Texas Industrial Water Management Forum

“Maintaining Integrity and Controlling Composition of Industrial Water Systems for Improved Performance, Reliability and Value”

Thursday, November 2, 2017
The Bougainvilleas
12126 Westheimer
Houston, Texas 77077
4 to 6 pm

To register, go to https://texasiof.ceer.utexas.edu/forms/TIOFevent_registration.cfm

3:30 - 4:00 pm  Forum Registration and Visit with Exhibitors

4:00 - 6:00 pm  Industrial Water Management Forum
See program below.

6:00 - 7:00 pm  Networking and Exhibition
(sponsored by AIChE-STS – information below)

7:00 - 9:00 pm  Optional AIChE-STS Dinner and Speaker
(non-members are welcome – information below)

Program
Water management will always be an important issue whether it is identifying cost effective process cooling technologies, reducing waste water, addressing issues with cooling water distribution networks, or mitigating the risk for the lack of availability of fresh water. Whether it is for compliance or cost reduction, one must constantly be familiar with the range of and advancements in technologies.

Attend this water management forum and learn from the experts in how to diagnose and pinpoint issues in degraded cooling water distribution systems, a novel approach for monitoring boiler feed water can minimize total operating cost, and a high performance innovative separation technology can increase the value of process and waste-water streams.
Panelists will provide a 15 - 20 minute presentation related to the forum topic followed by a panel discussion and Q&A session with the audience.

**Forum Moderator**
Pramod Bengani, Ascend Performance Materials  
Member, Texas IOF Chemicals and Refining Advisory Committee

**Panelists**

**Intelligently Addressing Issues in Cooling Water Distribution Networks**
*Clayton Harris, Engineering Manager, EPI Engineering*
Discussion of an approach used to diagnose and pin-point issues in a degraded cooling water distribution system for large industrial systems. Discussion will include field data collection and testing strategy, hydraulic modeling, improvement evaluations, as well as other observations and findings.

**Boiler Feed Water Corrosion Monitoring Using At Temperature ORP Measurements**
*David G. Puchan, Downstream Global Industrial Technical Consultant, ECOLAB*
Steam system owners strive to minimize their Total Cost of Operation (TCO) by implementing various solutions to optimize boiler cycles of operation, thus reducing Energy and Make-Up Water Costs. Real-Time understanding of the boiler feed water’s corrosivity through the use of Oxidation-Reduction Potential can aid to optimize system reliability and efficiency, improve safety conditions and manage through mechanical upset conditions.

**Treating Produced Water While Increasing Value and Reducing Water Outfall**
*Jimmy Vaeth, Texas Regional Account Manager, Pentair*
Various waste-water streams at refineries and chemical plants must be treated prior to discharge. These liquid streams can now be treated using two-stage, high performance particle separation with advanced coalescing technology to remove free and emulsified hydrocarbons as well as suspended solids. Suspended solids as small as 0.5 microns are removed with a 99.98% efficiency in the first stage and free and emulsified hydrocarbons are reduced to less than 5 parts per million in the second stage resulting in operational, environmental, and economic benefits.

**Question & Answer Session**

**Logistics and Registration**
There is no cost for attending the Texas IOF Industrial Water Management Forum; however, pre-registration is requested so that we can provide adequate facilities. Registration is open at [https://texasiof.ceer.utexas.edu/forms/TIOFevent_registration.cfm](https://texasiof.ceer.utexas.edu/forms/TIOFevent_registration.cfm).


**Exhibitors**
If you are interested in exhibiting at the event, please contact Kelly Richardson with STS-AIChE at [kelly_s_richardson@hotmail.com](mailto:kelly_s_richardson@hotmail.com) or 832.954.6055.

**Networking and Exhibition, 6 – 7 pm**
A number of companies who bring value to energy management in the process industries will have tabletop exhibits set up as a focal point for the networking session. A cash bar will also be available.

**AIChE-STS Dinner Meeting with Speaker, 7 pm**
Following the Networking event, you are invited to attend the AIChE-STS dinner meeting at The Bougainvilleas. You must register and pay for the dinner separately at [http://sts.aiche.org/](http://sts.aiche.org/).