



# Bradley B Bean PE

Engineering And Software For The Natural Gas Industry

September 2018

## GASWorkS 10 - Trace & Update



Included in the many great new [features](#) of GASWorkS 10 are enhancements to existing features carried over from previous versions. This month's featured topic is one of those features carried over from GASWorkS 9 - the Trace & Update routine.

GASWorkS includes a tracing tool for finding the path or paths of the gas flow through a model. By specifying a direction and a starting point, GASWorkS can follow the flow paths until they reach a point where gas can no longer flow in that direction - like a dead end pipe, a closed valve, or a regulator - and highlight all connected pipes along the way.

Two commands use the tracing tool. The *Trace* command offers a useful way to view the flow paths graphically. The *Trace & Update Data* command adds the ability to edit features along the highlighted path.

Consider, as an example, if you wanted to set a common Facility Type for pipes within a portion of the model supplied by the same regulators.

Start by selecting the *Trace & Update Data* command from the GDI Command List to bring up the Trace & Update Data Specifications screen. From the *Trace Style* dropdown list, select "Trace To Regulators". Set the *Start Trace At* option to "A Node". Using the Color Palette, select a *Trace Highlight Color* - this is the color used to indicate the traced features in the GDI Display. From the *Set* dropdown list, select "Pipe Facility Type". Choose a value appropriate to your model from the *Equal To* dropdown list.

When you are ready, click the *Trace & Update* command button. You will return to the GDI Display to select the starting node of the trace. After choosing a node, a message will display the number of pipes selected, and ask whether to continue with the update. *Yes* will update the specified data, *No* will return to the specification screen, and *Cancel* will stop the command entirely.

Of course, if you realize you made an undesired change, you can use the *Undo* command to restore the original values.

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](mailto:sales@b3pe.com).

## **2018 GASCalc & GASWorkS Training**

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This month marked the last of our scheduled Basic GASCalc 5.0 and GASWorkS 10.0 training courses for 2018. We appreciate everyone who took the time to come to Colorado Springs, and we hope the classes increased your comfort level with our software.

Our course schedule for 2019 will be announced early next year. Stay tuned to the newsletter for those dates. In the meantime, if anyone would like to host an on-site training class, [contact us](#) to make the necessary arrangements.

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**

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

- [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**

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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 **September 17**.



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 you would like to see added? What changes would you make to improve the user experience? Let us know at [news@b3pe.com](mailto:news@b3pe.com).

## Our Products

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

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

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

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

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