Northeast Aquaculture Conference and Exposition Providence, RI, January 11, 2017

Topics that will be covered during this 1-day workshop:

AN INTRODUCTION TO RECIRCULATING SYSTEMS
• Defining recirculating systems
• RAS compared to other production options
• Reasons to use recirculating technology

CRITICAL CONSIDERATIONS BEFORE DESIGNING RECIRCULATING SYSTEMS
• Impact of feed on growth, metabolism and water quality
• Critical water quality parameters
• Tank hydraulics
• Solids waste generation
• Dissolved nutrient generation
• Aeration and Oxygenation Technologies
• Disease control

COMPONENT OPTIONS FOR USE IN RECIRCULATING PRODUCTION SYSTEMS
• Solids removal
• Nutrient removal
• Dissolved gas addition and removal

DEVELOPING AN APPROPRIATE DESIGN FOR YOUR AQUACULTURE APPLICATION
• Examples from around the USA and Europe

THE MANAGEMENT OF RECIRCULATING SYSTEMS
• Monitoring and control
• Daily operations
• Emergency systems and procedures

WASTE MANAGEMENT ISSUES
• Waste Generation
• Waste Treatment Options
• Waste Disposal

For more information about educational courses offered by Pentair Aquatic Eco-Systems, please email PAES.General@Pentair.com.

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ABOUT THIS WORKSHOP
Aquaculture, as a business, seems to be able to capture the imagination of a wide variety of individuals worldwide. Recirculating aquaculture technology (systems that recondition and re-use water) is the latest sector in aquaculture to have attracted attention and considerable venture capital. This workshop is designed for a broad audience. We will seek to provide non-biased, research-based information to those that are interested in, or those using recirculating aquaculture fish production systems. The information presented comes either from the first-hand research results and experiences of the presenters or those of collaborators or colleagues around the world.

ABOUT THE PRESENTERS
Dr. Tom Losordo is the Principal Scientist and Chief Engineer for Pentair Aquatic Eco-Systems. Dr. Losordo has earned a Bachelor degree in Biology and a Masters degree and Ph.D. in Agricultural Engineering. Involved in aquaculture for over 40 years, Dr. Losordo has extensive experience in the research, development, design, and implementation of recirculating aquaculture systems worldwide. Formerly with the Department of Biological and Agricultural Engineering at North Carolina State University, Dr. Losordo headed the program of applied research and demonstration known as the North Carolina Fish Barn. Dr. Losordo also provided aquacultural engineering support to citizens of North Carolina and beyond through the North Carolina Cooperative Extension Service.

Mr. Dennis DeLong is Manager of Customer Advocacy with Pentair Aquatic Eco-Systems. Mr. DeLong has earned a Bachelor degree in Biology and a Master of Science degree in Management. He has been involved in both commercial aquaculture activities and research and development for 38 years. Prior to joining Pentair in 2011, Mr. DeLong managed the research and demonstration activities within the North Carolina State University Fish Barn program. He provided extension assistance in North Carolina for 20 years, including the design, construction, and operation of RAS facilities.