



## 2010 Symposium

### Agenda for the 16th Annual Aquatic Animal Life Support Operators Symposium, Galveston, TX

#### Sunday, May 2

12:00 - 4:00 pm Vendor Registration.

2:00 - 5:00 pm Pool Tournament.

4:00 - 7:00 pm Operator & Guest Registration.

6:00 - 10:00 pm Ice Breaker / Vendor Interaction. Hosted by the AALSO Officers & Board of Directors.

#### Monday, May 3

7:30 - 8:30 am Registration / Breakfast.

8:30 - 9:00 am Welcome & 2010 Host Facility Spotlight - Greg Whittaker, Moody Gardens.

9:00 - 10:00 am Vendor Introductions - Jack Felts, Harrington Industrial Plastics, LLC / Plastomatic Valves, Inc. & Vendors.

10:00 - 10:30 am Break / Vendor Interaction.

10:30 - 11:00 am Hurricane Planning in Retrospect - Lessons Learned - Greg Whittaker, Moody Gardens.

11:00 - 11:30 am Emergency Scheme and Hurricane Preparation for the Audubon Aquarium of the Americas - James Arnold & Rich Toth, Audubon Aquarium of the Americas.

11:30 am - 12:00 Electric Safety in an Emergency Situation - David Snyder, CenterPoint Energy.

12:00 - 1:00 pm Lunch / Vendor Interaction.

1:00 - 2:00 pm Financial Resources for Disaster Recovery - Amy LeGaux & Larry Rivarde, Audubon Nature Institute.

2:00 - 2:30 pm Ozone System Preparedness - Bringing the System Back On-Line - Joe Sollowin, Landry's Restaurants Inc. & John Overby, Ozone Water Systems Inc.

2:00 - 2:30 pm Workshop -- Configuration of Flowline Level Measurement and Control Solutions – Al Montevalli, Flowline (advanced sign-up; concurrent with session above).

2:30 - 3:00 pm Water Quality Recovery Following Systems Failures – Speaker(s) TBA.

2:30 - 3:00 pm Workshop – ORP and pH Sensor Maintenance and Calibration - Dave Vollaire, GF Signet (advanced sign-up; concurrent with session above).

3:00 - 3:30 pm Break / Vendor Interaction.

3:30 - 4:00 pm Temperature Control in Aquatic Systems - Doug Russel, Aqualogic.

4:00 - 5:00 pm Disaster Recovery Panel Discussion - Greg Whittaker, Moody Gardens; Joel Madere & Rich Toth, Audubon Aquarium of the Americas; Amy LeGaux & Larry Rivarde, Audubon Nature Institute; Joe Sollowin, Landry's Restaurants Inc.; Brian Brawner, R&B Aquatic Distribution.

6:00 - 10:00 pm Reception and Tour at Moody Gardens.

#### Tuesday, May 4

7:30 - 8:30 am Breakfast.

8:30 - 9:00 am Landry's Downtown Aquarium Houston - Joe Sollowin, Landry's Restaurants Inc.

9:00 - 9:30 am Reinforced Concrete Corrosion and Prevention – A Crash Course - Byron Evetts, Existing Structures Engineering Inc.

9:00 - 9:30 am Workshop -- Oxygen Generator Maintenance - Joseph Hennessy, AirSep Corporation (advanced sign-up; concurrent with session above).

9:30 - 10:00 am Certification Preparation Levels 1, 2 & 3, "Math" - Richard Davis, Kent Semmen & Brooke Taylor, Walt Disney World.

10:00 - 10:30 am Break / Vendor Interaction.

10:30 - 11:00 am Zirconium Phosphate and Phosphonate Nanoparticles for Phosphate Removal from Water: An Aquarium Life Support System Application - A.M. Ross, M.N. Williams, D.R. Talham, & J.J. Keaffaber, Department of Chemistry, University of Florida.

11:00 - 11:30 am Passive Denitrification Research/Technology Using Biodegradable Biopolymer (PHA's) – James Ebeling, PhD, Aquaculture Systems Technologies, LLC.

11:30 am - 12:00 LSS Design Criteria - An Engineer's Perspective - Terri Johnson, TJP Engineering.

10:30 am - 12:00 Workshop -- PVC Solvent Cementing Pressurized Piping [ASME B31.3] - Newell Rollins, Harrington Industrial Plastics, LLC (advanced

sign-up required; concurrent with sessions above).

12:00 - 1:00 pm Lunch / Vendor Interaction.

1:00 - 1:30 pm Certification Preparation Levels 1, 2 & 3, "Chemistry" - Richard Davis, Kent Semmen & Brooke Taylor, Walt Disney World.

1:30 - 2:00 pm Proper Grounding of VFD and Motor Systems - Brian Macomber, TECO/Westinghouse.

1:30 - 2:00 pm Workshop -- Flooded Actuator Repair or Rebuild / Proper Valve Selection - Dave Hurley & Joe Poniatowski, Asahi/America (advanced sign-up; concurrent with session above).

2:00 - 2:30 pm Optimizing Venturi Ozone Injection Systems - Alison Trollier, Mazzei Injector Company, LLC.

2:00 - 2:30 pm Workshop -- Oxygen Generator Maintenance - Joseph Hennessy, AirSep Corporation (advanced sign-up; concurrent with session above).

2:30 - 3:00 pm Ultraviolet Disinfection Specification, Operation & Maintenance In a New Era - Dan Dycha, Emperor Aquatics.

2:30 - 3:00 pm Workshop -- ORP and pH Sensor Maintenance and Calibration - Dave Vollaie, GF Signet (advanced sign-up; concurrent with session above).

3:00 - 3:30 pm Break / Vendor Interaction.

4:30 - 5:30 pm Travel by bus to Landry's Downtown Aquarium Houston.

5:30 - 9:00 pm Landry's Downtown Aquarium Houston - Aquarium, Behind-the-Scenes tours.

9:00 - 10:00 pm Return bus trip to Moody Gardens.

### **Wednesday, May 5**

7:30 - 8:30 am Breakfast for Vendors (Exhibiting Vendors ONLY).

7:30 - 8:30 am Breakfast.

8:30 - 9:00 am 2011 Host Facility Spotlight- Richard Davis, Walt Disney World, Orlando, FL.

9:00 - 9:30 am Speaker TBA.

9:00 - 9:30 am Workshop -- Configuration of Flowline Level Measurement and Control Solutions -- Al Motevalli, Flowline (advanced sign-up; concurrent with session above).

9:30 - 10:00 am Two Oceans Aquarium and uShaka Marine World in South Africa--Mike DeMaine, Two Oceans Aquarium.

9:30 - 10:00 am Workshop -- Flooded Actuator Repair or Rebuild / Proper Valve Selection - Dave Hurley & Joe Poniatowski, Asahi/America (advanced sign-up; concurrent with session above).

10:00 - 10:30 am Break / Vendor Interaction.

10:30 - 11:00 am Tool for Sustainable and Cost Saving Design of Life Support Systems -- C. Emerson Olander, P.E., MWH Americas, Inc.

11:00 - 11:30 am Re-Birth of the Operations & Maintenance Manual - Joseph Arlotto, MWH Americas, Inc.

11:30 am - 12:00 Aquarium Science Program: A Means to Develop Aquatic Animal Life Support Operators? - Bruce Koike & Students, Oregon Coast Community College.

10:30 am - 12:00 Workshop -- PVC Solvent Cementing Pressurized Piping [ASME B31.3] - Newell Rollins, Harrington Industrial Plastics, LLC (advanced sign-up required; concurrent with sessions above).

12:00 - 1:00 pm Lunch / Vendor Interaction.

1:00 - 1:30 pm Business Meeting & Elections.

1:30 - 4:00 pm Certification Testing Levels 1, 2 & 3 - Richard Davis, Kent Semmen & Brooke Taylor, Walt Disney World.

6:30 - 10:00 pm AALSO Certification Banquet.



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