

PSIG Conference 2010 – Bonita Springs, Florida

Technical Showcase Presentation

Problem: Single Pipe Surge Demonstration

Description:

We ask each solution provider to present a single pipe surge problem to the PSIG membership. The problem can be of any fluid(s) in a single pipe that experiences a surge caused by valve closure, equipment stoppage, or operational upset. This showcase is open to gas, liquid and multi-phase software solutions. Some important surge effects that may be presented and discussed are:

- Liquid – effects of overpressure for the downstream side of pump starts and the upstream side of delivery shut offs and cavitations or failure to meet required delivery pressures for the inverse.
- Gas – pipeline temperature effects and/or sudden inventory increase due to large and sudden industrial shut downs.
- Multi-phase - demonstrate small pressure/flow surge on an uphill slope can create a large slug of liquid as the liquid distributed along the slope is swept up into the surge.

These are just a few examples providers may want to present or providers are more than welcome to demonstrate additional examples of surge simulations in order to provide the membership with an understanding of the providers technical skills and advanced simulation software.

There will be time for 10 presentations of 20 minutes each. I propose we follow the same format as last year. The showcase host will announce the company name and then the floor is turned over to the simulation provider. The provider can then use the 20 minutes to present their technology in a professional and educational manner to the membership.

If your company would like to present during the 2010 showcase please respond to me as soon as possible to reserve a time slot. There are only 10 places available and the presentation order will be established by random drawing. If we do not have 10 presentations, then the simulation providers will each be allotted more time. Please email Susie Bachman at sbachman@eprod.com to let me know of your company's participation and if you have any questions concerning the Technical Showcase.

Participants will be asked to provide a short write up and/or schematic of their surge demonstration. This is a request from the membership and will be included on the conference electronic compilation of papers.

As always, thank you for your past and continuous participation at PSIG.

Susie Bachman