Bradley B Bean PE

Engineering And Software For The Natural Gas Industry

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GASWorkS 10 - Unbroken Intersections

We have used this space to highlight several of the new <u>features</u> GASWorkS 10 has to offer. Last month's topic was Flags.

We went into detail about all the different kinds of flags used in GASWorkS. All except for one - the Intersection Flag.

Intersection Flags are used by the *Flag Unbroken Intersections* command to mark nodes at unbroken intersections. What are unbroken intersections?

Unbroken intersections are points in the model where pipes appear as though they should be connected to a node, but aren't. The *Flag Unbroken Intersections* routine reviews each node, searching for unconnected pipes within a certain distance of the node, known as a Fuzzy Tolerance. If an unconnected pipe is found inside the Fuzzy Tolerance radius, the node is flagged.

This is important to GASWorkS because pipes can only connect to other pipes at a common node. Sometimes a pipe appears to be connected to a node, but it actually isn't. This can lead to situations where lateral pipes are not connected to their headers.

GASWorkS offers several tools to address unbroken intersections, such as the *Tap A Pipe*, *Move Pipe End*, and *Break Flagged Intersections* commands. Refer to the Help Guide for more information on these commands.

Not all nodes flagged as unbroken intersections are errors. Sometimes, the routine finds pipes that are not meant to be connected to the flagged node. We encourage you to review all flagged intersections individually. You can place Intersection Flags manually using the *Set Intersection Flag* command, and clear them with the *Unset Intersection Flag* command to avoid unexpected results. If you want the *Flag Unbroken Intersections* routine to ignore a node, set the *Allow Intersection Flag* option in the Node Data to "No".

If you have not already tried GASWorkS 10, click here to request a 30-day evaluation copy. To upgrade today, fill out an order form and return it to sales@b3pe.com.

Newsletter Archives

Our past newsletters are now archived on the B3PE website. Visit the Newsletter Archive to catch up on past editions. The archive is sorted by date, with the most recent newsletters at the top of the list, and that month's highlighted Help topic.

2018 GASCalc & GASWorkS Training

The final scheduled Basic GASCalc 5.0 and GASWorkS 10.0 training courses of 2018 will be held from **September 12 to 14** at the world headquarters in Colorado Springs, Colorado. Seats are still available. To reserve a spot, fill out and submit a registration form.

Visit the Training Information page of our website for more information, including an overview of our training courses and details on travel and accommodations.

B3PE Exhibition Schedule

We will be appearing at the following conferences in the coming months:

- New Mexico Gas Association Pipeline Safety Seminar, September 25 to 27, Ruidoso, New Mexico.
- APGA Operations Conference, October 30 to November 1, Chattanooga, Tennessee.

If you are attending one of these conferences, we invite you to visit our booth and learn more about our innovative design and analytic solutions. If not, stay tuned to the newsletter for future announcements of conferences where B3PE will be exhibiting.

Software Update

Our work doesn't end on release day. Visit our [Updates](#) page to keep your software up-to-date with the latest tweaks and fixes. GASWorkS 10.0 users will find the latest revision posted on **August 28**.

The latest update to GASCalc 5.0 was posted on **April 23**. Development continues on the next version of GASCalc, including new calculations for cathodic protection. Are there any features would you like to see added? What changes would you make to improve the user experience? Let us know at news@b3pe.com.

Our Products

[GASWorkS](#)^{TM} - Affordable and robust network modeling.

[GASCalc](#)^{TM} - Suite of gas system design and analytical tools.

[StationManager](#)^{TM} - Regulator and relief valve station management solution.

[WaterCalc](#)^{TM} - Suite of water system design and analytical tools.