

Chapter Monthly Meeting

Date

Tuesday, March 10, 2015

Location

Concurrent Technologies
100 CTC Drive
Johnstown, PA 15904

Cost

\$25.00 per person

Time

5:30 – 6:00 pm

Social Time

6:00 – 6:30 pm

Dinner

6:30 pm

Tour of Building Area with
Graywater Recycling Unit

Upcoming Events

3/10/15 ASPE / ASHRAE

4/15/15 Johnstown Chapter Meeting

5/20 /15 Johnstown Chapter Meeting

Chapter Notes of Interest

- The Johnstown Chapter meeting is scheduled for March 10, 2015.
- The Johnstown Chapter Newsletter has space available for your advertisement. Refer to the advertisement form enclosed for further details.
- ASPE action wear and giftware items are available. There are a variety of shirts, hats, ties, pins, and golf balls to name a few available items. Color brochures are available. The chapter will plan to place an order for members – if interested see a chapter officer.

Future Meetings

- March 10, 2015
- April 15, 2015
- May 20, 2015

Chapter Officers

President

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Affiliate Liaison

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Email ed@quantumflo.com

Fellow ASHRAE and ASPE Professionals,

Please consider joining us for our March Chapter meeting. This month's meeting will be held Tuesday March 10 at CTC in Richland for a tour of their Graywater Recycling Facility. The meeting will begin at 5:30 with Social Hour. Dinner will begin at 6:00 with presentation and tour following dinner.

Dinner will be Sandwiches, salad and dessert catered by Press Bistro with a cost of \$25/person

Please RSVP to me by 5:00 on Friday March 6th. Along with your RSVP please return a signed copy of the attached form for clearance to enter CTC's facility.

You can find details on the speakers and the facility below:

Mr. Michel (Mike) McCluskey is a Senior Design Engineer in the Advanced Concepts Department at Concurrent Technologies Corporation (CTC). Over the course of the past four years, he has led multiple efforts in the development of water purification and reuse technologies. Currently, he is leading the development of the Expeditionary Waste Water Processing System (EW2PS) in support of the United States Air Force as well as the CTC internally developed Small Unit Water Purification System (SUWPS).

Mr. Paul Brezovec, of Concurrent Technologies Corporation (CTC), is a licensed chemical engineer with thirty years of experience in industrial chemical process design, development and production. He has engineered systems and managed projects for industrial processes including coatings, water treatment and industrial chemical process recycle, recovery, and treatment. He is supporting the development of the Expeditionary Waste Water Processing System (EW2PS) as well as other CTC developed and funded water purification systems.

Description

The Expeditionary Waste Water Processing System (EW2PS) unit designed to efficiently recycle graywater. The EW2PS will recover 90%+ of the water from the shower and laundry each day on the BEAR base. In addition to recycling the water, the EW2PS was developed with energy efficiency and low maintenance as a key metrics.

The EW2PS is designed as a three-stage filtration:

- In the first filtration stage, mechanical filtration is performed utilizing stacked disc filters. The stacked disc filters are essentially maintenance free, in that the filters are automatically backwashed once a pressure differential across the filter is reached.
- In the second filtration stage, ultrafiltration is performed to polish the water to sufficient quality for reuse in the laundry wash cycle and to be further purified by reverse osmosis.
- The third and final filtration stage is reverse osmosis (RO). With energy efficiency being a key aspect of the system, the RO system is set up for a high recovery rate and low energy input.

Post processing, the EW2PS measures water characteristics and doses chlorine into the processed water as the disinfection technique. The EW2PS is packaged into a 20 foot ISO container for shipment anywhere the BEAR base would be deployed to in the world.

Thank you,
Luke Shumaker

DATE_____

TO: Concurrent Technologies Corporation (CTC)
100 CTC Drive
Johnstown PA 15904

SUBJECT: United States Citizenship or Permanent Resident Status Verification

I certify that I am a ☐ CITIZEN ☐ PERMANENT RESIDENT of the United States of America. I am aware that special licenses must be obtained from the US State Department and/or the US Department of Commerce for foreign nationals and foreign owned companies to obtain information or have access to certain research programs, technologies, and capabilities.

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(Company Name)

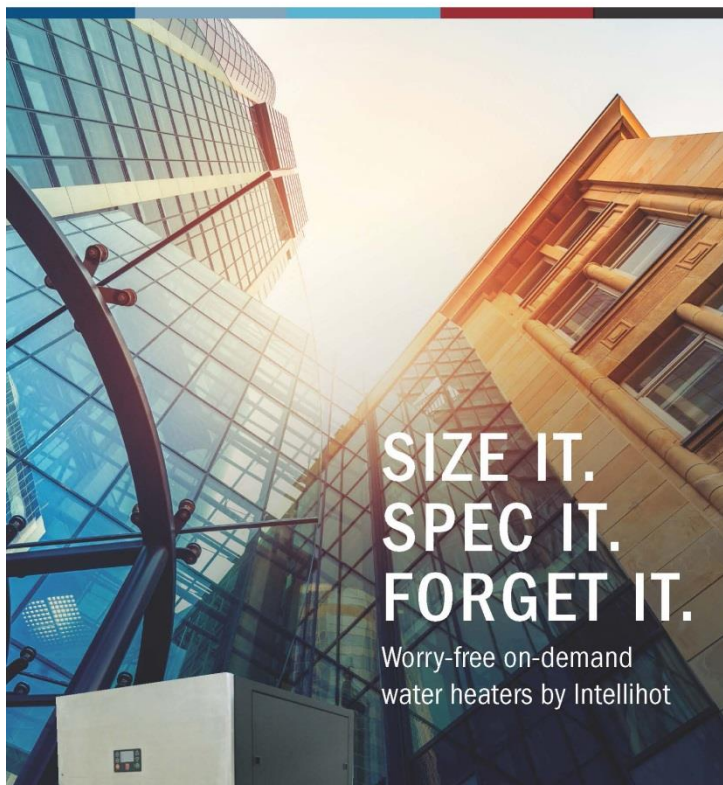
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CTC Sponsor:_____ Phone:_____

PURPOSE: The sole purpose of this memorandum is to attest to citizenship/permanent resident status prior to gaining access to Concurrent Technologies Corporation facilities or discussing technologies, programs, or capabilities protected under International Trafficking in Arms Regulations (ITAR).

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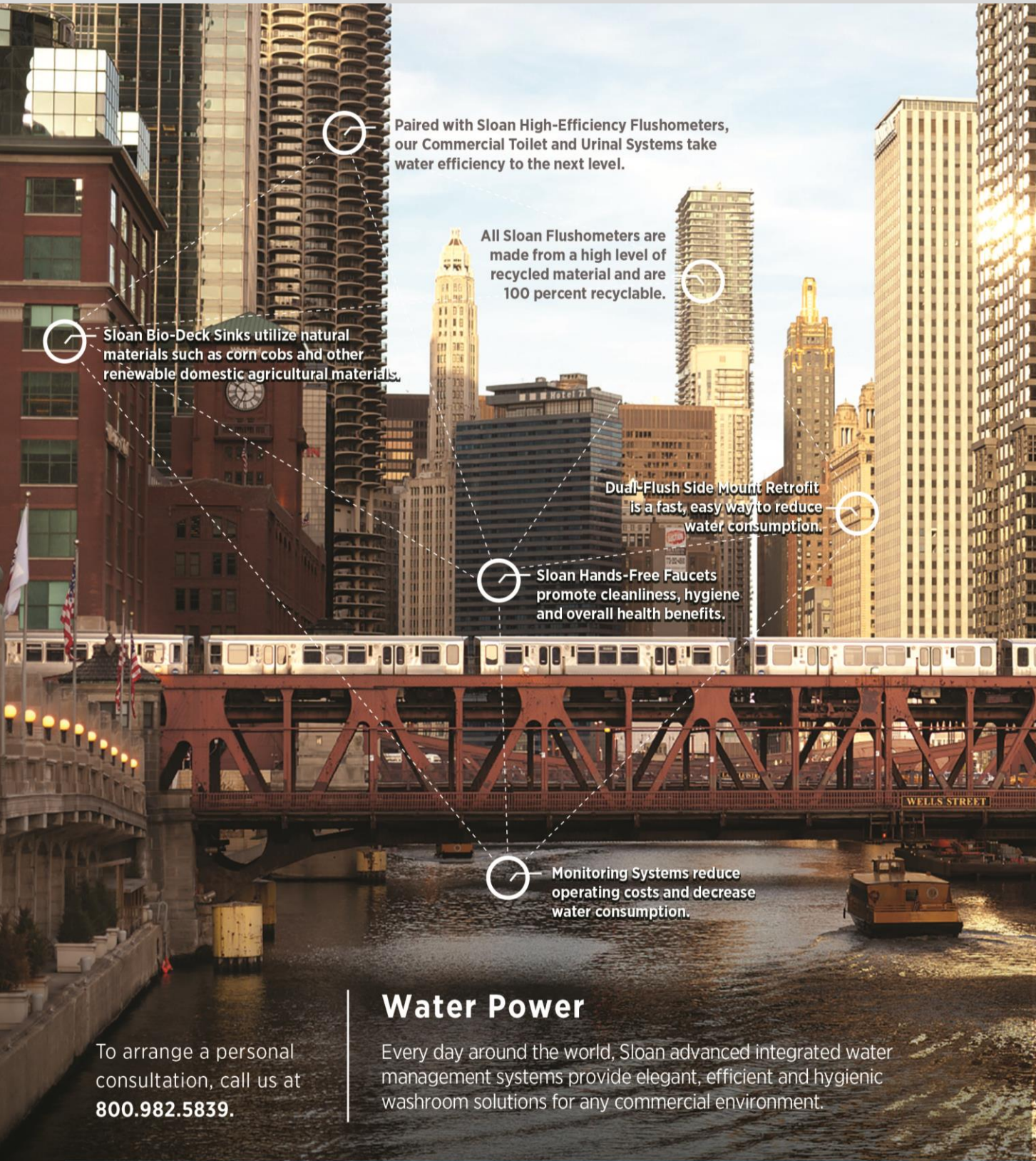
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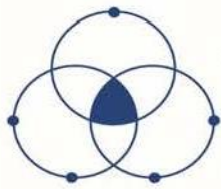
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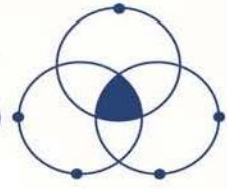


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Chapter President's Report

By: Michael G. Spinelli, CPD

This month we will have our combined meeting with the host Johnstown ASHRAE chapter. The meeting date will be at 5:30 PM on March 10, 2015 at the Concurrent Technologies Corporation (CTC) facility in Richland.

The meeting will involve a tour of the facility to observe a recycling graywater system that will recover 90% of shower and laundry water. The name of the system designed by the presenters from CTC is The Expeditionary Waste Water Processing System (EW2PS).

Visitors to the facility will be required to fill out a Citizens Verification Statement. A copy is attached to the newsletter.

The folks at Penstan Supply are sponsoring another "Night With The Tomahawks" event at the Cambria County War Memorial on March 7, 2015. Vendors will have the opportunity for a tabletop display and literature presentation. The ASPE Johnstown Chapter will be setting up a table and providing information about ASPE.

We thank Randy Stanger, Representative for Quantum Flo, for giving the presentation on "Domestic Water VFD Booster Systems" at last month's meeting. The presentation was very informative.

Hope to see you all at the next Meeting. Your support and participation is always appreciated!

Thanks,
Mike

VP Technical Report

By: David J. Ciner, CPD

Thank you to all who attended last month's meeting at Rizzo's. The presentation by Randy Stanger was educational as he presented the basics and new technologies for selecting domestic water booster systems.

This month we will be sharing our meeting with the Johnstown chapter of ASHRAE. The meeting will be at CTC in Richland for a tour of their Graywater Management Facility. Complete information and details is included within this month's Newsletter.

This will be a very interesting topic so please consider joining our ASHRAE professionals.

If you have an idea or are interested in presenting, please contact the chapter as soon as possible. Only one date remains open for spring 2015. All dates are open for the fall 2015 Season. We always look forward to your presentations about new technologies and products in the plumbing industry, as well as code-related updates.

Our chapter thrives on your input and assistance. Please contact me or any chapter officer if you have a question, concern, or comment on any technical presentations or chapter business.

Following is a list of upcoming 2015 technical presentation dates for your information.

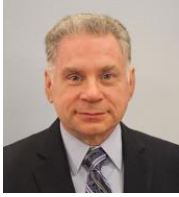
March 10th: Combined ASHRAE meeting at CTC

April 15th: "Pipe Replacement Best Practices: Planning and managing a large-scale occupied repipe"

May 20th: Open

Thank you

Dave



Region 2 Affiliate Liaison Report

By: Dann Holmes

By the time you read this article, maybe, just maybe outdoor temperatures will begin to approach their seasonal average. I have my doubts. This year, it's been one deep-freeze after another. I'm thinking Region 2 will set an all-time lowest average temperature for the month of February. Doesn't that just make you want to look square into Punxsutawney Phil's eyes? ☺☺

As we SPRING forward, we'll feel the warmth of the sun, witness the snow melting, the ground thawing, see trees budding and flowers bloom, and hear the wonderful sounds of chirping birds. Ah springtime! :)

As our SAD (Seasonal Affective Disorder) spirits are lifted we'll break out the golf clubs (the way I golf, I'm better off to just break them!). ASPE Chapters across Region 2 will be ramping up their trade show, golf outing and special event activities.

On February 28th & March 21st, the Pittsburgh Chapter will host their "Counseling the Boy Scouts of America Plumbing Merit Badge" at the Carnegie Mellon University in Pittsburgh.

On March 10th the Eastern MI Chapter will hold their annual NASPE Car Races at the PITC in Troy. March 11th is World Plumbing Day. On this day the Greater Toronto ASPE Chapter will hold their next meeting. This is a big deal as they are very close to becoming a full chapter!

Also on March 11th the Northern Ohio Chapter will be touring the Great Lakes Brewery. The Buffalo-Niagara Chapter is hosting their annual Trade Show March 25 at The Grapevine Banquets in Depew, NY.

Western MI has two upcoming events, a tour of the recently updated Bell's Brewery in Galesburg on April 8th. On May 19th they will hold their annual golf at the Quail Ridge GC in Ada.

Southwest Ohio will celebrate their annual ASPE Night with the Dayton Dragons on May 29th. You can join the Central Ohio Chapter on June 16th for their annual golf outing.

In addition to their Boy Scout Plumbing Merit Badge events, the Pittsburgh Chapter will be hosting their annual golf outing at the River Forest GC in Freeport on June 19th. The Rochester Chapter is also planning a June golf outing but has not yet finalized their plans.

The Evansville Satellite Chapter will host their 3rd annual golf outing at the Cambridge GC on June 25th. Following this, Central Indiana will hold their annual golf outing at the Ironwood GC NE of Indy on August 7th.

As you see, there is a lot of activity throughout Region 2. So wash the salt off your cars, enjoy the longer days of sunshine and drive to your local ASPE chapter meeting. Engage. Contribute. Educate and Learn.

Please take time out to participate in the festivities; often these events are the main fundraisers for our chapters. For those attending the Brewery tours, find a designated driver you can count on.

If I could find the time and travel to each of the golf events listed here I'd get some real practice in this year. Maybe my clubs would like me more, and vice-versa!

As always, please feel free to contact me at:
Dann Holmes – ASPE Region 2 Affiliate Liaison
NSF International – Business Development Manager
dholfmes@nsf.org or (734) 214-6222

Johnstown Chapter American Society of Plumbing Engineers Newsletter Advertisement Form

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ASPE News

