

AICHE DVS Good Morning Thursday, September 23, 2010 Tastykake Plant Tour

The AICHE Delaware Valley Section invites you to a FREE tour of the largest “green bakery” in the country - the new Tastykake facility. Tasty Baking's claim to “greenness” is based on several factors, including energy-efficient heating and cooling, water conservation, the use of recycled building materials, “daylight harvesting”, and other environment-friendly measures. Come take a look at Philly’s one-of-a-kind facility – with free samples of your favorite Tastykake products included!

Tastykake is working towards a sustainable Future with their new bakery in the Philadelphia Naval Yard.

First, we took an abandoned industrial site and re-used the buildings as foundation material for our new bakery, which avoided clearing a forest and reduced construction waste.

Second, we built the bakery with several features in order to target LEED-Silver certification.

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For nearly 100 years Tastykake has been delivering products to local stores and with this new bakery we are working towards a sustainable future.

Date: Thursday, September 23, 2010

Time: 8:00 AM (Tour)
9:30 AM (Networking Breakfast)

Cost: \$20.00 per member
\$25.00 per nonmember/guest
\$10.00 per student or those between jobs

Location: Tour
Tasty Baking Company
Navy Yard Corporate Center
3 Crescent Drive, Suite 300
Philadelphia, PA 19112

Networking Breakfast
Holiday Inn Stadium
900 Packer Avenue
Philadelphia, PA 19148

Please confirm your attendance no later than **Monday September 20, 2010.**

Find additional information and register at “Events” link on www.aiche-philadelphia.org

Chairman’s Chat

Delivering Value to Our Members

By Sue Schultz

The AICHE DVS board is hard at work and the 2010-2011 calendar of events is under development. We have a few items to share with you already. The year will kick off with an opportunity to tour the brand new Tastykake manufacturing facility near the Naval Shipyard. For all of you Philly natives, and Philly transplants, Tastykakes are known around the world as a little taste of Philly in a cellophane wrapper. Tastykakes are available not just locally, but shipped around the world. The new manufacturing facility is the largest “green bakery” in the country. The facility has been designed with all the latest enviro-friendly features, including the use of recycled building materials, energy-efficient heating and cooling, water conservation and “daylight harvesting” (come to the tour and you’ll find out what this is). Our tour will begin at 8 AM and should last about 30 minutes. The early morning start is to ensure we can see the plant in operation. Samples may be available at the end of the tour. If you haven’t got your fill of Tastykake products, an optional brunch/networking event at the Holiday Inn Stadium will be available. As spaces are limited to 50 participants, please make sure to sign up early. Look for those details and a Constant Contact reminder to be coming out soon.

This will be followed by the ever-popular Oktoberfest at Victory Brewing. This year’s event will be held on October 21. This event will be co-sponsored between the Delaware Valley and the Wilmington Sections of AICHE. This event continues to grow

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Speed to Market or Speed Kills

By Eric Sipe - CDI Life Sciences - Project Engineer/Project Manager

What is it costing you to buy that engineered skid? In the pharmaceutical industry most equipment is purchased as an engineered system that can be set-up and run at the factory, but is it economical for this approach to be used in all instances? For certain “standard” process systems the answer is a definite yes. These systems are routinely manufactured by vendors (usually with small differences) for typical uses in the pharmabio industry. Some examples of this type of system are autoclaves, clean steam generators, WFI stills, CIP skids, fermentors, centrifuges and there are many more. Much upfront engineering has already been completed for these process systems and there are typically many of these units in the field that have proven the success of the vendor’s preexisting engineering and design efforts. But what if you are looking for a process system that is a little more custom? Who should do the engineering? Should it be done by the end user, an engineering firm, the fabricator who is going to construct the new process system or should it be a combination of these three parties?

First let me say as a former employee of the owner and currently the owner’s agent on various project that it is essential that the owner/end user be involved in the design of any system going into their plant. The owner/end user may not have the man power to perform all of the necessary tasks or fill in all of the tiny details but they need to be significantly involved in the design and execution of the project. In the end the process system is going to be theirs to operate and maintain. The manufacturer won’t be there on third shift when something goes wrong and neither will the engineering company. But does this mean that every thing should be designed and built by in house staff? The answer to this question is an emphatic no unless you have a bloated staff of engineers, designers, welders, instrument technicians, electricians, etc. Even then you may not have some of the expertise you are going to need. Therefore you are most likely going to have to spend some additional money for outside services. But how much should you pay and who should you invest this money with? Can you go straight to the vendor with a concept level design and still get a good process system or do you need to hire an engineering company to create volumes of drawings and specifications so that you get the right system? And if you do go to the engineering company for the volumes of documents and their expertise that comes along with it, will you get exactly what you want at the best cost?

Each party on a project has their own agenda and it always involves money. The owner wants to get the right project for the least amount of money. The engineering company wants to perform their work as contracted while at the same time making a reasonable profit. The vendor also wants to supply the contracted equipment while making a reasonable profit. But there is another player in this game. That player is liability. Each party wants to manage their liability regarding the final outcome of the project. The owner is going to want to do enough engineering in order to put the Engineering Company and the equipment vendor on the right path and keep them there. The Engineering Company for their part will need to do enough engineering in order to protect themselves from a failed design and a potential lawsuit. The vendor will also need to do a great deal of engineering in order to understand what the Owner and Engineering Company are asking for as well as to insure that they will provide a working unit that they can guarantee. As you can see, for one piece of equipment you could have three complete engineering efforts if each party performs a full design effort. This duplication (in this case tripling) of effort will make your project very costly. The question is “Do you need this much engineering effort in order to get the right packaged system?” The answer is no if the owner or owner’s agent alone can and will take full responsibility for the ultimate design. In this way, the vendor can become a fabricator or assembler who puts the pieces together rather than another engineer on the job. On another project it may make sense for your company to contract directly with an original equipment manufacturer or equipment fabricator that has their own engineering staff to get the process system you need at a reasonable cost.

Volunteer Opportunities

Have you considered becoming a little more involved in the Section? It’s a good chance to meet new people, share your talents, and pick up some fun experiences. There are Officer opening on page 5 and here are a few easy ways to contribute:
Co-Chair an event: Pair up with an experienced member to plan an upcoming membership meeting. It’s a low pressure way to build project management and networking skills outside of work ...and it can be fun and rewarding.

Help organize a Young Engineer’s activity: Similar to the co-chair opportunity above, but specifically geared toward organizing an event (social, happy hour in the city, etc.) targeted for young engineers

Do you Twitter? Are you on Facebook? Think the DVS can benefit from social networking tools? If so, we could really use your help. Why not help us navigate the technology and show us how to effectively use it?

Co-Liaison to the Engineers Club of Philadelphia: Learn from our seasoned pro, Bill Celenza, as you begin to share the responsibility of representing our section and keeping us informed of Engineers’ Club activities, particularly Engineering Week events.

If you want to get more involved, or if you’re interested in any of these opportunities, please contact Karl Saydlowski at dvs.karl@gmail.com or 484-341-1034.

CHEMICAL CONSULTANTS NETWORK**TUESDAY, SEPTEMBER 14, 2010**Visit the CCN web page at www.chemconsultants.orgSeptember 14, at the Cynwyd Club, Bala Cynwyd, PA
Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM

Topic: **Current Views on the Global Economic Condition
& General Market Overview**

Speaker: **Joe Battipaglia, Stifel Nicolaus**

Joe Battipaglia is market strategist for the private client group at Stifel Nicolaus and the Chief Investment Officer of Washington Crossing Advisors. He graduated Phi Beta Kappa from Boston College and earned his M.B.A. at the Wharton School, University of Pennsylvania.

The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. 610-667-4524, ext. 2.

Reservation: To make or cancel a dinner reservation, e-mail CCNReservations@aol.com or call the ACS office at 215-382-1589 (leave message if necessary). Fee, including food and beverages (wine, beer & sodas), is \$25 if reserved \$35 afterwards. Payment is due at the door.

FUTURE MEETINGS:

October 13	Creativity	Mike Bigwood
November 11	Joint meeting with with CHF at 10 am	Ryan Dirx, VP of R&D, Arkema
December 8	Presenting yourself as a consultant	Carol Wenom, Whitaker Technical Services

Delaware Valley Section of AIChE - Brian Snyder, Board Member

As a member, you may be sitting at home or at work wondering what good your professional organization is doing with your dues money lately. Well during our monthly planning meetings, we have been organizing various events for our local chemical engineering community. These events include resume writing and interviewing workshops for graduating college students, and for students as well as colleagues in and between work places we are coordinating local plant tours and social events allowing people to learn a few extra things while networking. Your AIChE chapter is also keeping up with the times by expanding with new Facebook and Twitter accounts to allow members and wannabe members to follow along and shape future events by providing helpful comments.

Tastykake

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LEED stands for Leadership in Energy and Environmental Design and acts as a report card for the environmental friendliness of a building.

The features that are included under LEED standards are:

- ✦ A white, reflective roof, which minimizes heat-absorbing surfaces that contribute to global warming.
- ✦ No-mow, drought resistance grass that uses less water.
- ✦ All wood doors and half of the wood used in the building come from certified sustainable sources that work to conserve trees.
- ✦ Paints and carpeting with low chemical content that reduce ear, nose and throat irritation.
- ✦ Refrigeration equipment using environmentally friendly refrigerants to minimize emissions that contribute to global warming.
- ✦ Covered parking lot lights that reduce light pollution; bike racks and access to public transportation that reduce vehicle usage and pollution.
- ✦ Solar panels on the roof that provide power to several of the building's systems.

Joseph Priestley Society

All members and guests of AIChE are invited to the monthly JPS meetings.

These are held at the Chemical Heritage Foundation at 315 Chestnut Street, Philadelphia, PA.

Advance registration is required at chemheritage.org/JPS.

Cost is \$25 and includes reception, lunch and lecture.

Next meeting is 9 /16/2010 and features Magid Abou-Gharbia, Director, Moulder Center for Drug Discovery Research.

October 14, 2010: John Baldwin, Cofounder, Vitae Pharmaceuticals.

November 11, 2010: Ryan Dirx, VP, R&D, Arkema

Chair's Chat

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year on year and this is an awesome opportunity to network with folks in other sections, as well as meet up with old friends from years past. Every year, the tour guides change it up and make the tour fresh and entertaining. Food will be included. Just a gentle reminder that you must be 21 to drink beer.

Looking further ahead to our signature event, the CEO Lecture promises to be yet another exciting event and an evening well-spent. We are pleased to present Terri Kelly, President and CEO of WLGore and Associates. The event will be held on February 8th at the ever popular Union League. Mark your calendars now for this event. Details to follow.

The CEO Lecture is a great way to kick off the Engineer's Week celebrations held every year in Philadelphia. This year, the event is scheduled February 12th through the 20th and the DVS Section will be involved in the events. Details to follow.

And finally, details are being finalized for the Student Awards banquet to be held in April. Additional events are being scheduled and details will be provided. Check your inbox for Constant Contact reminders and check the website for up-to-date information.

We have an awesome board this year and we are all looking forward to providing the sort of programming and networking events that many can enjoy. If you have any ideas for future events or, better yet, want to become a board member, please contact any of the current board members for info. Names and contact info can be found on the www.aiche-philadelphia.org website.

Looking forward to a successful year!
Sue

Get a refund! Register early!

Did you know that you can get a refund for an event you have to cancel? Per DVS policy, when you cancel your registration BEFORE the registration deadline, we will refund your full registration fee, without penalty. When you pay with Paypal, we simply reverse the charge. The full amount is immediately credited to the credit card or bank account you initially used to register. So, why not register early for an event? Not only does it get on your calendar, but it holds a spot for you... important when there's a registration limit. Don't miss out on a great event... register early!

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2010 – 2011 AIChE- DVS Event Schedule

September/October:
Resume and interviewing workshops

October 21:
Oktoberfest, tba

February 8, 2011:
CEO Dinner with Terri Kelly, President, CEO of WL Gore and Associates.

April:
Student awards

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