

February 10-13, 2009 – Pathogens Workshops Agenda

Sirata Beach Resort and Conference Center; 5300 Gulf Boulevard, St. Pete Beach, FL 33706

Note: there are three sequential workshops taking place at this location.

Tuesday, Feb 10

Workshop 1a: GOMA WQ Team, Pathogens Workgroup Meeting (Part 1)-Action Plan II development

1:00-5:00 p.m. Develop Action Steps and identify Tasks and timelines to accomplish pathogen goals identified in Action Plan II. Interested parties welcome.

Wednesday, Feb 11

Workshop 2: GOMA Microbial Source Tracking (MST) & Pathogens Detection Workshop

8:00 Registration

8:30 Local Welcome and Opening remarks by GOMA

EPA Background

8:45 Overview of EPA's Critical Path Science Plan for the Development of Recreational Water Criteria - Mark Rodgers, U.S. EPA

Beach Epidemiology Studies

9:15 EPA Beach Epidemiology Studies-Tim Wade, U.S. EPA (speaking from Raleigh, NC)

9:45 BEACHES Epidemiology Study in Miami by UM OHH Center-Chris Sinigalliano, NOAA-AOML

10:15 **Break**

10:30 California SCCWRP Beach/Epidemiology Studies-John Griffith, SCCWRP

11:00 *Plenary discussion:* What's different about conditions in the Gulf of Mexico?

12:00 **Lunch**

MST and Pathogen Identification Methods

1:00 Practical considerations in the use of PCR-based methods to detect microbial pathogens, Shiao Wang, Univ. Southern Mississippi

1:30 Rapid methods for the detection of general fecal indicators– Rich Haugland, U.S. EPA (speaking from Cincinnati)

2:00 EPA Critical Path Science Plan Projects 19, 20 and 21: Human and Bovine Fecal Source Detection - Orin Shanks, U.S. EPA

2:30 Microbial Source Tracking of Avian Sources-Jorge Santo Domingo, U.S. EPA

3:00 **Break**

3:15 Assessment of Methods for MST and Detection of Alternative Indicators/Pathogens by the NOAA FACE Program- Chris Sinigalliano, NOAA-AOML

3:45 Year 1 of the Collaborative GoM MST Study (USF, USM, UWF) - Valerie J. (Jody) Harwood, Univ. South Florida

4:15 *Plenary discussion:* identify information gaps and projects to address them

5:30 **Adjourn**

Thursday, Feb 12

GOMA MST & Pathogens Detection Workshop - Continued

8:30 Registration

Vibrio Methods

9:00 QPCR approaches to *Vibrio* - Anita Wright, Univ. of Florida

9:30 Remote Sensing of *Vibrio* - Jay Grimes, Univ. Southern Mississippi

10:00 Coastal monitoring for *Vibrio vulnificus* – a Texas pilot study -Joanna Mott, Texas A&M, Corpus Christi

10:30 **Break** Note: hotel checkout time is 11 a.m.

Workshop wrap-up

10:45 Meeting summary- Jan Moore, NOAA

11:00 *Plenary discussion:* Opportunities for GOMA Support of New Pathogen Standards and Criteria

12:00 **Lunch**

Workshop 1b: GOMA WQ Team, Pathogens Workgroup Meeting (Part 2)-Action Plan II development

1:00-5:00 p.m. Incorporate workshop information into GOMA Action Plan. Interested parties welcome.

(over)

Friday, Feb 13

Workshop 3: Microbial Source Tracking in the Gulf of Mexico: A Review of the Current Study and

Directions Forward

EPA GOMP/GOMA MST-grant researcher's workshop (Harwood, USF; Wang, USM; Lepo, UWF)

8:00 Sign-in Table; Continental breakfast in Mediterranean Palm Room, 2nd floor

8:30 Welcome, Introductions, Program Announcements (Harwood)

8:45 The Gulf of Mexico Alliance Steve Wolfe, FDEP

9:00 **Plenary Session:** What has changed since the Airlee VA "Experts" Meeting?

- New or supplementary indicators
- Timeline for implementation
- Funding opportunities (current & future)

9:45 **Regulatory Agency Perspective on MST** David Whiting, FDEP

10:00 **Break**

10:15 **Current Gulf of Mexico Program MST study** (Harwood)

- Study design and goals
- Marker validation: sensitivity and specificity
- Round robin testing

11:00 **Field Testing and Case Studies (USF, USM, UWF)**

- R.D. Ellender, USM
- Joe Lepo, UWF
- George DiGiovanni, Texas A&M
- Shiao?
- Troy?
- Mott lab?

Noon **Lunch**

1:00 **Continue Current Gulf of Mexico Program MST study**

- QPCR for human polyomaviruses (Shannon McQuaig, Harwood lab)
- Summary of work to date (Harwood)
- Next steps & proposed field sites (Harwood)

2:15 Coffee break

2:30 Panel meeting:

- Which markers should be moved into the next phase of testing?
- Other markers?
- Suggested modifications in study design?
- Discussion of field sites

4:00 Workshop Summary & Recommendations

4:30 - ? **Happy hour!**