

Welcome

Deepwater Horizon Dispersant Use Meeting



Coastal Response Research Center

Deepwater Horizon Dispersant Use Meeting

May 26-27, 2010

Nancy E. Kinner
Coastal Response Research Center
(**CRRC**)
UNH Co-Director



Coastal Response Research Center

LOGISTICS

- Fire Exits
- Restrooms
- Location of breakout rooms
- Dining - breakfasts, lunches & snacks (outside meeting rooms)
- Evening Dinner:
 - Location: Mike Anderson's (directions on registration desk)
 - Cash bar available (beer and wine) - 6:30 pm
 - Buffet Dinner
- If you have any questions - check with staff at registration table



KEY CRRC STAFF

- Nancy Kinner - UNH Co-Director
- Joseph Cunningham - Research Engineer/Group Lead
- Zachary Magdol - Research Engineer/Group Lead
- Kathy Mandsager - Program Coordinator
- Heather Ballestero - Graduate Student/Recorder
- Mike Curry - Graduate Student/Recorder
- Tyler Crowe - Graduate Student/Recorder
- Joe Corsello - Undergraduate Student/Recorder
- Eric Doe - Undergraduate Student/Recorder



CRRC Overview



Coastal Response Research Center

CRRC CREATION

- NOAA's Office of Response and Restoration (ORR)/UNH spill partnership in 2004
- Co-Directors:
 - UNH - Nancy Kinner
 - NOAA - Amy Merten
- Funding for oil spill research decreasing
 - Government
 - Private sector
- Many research needs exist regarding spill response, recovery and restoration



OVERALL MISSION

- Develop new approaches to response and restoration through research/synthesis of information
- Serve as a resource for ORR, NOAA and other agencies
- Serve as a hub for spill research, development and technical transfer for ALL stakeholders
 - Spill community (U.S. and internationally)



SPECIFIC CENTER MISSIONS

- Conduct and oversee basic and applied Research and outreach on spill response and restoration
- Transform research results into practice
- Educate/train students who will pursue careers in spill response and restoration



OUTREACH EFFORTS

- Workshops on hot topics to identify research priorities and partners
 - Dispersed Oil: Efficacy and Effects
 - Submerged Oil: State of the Practice
 - Human Dimensions of Spills
 - Dispersed Oil Research Forum
 - Integrated Modeling
 - PAH Toxicity
 - Environmental Response Management Application (ERMA®)
 - Environmental Response Data Standards
 - HEA Metrics Workshop
 - Opening the Arctic Seas: Envisioning Disasters & Framing Solutions
 - Oil Spill Research Needs
 - NRDA in Arctic Waters: The Dialogue Begins



CRRC DISPERSANT ACTIVITIES

- May 2005 - NRC Dispersed Oil Report
 - Highlights need for R&D
- July 2005 - CRRC Hosts Dispersed Oil R&D Meeting
 - Federal & State Agencies, Industry, NGO's
- September 2005 - Dispersed Oil Workshop
 - ??? Participants Representing Cross Section of Stakeholders
 - 2006 R&D Needs Report Released



DISPERSANT R&D NEEDS

- ??
- ??



DISPERSANT WORKING GROUP

- Formed to Coordinate Dispersants Research Funding
- ~26 Members - Major Funding Organizations
 - U.S. and International
- Public & Private Sector
 - Governmental Agencies, Industry, NGOs
- ~ \$?? M in Dispersant R&D
- CRRC ~\$2.4M - Focused on Transport, Behavior and Effects
 - NOAA Interests



DISPERSANTS WORKING GROUP

- Activity/Information on CRRC
 - www.crrc.unh.edu/dwg
- 2006 R&D Report
- 2007 Dispersants Forum Slides
- List of All Dispersants R&D Funded by DWG Members



BACKGROUND FOR TODAY'S MEETING

- CRRC NRDA in Arctic Workshop: April 20-22, 2010
- April 20th DWH Blowout
- Dispersant Use - Large Volume
 - Aerial Sorties
 - Subsurface (500 ft depth) Injection
- Largest Volume of Dispersants Ever Applied
- Unique Subsurface Injection into Plume at ~5000ft Depth



STAKEHOLDER & PUBLIC CONCERN

- If Top Kill of Well Does Not Work This Week
- Is Large Scale Aerial and Subsurface Dispersant Use Advisable for Another 2-25+ Months?
- What Monitoring Protocols Needed for Long-Term Use?



CRRC ROLE IN DWH DISPERSANT MEETING

- CRRC History With Dispersants R&D
- CRRC Leadership of DWG
- CRRC: Independent and Honest Broker
 - NH not oil-producing state
 - UNH independent academic affiliation
 - Strong record of peer review
 - Knows for bringing all stakeholders into discussions



DWH DISPERSANT USE MEETING

- First Suggested ~2 Weeks Ago
- In Gulf States
- Representatives of All Stakeholders
- Short Time Frame
- Final Clearance to go Forward = Saturday, May 20





Coastal Response Research Center

PLANNING COMMITTEE

Carl Childs, NOAA ORR

Tom Coolbaugh, ExxonMobil

Dave Fritz, BP

Kurt Hansen, USCG, R&D Center

Charlie Henry, NOAA SSC

Bruce Hollebhone, Environment Canada

Nancy Kinner, CRRC

Ken Lee, Fisheries & Ocean, Canada

Alan Mearns, NOAA ORR

Joe Mullin, MMS

Bob Pond, USCG HQ

Nat Scholz, NOAA, NMFS

Al Venosa, EPA



Coastal Response Research Center Website

www.crrc.unh.edu



PARTICIPANT INTRODUCTIONS

- Name
- Affiliation
- Expertise

