

Hydrocarbon Processing's

1st International Conference and Exhibition on

**PRACTICAL
INDUSTRIAL
WATER**

**TREATMENT TECHNOLOGY
For the New Millenium**

January 25-28, 1999 • Marriott Westside Hotel • Houston, Texas

PRESENTED BY

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Practical Industrial Water Treatment for the New Millenium
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CONFERENCE PROGRAM

Monday and Tuesday, January 25-26, 1999

Preconference Workshops

Trouble Shooting Water Treatment Plants

By William E. Bornak, Aqueous Solutions, Inc., Richboro, Pennsylvania

Mr. Bornak has tailored this workshop for engineers and operations personnel who want to know more about pre-treatment and reverse osmosis ion exchange systems.

Water Cooling Tower

By Jim Willa, Willa, Inc., St. Louis, Missouri

Participants will walk away with water cooling tower know-how from what a cooling tower is to nomenclature, desing considerations, material requirements, styles, specification writing and ratings.

Tuesday, January 26, 1999

Preconference Workshop

Chemical Cleaning of Boilers & Balance of Plant Systems "The Correct Way"

By George H. Bodman, George H. Bodman, Inc., Kingwood, Texas

Mr. Bodman will cover the steps required to implement and verify a successful equipment cleaning program, from program selection and lay-up procedures to hydrostatic testing. Boiler and cooling systems will be covered.

5:00-6:30pm Welcoming Reception for Speakers, Delegates, and Exhibitors

Wednesday, January 27, 1999

SESSION ONE: WATER AND WASTE SYSTEMS

8:00-8:40am [1] A Difficult RO Iron Pretreatment Program
By William E. Bornak, Aqueous Solutions, Inc., Richboro, PA

8:50-9:30am [2] The Application of the Electrodeionization Process for High Purity
Water in Process Plants
By Phil Kiser and Li Zhang, Ionics, Inc., Portland, TX

9:30-10:00am Refreshment Break

- 10:00-10:40am [3] Multrex Ion-Exchange System Produces Ultrapure Water Without Mixed-Bed
By Nicolai Arion, Arionex Water Treatment, Reinach, Basel, Switzerland
- 10:500-11:30am [4] A Unique Mechanical Vapour Recompression/Distillation Process for Purifying Water
By R.F. Becker and Steve Kresnyak, Colt Engineering Corp., Calgary, Alberta, Canada
- 11:40-12:20pm [5] Activated Sludge Process Design and Control Techniques Can Improve Performance and Reduce Costs
By Ronald G. Schuyler, Rothberg, Tamburini & Winsor, Inc., Denver, CO
- 12:30-1:30pm Luncheon for Speakers
- 1:30-2:10pm [6] An Advancement in Low Level Hydrocarbon Removal from Water Streams
By Lawrence E. Hornby, Nalco Chemical Co., Naperville, IL and Lynne M. Esperance, AbTech Industries, Scottsdale, AR
- 2:20-3:00pm [7] Outsource or Capital - Financing a Water Treatment Project
By Richard Istre and W.R. Temple,, Ecolochem, Inc., Norfolk, VA

3:00-3:30pm Refreshment Break

SESSION TWO: STEAM GENERATING SYSTEMS

- 3:30-4:10pm [8] Advancements in Water/Steam Treatment Methods and Monitoring for the Steam Generation Industry
By Brad Buecker, UCB Films, Techumseh, KS
- 4:20-5:00pm [9] Managing Reboiler Steam-Side Operation Improves Equipment Reliability and Steam Quality
By Loraine A. Huchler, MarTech Systems, Inc., Lawrenceville, NJ

Thursday, January 28, 1999

SESSION THREE: COOLING SYSTEM OPERATIONS

- 8:00-8:40am [10] Cooling Tower Film Fill Fouling: Causes, Cleanup Techniques and Operating Guidelines
By D.J. Robinette and T.J. Tvedt, Jr., Puckorius & Associates, Inc., Evergreen, CO

8:50-9:30am [11] Cooling Water Treatment Program Simulation: A Useful Tool for the Hydrocarbon Process Industry
By Peter A. Brown and Michael D. Watson, Calgon Corp., Pittsburgh, PA

9:30-10:00am Refreshment Break

10:00-10:40am [12] High Efficiency Sidestream Filtration Improves Cooling System Operational Efficiency
By Bryan Hayward and Eddie Perdomo, Chemworks Filtration, Newton, MA

10:50-11:30am [13] A New Halogen Resistant Azole (HRA) for Copper Corrosion Inhibition
By K.M. Given, R.C. May, and C.C. Pierce, BetzDearborn, Inc., Trevose, PA

11:40-12:20pm [14] Plants Increase Production through Use of Chlorine Dioxide
By Jennifer Miller, Mark Gerner, Will S. Pickrell, and Greg Simpson, Vulcan Technologies, West Sacramento, CA

12:30-1:30pm Luncheon for Speakers and Delegates

SESSION FOUR: ENVIRONMENTAL

1:30-2:10pm [15] Filter Press/Dryer Technology Expands Sludge Dewatering Options
By Jay Kemp, Earth Tech, Inc., Madison, WI, Dennis Bentley, U.S. Filter-JWI, Inc., Holland, MI

2:20-3:00pm [16] Sulfide Reduction in Refinery Wastewater Using Hydrogen Peroxide
By G. Ashok, Madras Refineries Ltd., Chennai, India, V. Ramesh, SNC-Lavalin Inc., Calgary, Canada, S. Senthil Raj, Chennai, India

3:00-3:30pm Refreshment Breaks

SESSION FIVE: EQUIPMENT AND INSTRUCTION

3:30-4:10pm [17] Modern Control of Oxidizer Treatment Improved Through Mirror Technology
By Mike Walker, Chemical Control Systems, Inc., The Woodlands, TX

4:20-5:00pm [18] A Novel and Accurate Flow Metering Technique for Open and Full Pipe Flows in Plant Effluent Pipes
By M. Natarajan and G. Albrecht, Renaissance Instruments, Inc.

END OF CONFERENCE