



Version 7 Newest Features

Aug 2010 Software Update: Hydra Interface 7.0.0.50

Field Descriptions Displayed

In the Entity Properties grid, there is now a complete field description displayed in the program interface for each injection set field, as well as each design paragraph parameter.

Entity Types Descriptions

The Entity grid SY_TYPE field now shows the full name of each entity type, such as “MAN – Manhole”, “EPI – Existing Pipe”, etc, in a drop-down box, to make it easier to select.

Save View for the Plan Window

You can now save your place in the Plan Window under a name for viewing later. For example, if you are zoomed in to a problem area, use the “Save View...” command in the View menu and save it as “Problem Area #1”. Later, select “Go to saved view” in the View menu to go directly to “Problem Area #1” again.

Radar/Multiple-Gauge Storms in Storms Dialog Box

The Storms dialog box now supports multiple-gauge storms, including radar data. Create new multiple-gauge storms by selecting Gauge Storm from the New Storm button. Import multiple-gauge storms from Hydra 6 .STO format by clicking on the Import button. Multiple-gauge storms display along with single hyetograph storms, and intensity-duration-frequency curves. Select any storm type for the current analysis scenario in the Storms tab in the Scenario Properties dialog box. The ability to select a multiple-gauge storm as an external .STO file is still available.

Data Checks Expanded to Injection Set Fields

The data check which is performed on your project database prior to hydraulic analysis now looks at all injection set fields. Values are compared to valid ranges. An error or warning will be reported in the Messages tab if individual field values are null or out of range.

Polygon “handle” clipping

When converting older models to the new Hydra 7 format, Hydra now removes the polygon “handles” which were at one time recommended as a digitizing technique, and has improved polygon graphics error checking. Polygons have a consistently cleaner appearance and more reliable polygon-polygon intersect.

Optional override feature for automatic connections from flow layer

Hydra automatically connects each flow layer polygon or point to the closest collection system entity, using the X/Y values of the centroid of the polygon or point. However, there is now a way to override the automatic connections and direct the flow anywhere. The new optional Connect_X and Connect_Y fields in the Properties table let you manually input the X/Y values to be used for the automatic connections.

Improved Topology Troubleshooting

Additional messages have been added to the topology data check – with the goal of making this process completely user friendly. You should always receive a message listing specific entities as the source of any topology problems.

Do you have a feature request? Please let us know what new features you'd like to see included in the next software update.

