
July 2019 SPED Update

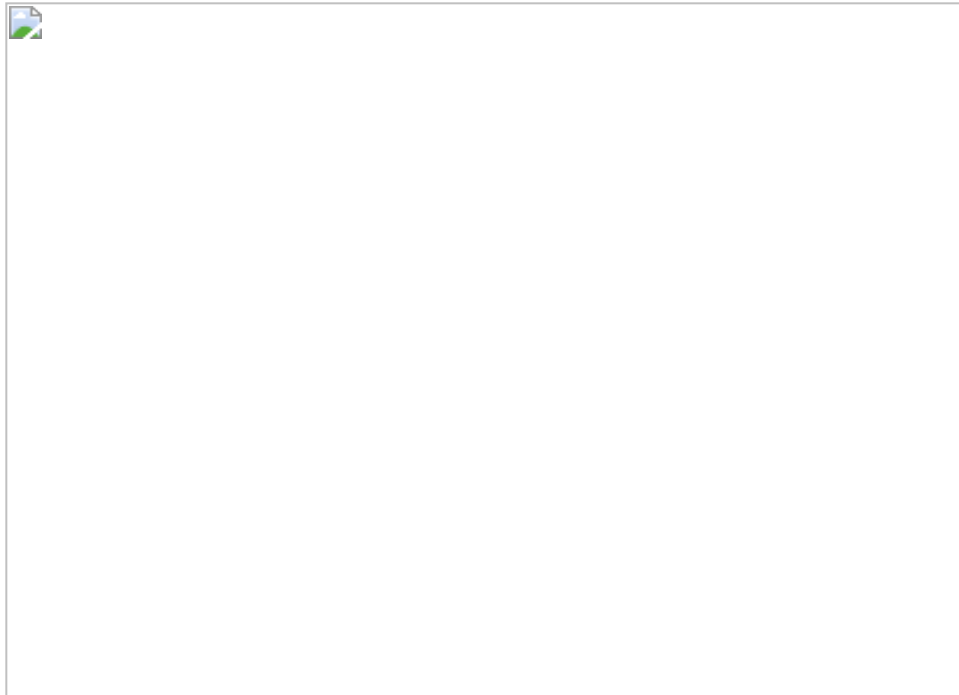
1 message

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Tue, Aug 6, 2019 at 10:29 AM

Society of Piping Engineers and Designers July 2019 SPED Update Newsletter

Hello again SPED members and friends of SPED!



[Sizing a Pump Discharge Pipe](#)

[PBC and PPL Course Completion](#)

Patrick Lashley PBC
Besnik Rraci PPL

New Members and Renewals

Michael Farley
Chris Bowman
Michael Jordan
Dudley Benoist
Andrew McCauley
Carlos.Maldonado
Keith Titzer
Kelly Lockett
Michael Rigsby
Robert LeMaster
Russel Johnson
Thomas Phillips
Johnny Dernulc
Robert Perkins

PPD Exams

Sheldon Bassant PPD 2
Dustin Gray PPD 3

SPED Announces Plans for New Course on Piping Design Quality Assurance

Course is Preparation for PPD Level II Certificaton

SPED has announced plans for a course on Piping Design Quality Assurance. The new course will prepare pipers to take the Profession Piping Design (PPD) Certification Exam for Level II. The course will be developed under the direction of the SPED PPD Advisory Committee (PPDAC) with review and input from SPED individual and Corporate Members. The course will be offered online with the video segments available for license.

“This PPD Level II course will fill an important gap in our training program,” said William G. Beazley, SPED Executive Director. “Our industry-standard PPD Level I and III course are widely used but Level II will now be addressed.” SPED’s Piper Bootcamp and Process Plant Layout courses address Levels I and III, respectively.

PPD Level II, Piping Design Quality Assurance, is considered a critical area of today’s piping layout work practices. It addresses checking various design documents for errors of content and consistency, as well as adherence to multiple codes and standards. Process Flow Sheets, Piping and Instrumentation

Diagrams, Equipment/Valve Data Sheets, Piping Layouts and Fabrication ISO's are among the documents reviewed for errors. Pipers will be expected to understand the data shown on each document and check for consistency between them.

In addition, there are additional topics addressed on field data collection and specialty piping systems. These topics, along with the QA checking are required by SPED's Recommended Practice RP-0001, which governs the SPED PPD Certification Program.

About SPED

Since 1980, SPED has focused exclusively on the needs of Piping Engineers and Designers, by:

1. Promotion of Piping Design as a Profession through Website Articles, Public Outreach and Chapter Activities.
2. Administration of the Professional Piping Designer Certification Program.
3. Training to increase Employability and Achieve PPD Certification.

Which piping design/engineering-related websites do you regularly visit? Look for an upcoming SPED membership survey where you can list your favorites, rank them and review/offer some constructive criticism on how they could improve their content and presentation.

Comparison Between Head Types: Hemi, SE, F&D and Flat



Do we have any octopus squeezer SPED members?

[Watch out for Dead Legs](#)

[OS & Y Valves Discussion](#)

[EPLANT lists the shortcomings of some of its competitors](#)

[Mind Piping System Mechanics](#)

[Globe Valve Show & Tell Animation](#)

Here are some interesting articles from [ChemicalProcessing.com](#)

[Piping Geometry: Grasp Line Layout](#)

Designing Pump Piping

Odd Layout May Make Even More Sense

Piping Layout Nearly Causes a Fatality

Preclude the Pitfalls of Pump Piping

Abandon-in-Place Must End

How Important is Piping Symmetry?

This looks far too tedious and time consuming (as opposed to conventional 3D laser scanning) for use in facilities with lots of piping but I imagine it would be quite precise. I could see it being used for vacuum jacketed or lined pipe where field joints are difficult.

<https://www.thechemicalengineer.com/news/gas-plant-explosion-in-china-kills-15/>

This is almost certainly an oxygen explosion, as it happened in an air separation plant. Oxygen piping has to be carefully routed so as to avoid any slow, gradual buildup of hydrocarbon or else something like this can occur.

Some good info on oxygen piping:

<https://www.eiga.eu/publications/eiga-documents/doc-1312-oxygen-pipeline-and-piping-systems/>

Introduction to Valve Types (YouTube)

Flexicraft is your one call for every style of expansion joint and flexible connector.



Don't forget that SPED is always on the lookout for member-written piping-related articles to publish at the website

See you all next time!



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