrain Options	Choose At Least One Option ✓ Flat Terrain ✓ Automated Distances ☐ Discrete Distances	
Meteorology Automated Distances	Discrete Distances	
Meteorology Automated Distances Discrete Distances Meteorology for Simple Terrain Screening Non-Regulatory Options Full Meteorology (All Stability Classes and Wind Speeds) Brode 2 Mixing Height ? Single Stability Class No Stability Class: F - Stable Stability Class: F - Stable Meteorology Meteorology (All Stability Classes and Wind Speed) Stability Class: F - Stable Stability Class: F - Stable		

Note: Changing the anemometer height from the default value of 10m is a nonregulatory option. Unique solution ID: #11024 Author: Gareth Davis Last update: 2010-06-02 17:40