SPED Update

Volume III, Issue 5

May 2010

Executive Director's Note: Tuned-Up SPED PPD Training Gets Results

by William G. Beazley,
Executive Director, SPED

Since the introduction of SPED Professional Piping Designer testing in 2004, the quality of the test questions and training methods have steadily improved to the point where PPD test grades are consistently above passing. This year marks the first perfect (100) score on the SPED PPD Level I exam.

The first Process Plant Layout courses in Piping Design were recorded in 1991. *See the table to the right.*

For the first time, a student of Piper Bootcamp content, we had a student get a perfect score. Jane Wang, a 27-year employee of Rohm and Haas worked in the Process and Instrumentation department before taking the GPP program to upgrade to piping design. Wamg used the new hybrid class format, which featured live lectures, HCCS labs and online practice quizzes.

The GPP program is the first time students had a pre-test and post-test using the PPD Level I exam. The first class of 12 produced an average 21 point improvement in PPD test scores, with no declines.

In short, SPED has put in place an efficient, effective set of training options for PPD Certification.

PPD Piper BootCamp, Process Plant Layout, PPD Level I and III Review and Test are all available online, or live by arrangement.

Major Milestones in PPD Testing and Training	
1991	Process Plant Layout Course Videotaped in VHS Format
2001-2003	Process Plant Layout Vides Reformatted as Video CDs
2003	Process Plant Layout PowerPoint Slides Developed
2004	PPD Level III Test Rollout
2005	Piper Boot Camp Slides Developed PPD Level III Test Rollout University of Zaragoza begins online PPL Instruction in Spanish
2006	Online PPD tests Developed
2007	Piper Boot Camp recorded and PPL Re-Recorded in AVI format
2009	Macomb College Develops LMS-based Boot Camp/PPL course using videos, quizzes Videos converted to swf format Information Assets creates SPED Online course with glossaries Online Piper Boot Camp and PPL Reviews Recorded Review & Test rollout at COADE CADWorx UG meeting Online Reviews Developed
May 2010	Hybrid Piper Boot Camp instruction introduced in HCCS/SPED/H-GAC Green Process Piper Program Foreign Review & Test Programs in Calgary, Canada and scheduled in London, UK

Dr. William G. Beazley, Executive Director, SPED awards certificate in recognition of achieving a perfect score of 100 on the PPD Level I Exam.

Canadian Corner

SPED Calgary Kickoff Meeting a Success!

The kickoff meeting for Calgary's Aveva-sponsored SPED chapter went very well, with a full room at the down-town Hyatt.

Attendees network at the reception sponsored by AVEVA.

Two representatives WorleyParsons.

Richard Beale, Master of Ceremonies for SPED Calgary's 1st Meeting

During the event, a major blowing snowstorm fascinated those inside but caused multiple multi-car collisions on the highways of Alberta.

Amish Sabharwal,
VP Sales Operations AVEVA

Richard Beale filled the Master of Ceremonies role, introducing the key speakers Amish Sabharwal (VP of AVEVA Canada), Perry Nelson (ASET Registrar) and Dr. William Beazley (Executive Director of SPED).

Mr. Sabharwal discussed the advan-tages of using AVEVA software for plant design and the technological advances his company is making.

Mr. Nelson spoke about the benefits of ASET membership and the new Alberta legislation that allows ASET members to stamp the defined-scope engineering work for which they are responsible.

Mr. Beazley covered the benefits of SPED membership and the training SPED offers to industry.

During the meeting, a vote was held resulting in a tie for chapter presidency. Kevin Noakes of WorleyParsons and Paul Bowers of PipingDesign.com are currently co-presidents of SPED Calgary and are working together to plan out the future of the organization.

Paul Bowers

Attendees of the
1st Calgary SPED meeting.

Dr. William Beazley,
Executive Director, SPED

We've Added a New Phone Number!

SPED Membership / Certification
Accouting
Rachel Nichols
spedmgr1@spedweb.com
832-286-7678

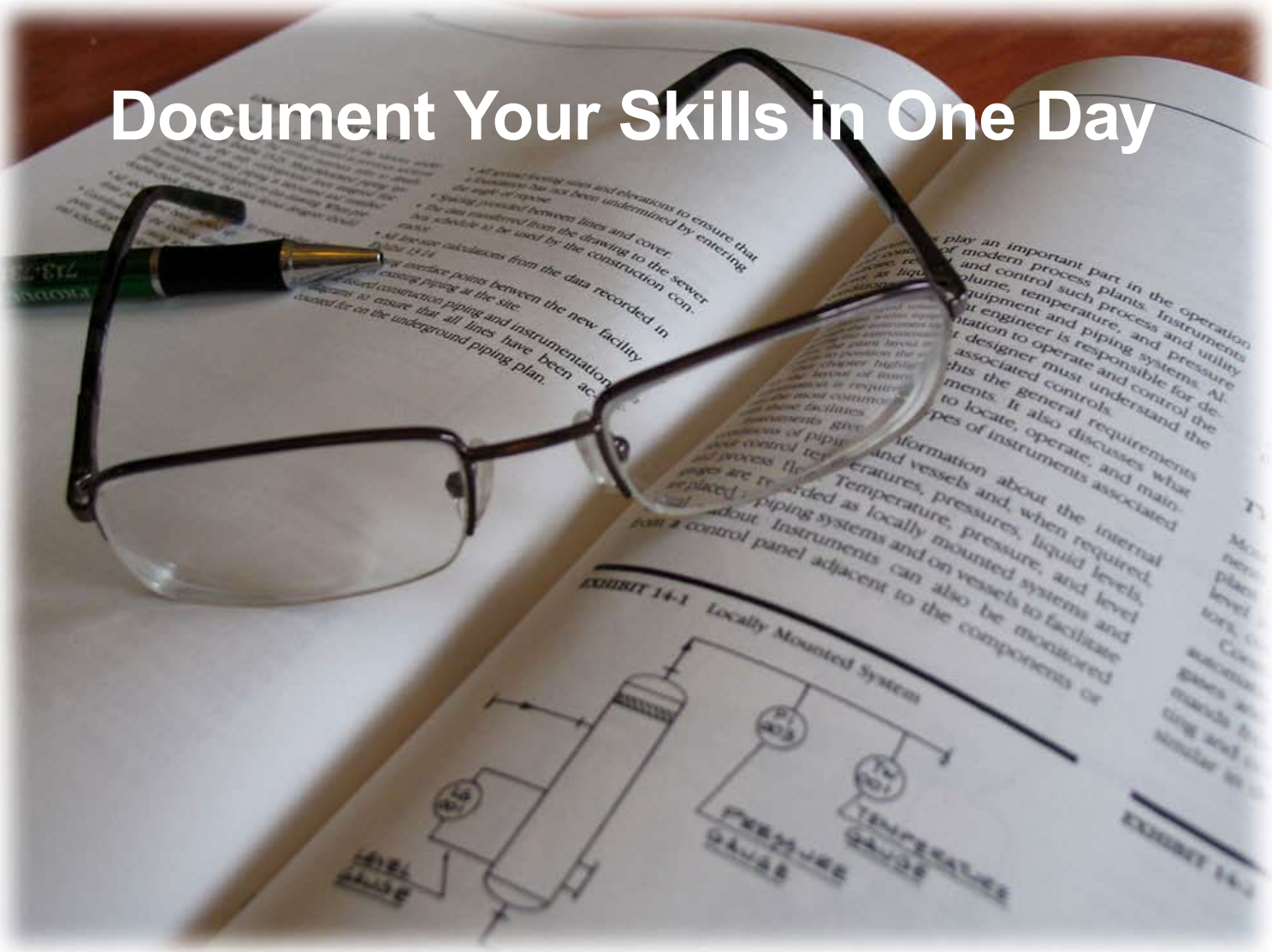
SPED Update Advertising
Press Releases
Online Courses
Review and Test
Sarah Evans
spedsrvs@spedweb.com
832-286-7678

Green Process Piping Grant
Amy Voss-Foster
gpp@spedweb.com
713-718-8086

SPED Piper Video Series
Sarah Evans
videos@spedweb.com
832-286-7678

General Information
Amy Voss-Foster
832-286-3404

Congratulations to Joe Miles of WorleyParsons Canada for pass-ing his PPD Level III exam with a perfect score of 100!



Don't miss this opportunity, Saturday May 22nd

SPED PPD Level III Review and Test

Hosted by:	SNC-Lavalin Engineers & Constructors Inc.
Who Should Attend	Pipers with 5+ years of experience
Instructor:	Dr. William G. Beazley, Executive Director, SPED
Date:	Saturday, April 10, 2010
Time:	7:30 A.M. - 6:00 P.M.
Location:	SNC-Lavalin Engineers & Constructors Inc. 9009 West Loop South, Suite 800 Houston, Texas 77096-1719
Cost:	$300 100% Club Members $350 Members, $400 Non-Members
Register:	Email spedsrvs@spedweb.com, or call 832-286-7678

Piping Technologies and Products Hosts Green Process Piping Students and Faculty

In April, Piping Technology and Products (PT&P) hosted SPED's Green Process Piping program students and SPED's Academic Institution faculty

members for a tour of their manufacturing facility and a barbeque dinner.

PT&P employees conducted two tours of approximately 25 students and faculty.

At the end of the tour, the group was treated to BBQ and a presentation of PT&P's history, organization, products and services available for today's market.

Thank you to Alan Cooper, and all the enthusiastic staff at PT&P for providing a great evening.

Seize the Opportunity

with the *new* Autodesk Plant Solutions

TOTAL CAD Systems Inc

Autodesk Gold Partner Architecture, Engineering & Construction Silver Partner Manufacturing Autodesk Authorized Training Center

Get an up-close look into the Autodesk Plant Solutions as our industry experts highlight the latest functionalities and features.

- **AutoCAD Plant 3D 2010**
- **AutoCAD P&ID 2010**
- **Autodesk Navisworks Manage 2011**

When: *Wednesday, May 26th*
Time: *1pm to 4pm*
Where: *Total CAD Systems Office*
480 N. Sam Houston Pkwy. E.
Suite 234
Houston, TX 77060

Seats are limited. RSVP TODAY!!

Email 2011@tcadsys.com or call (281)445-6161 to reserve your seat today.

Can't Take Time Off Work?

The Total CAD Systems, Inc. Plant Solutions Open House with SPED is after work hours. Discover the latest Plant Solutions Total CAD Systems has to offer, such as:

When: *Wednesday, May 19th*
Time: *6pm to 8pm*
Where: *Total CAD Systems Office*
480 N. Sam Houston Pkwy. E.
Suite 234
Houston, TX 77060

Email Nhi Hong (nhong@tcadsys.com) for more information or to register for this event.

U.K. & Eire CHAPTER NEWS

SPED PPD Review and Test planned near London

Following the success of the PPD Review and Test in Calgary, SPED UK is stepping up its efforts to launch via this means in the so far flat UK market.

A PPD Review and Test for Piping Engineers is planned for Saturday, June 19th, commencing at 9:00 to 9:30 and ending at approximatley 18:00. The event will take place just north of London at Premier Inn and Borehamwood. The cost will be £275 for early booking, and £300 closer to date.

It will consist of a review of the piping material in the SPED Level III course followed by the Level III Certification Test. The course will be lead by Anton Dooley of Piping Designers.

For more information, go to http://www.20cc.co.uk/sped-training-day/ or http://spedeurope.pipingdesigners.com.

I renew my appeal to US and Canadian corporate members to mention their involvement with SPED to those UK colleagues who they know. We need all the help we can get, to get this valuable but unknown qualification launched in the UK. It is certainly a key initiative for us.

UK Training Boards and SPED

I talked in the last Newsletter of the Government training levy placed upon UK Engineering Construction Companies. This levy was being used to develop a Piping Training Course for use in the UK. It would be free to members but the member company would have to provide the trainer.

I have queried many of my contacts who I know were involved with the training programme development. Many contacts have moved or been moved on. So no information from those sources. I made a close review of the website and can find no mention of this course, which was a flagship project.

If it has gone under it is a major blow to the ECITB (Engineering Construction Industries Training Board). It is also reduced competition for us, but a measure just how little interest there is in the training of pipers in the UK.

UK Process Industry News

Carbon Capture continues to get Government support for a retrofit on an old coal fired power station.

Oil & Gas UK is a UK trade association. It is promoting just how strong the domestic UK energy market is and how dependent it is on domestic suppliers, who earned 8bn in 2008. The industry as whole employs 450,000 highly skilled people. Norway is the principle UK gas supplier with very little coming from Russia.

Norman Harris

Norman.harris@20cc.co.uk

SPED Update
Corporate Members

Was one of your employees caught doing *exceptional* work? We think other members would like to read about it. Please send your written story (MS Word format) along with any pictures (jpg or tif) to spedsrvs@spedweb.com.

Green Process Piper Program Advisory Council Views New HCCS Labs, GPP Curriculum

On April 28, 2010, the Green Process Piper Program Advisory Council visited the new state of the art labs at HCCS Codwell Campus. Managers from AMEC Paragon, Fluor, Gulf Interstate, KBR, Mustang Engineering, and software leader AVEVA were present to tour the new facilities emphasizing cutting edge technology education for the needs of the Energy Industry. Tours included CAD Labs with AutoPLANT, AutoCAD, and PDMS, Process Technology Labs with models for in-class experiments featuring distillation towers, reactors, set point – control loops, and cavitation. The new labs, part of the HCCS Energy Institute, stress hands on learning so students experience all elements of the Process Plant without stepping into the plant.

Green Process Piping Design

Green Process Piping is the selection, sizing and routing of piping components to minimize life cycle energy costs. Since, initial routings often remain unchanged throughout many design, these costs can be reduced by better trained piping designers. The Green Process Piper Program is a 160 contact hour program underscoring the importance of Process Technology in the education of the Process Piping Designer in smart and efficient design. Funding of the Green Process Piper Program is through the American Recovery and Reinvestment Act (ARRA) by the Texas Workforce Commission and Houston-Galveston Area Council.

For more information or to enroll contact:
Amy Voss-Foster
GPP Educational Resource Specialist
E-mail: gpp@spedweb.com

Take the Pledge!

100% CLUB
SPED Professional Piping Designers

Join the SPED PPD 100% Club

SPED PPD 100% Club members pledge that 100% of their Piping Designers will become certified as Professional Piping Designers (PPD). Documenting staff credentials are simple:

- 100% of current Piping Designers get PPD Certified within one year of joining the program.
- New hires become PPD Certified within one year of employment.

Once you sign up and become a member of the PPD 100% Club, you can display the Club logo.

The PPD 100% is exclusively for SPED Corporate Members. SPED supports PPD 100% Club Members by providing the following:

- A copy of the PPD Review Video to help Piping Designers prepare for PPD exams.
- On-Call testing at the SPED office. (Fees apply.)
- Onsite testing review with 20 or more participants. (Fees apply.)
- Assistance to members in applying for State Funds to defray training and testing costs.

The PPD 100% Club Benefits EPC Employers, Clients and Piping Designers!

Contact us for more information.

SOCIETY OF PIPING ENGINEERS AND DESIGNERS
SPED

For more information, call 832.286.7678 or email videos@spedweb.com.

SOCIETY OF PIPING ENGINEERS AND DESIGNERS

offers the following online courses:

PPD Piper BootCamp

Ends in Level I Certification Exam; Testing and Textbook included in fee

Process Plant Layout and Piping Design

Ends in Level III Certification Exam; Testing and Texbook included in fee

SESSION V 2010	SESSION VI 2010
May 17th - July 30th	June 17th - August 26th

Register online at www.spedweb.com

9211 West Road, Suite 143-219, Houston, TX 77064 832.286.7678

New project?
Staffing issues?

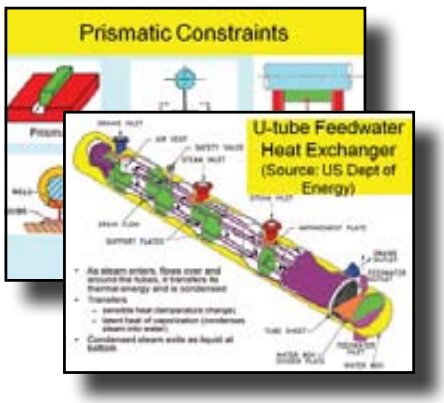
THE SPED PIPER VIDEO SERIES IS YOUR ANSWER.

"It's the Piper's resource for Information and Just-in-Time Training."

PIPER BOOTCAMP covers equipment and fittings necessary for routing pipeline from nozzle to rack to nozzle.

PROCESS PLANT LAYOUT covers knowledge and skills required for plant equipment and layout. Targets pipers already familiar with in-line pipe routing.

Version I contains original video recordings of live presentations by industry leaders. **Version II** contains newly recorded videos with additional topics, and extended notes.



Designed for the new Piper and as a useful resource for experienced Pipers, the SPED Piper Video Series is considered the Industry Standard for piping training.

For more information, call 832.286.7678 or email videos@spedweb.com.

Calendar of Events

Dates and Times	Day(s)	Location	Cost	Registration
Lee College Information and Registration Night for Current Students May 5, 2010 / 6 P.M. - 9:30 P.M.	W	Tucker Hall, Lee College, Baytown, TX	FREE	N/A
Total CAD Systems, Inc. Plant Solutions Open House Event May 19, 2010 / 6 P.M. - 8 P.M.	W	480 N Sam Houston Pkwy E Houston, TX 77060	FREE	RSVP to nhong@tcadsys.com
SPED PPD Review and Test SNC-Lavalin May 22, 2010/ 7:30 A.M. - 6 P.M.	Sat	SNC-Lavalin 9009 West Loop S Houston, Texas 77096-1719	$300	To register, email spedsrvs@spedweb.com
ECC 2010 - 42nd Annual ECC Conference Sept 1-4, 2010	W-S	Ritz Carlton, Orlando Great Lakes Orlando, FL	N/A	www.ecc.conference.org
2010 CadWorx University: Sept 27-29, 2010	M-W	Woodlands Waterway Marriott Hotel, Houston, TX	See website	www.coadeuserconference.com/2010/
SPED 2010 Annual General Business Meeting and Corporate Member Showcase November 2010	TBD	Houston, TX	TBD	www.spedweb.com

Join SPED Today!

Join us and enjoy discounts and other benefits. Visit http://www.spedweb.com.

Individual Professional Membership	$70 USD
Student Membership	$20 USD
Small Corporate Membership	$500 USD
Large Corporate Membership	$1000 USD
Global Corporate Membership	$10,000 USD
Academic Institution Membership	$500 USD

SPED Staff

Dr. William Beazley, Executive Director, Treasurer, Editorial Contributor

Andrea Macejak, Manager of Operations, GPP Grant

Sarah Evans, Marketing/Sales, SPED Update

Amy Voss-Foster, Education Specialist, GPP Grant

Rachel Nichols,
Marketing/Sales, Membership, Certification

Industry Training Calendar				
Dates and Times	**Day(s)**	**Location**	**Cost**	**Membership**
AVEVA Webinars: 12 informative webinars available anytime.		Online	FREE	www.avevawebinars.com
FIATECH Tech Tuesday Webinar Series http://fiatech.org/tech-connections/techtuesday.html	T	Online	FREE	Register at info@fiatech.org
Total Cad Systems, Inc.: AutoCAD P&ID Fundamentals	M-TU	Online	FREE	Register at www.tcadsys.com/training.html
Total Cad Systems, Inc.: AutoCAD Intermediate		Online	FREE	Register at www.tcadsys.com/training.html
SPED PPD Piper BootCamp Online May 17th - July 16th		Online	$1,650	Register at www.spedweb.com
SPED PPD Process Plant Layout Online May 17th - July 16th		Online	$1,650	Register at www.spedweb.com
SPED PPD Review and Test for Level III Certification for Corporate Members May 22, 2010 / 8 A.M. - 6 P.M.	Sat	SNC-Lavain 9009 West Loop S Suite 800 Houston, TX 77096	$300 Mbrs $400 Non-Mbrs	To register, email spedsrvs@spedweb.com, or call 832-286-7678.
Green Process Piper Program for unemployed Pipers who qualify. Begins June 7, 2010	M-F	Houston Community College Codwell and Pinemont Campuses	Funded through ARRA grant	For more information or to apply for participation, email gpp@spedweb.com, or call 713-718-8086.
SPED PPD Review and Test for Level III Certification June 19, 2010 / 9:00 - 18:00	Sat	Premier Inn and Borehamwood, London	£275* £300	*Early registration price. For more info and to register, go to www.20cc.co.uk/sped-training-day/ or http://spedeurope.pipingdesigners.com

Did you miss a Free Webinar? Most vendors have their webinars listed in an online library for viewing; go to the webinar hosting site and search in their online library for a chance to see what you missed. SPED will still give a PDU credit for viewing it from the vendor's library. Vendors with online webinar libraries are: AVEVA, COADE, and PT&P.