

Beach Trainings

October 28, 2015

9th Biennial State of
Lake Michigan/15th
Annual Great Lakes
Beach Association

Joint Conference

Fostering Basin-wide
Partnership and Synergy

Beach 101

Time: 8:00 – 9:00am

This is a “big picture” overview of monitoring beaches. Training includes developing a sampling plan, options for lab testing, communicating results to the public, why sanitary surveys are important and how they improve beaches, using Virtual Beach to forecast water quality, identifying sources of contamination, and initiating remediation projects.

Sanitary Surveys

Time: 9:00 – 10:00am

Are you frustrated reporting “unknown sources” as the reason for a beach closure? Beach managers will explain how to use a one page sanitary survey with routine monitoring data to identify sources of pollution. Sanitary surveys lead to corrective actions, successful remediation projects, and serve as stepping stones to build forecast models with Virtual Beach.

Quantitative Polymerase Chain Reaction (qPCR) Shop Talk

Time: 10:00am – noon

The qPCR shop talk will be an open discussion for qPCR users to discuss what methods work and don't work. All levels of experience are welcome to join and to share experiences, issues, and successes with qPCR. We can discuss topics from choosing a mastermix to workflow tips and tricks.

QPCR Data Crunching with U.S. EPA Training

Time: 2:00 – 4:00pm

Having issues with your standard curve or calculating results when running qPCR? Dr. Rich Haugland will provide training and guide you through the calculations. We will have an open discussion for all your questions, comments, and helpful tips. Please visit the web U.S. EPA Web page to see the calculation spreadsheet before the meeting:

<http://water.epa.gov/scitech/methods/cwa/bioindicators/index.cfm>

Cladophora/Harmful Algae Blooms - Meredith Nevers

Time: 2:00 – 5:00pm

Monitoring, data summaries, collaborations, and everything about algae, especially Microcystins and Cladophora.