

Dispersant Working Group
February 2, 2007

Meeting Notes

Attendees: Nancy Kinner, Kathy Mandsager, Yvonne Addassi, Joe Banta, Victoria Broje, Jim Clark, Per Daling, Don Davis, John French, David Fritz, Kurt Hansen, Bruce Hollebhone, Ken Lee, Francois Merlin, Karin Messenger, Joe Mullin, Susan Saupe, Mike Sowby, Al Venosa.

- I. Where should we go from here?
- A. Dispersant Modeling Forum – group develop parameters of modeling working group
- Sub-committee appointed to proceed & plan this Forum along with CRRC Co-Directors
 - Bruce Hollebhone (Environment Canada)
 - Yvonne Addassi (CA OSPR)
 - Al Venosa (US EPA)
 - NOAA modeler TBD
- B. Dispersant & Decision-making
- Assessments/Guidelines: 1.) Coast Guard regulations – Spring 2007; 2) Ecological impacts (i.e., API documents); 3) Identify decision-makers; 4) NRC reports
 - What info has been generated since then that will add to this? Francois has aerial guidelines; NY is trying to do ecological risk assessment; CA is doing 0-3 miles nearshore area that NRC requested additional information on. Does it change the balance of the scale? Does it help make or change the decision?
 - Form into a mechanism that explains this to FOSC's, RRT's
 - USCG being pulled into Homeland Security
 - Jim Clark, thru API funded project with Aurand and Huber – developing a (step by step) implementation plan. Could this contract fund a workshop for each RRT?
 - Include research currently underway:
 - Hollebhone – simple tests, ecological assessment
 - Lee – environmental risk assessment /scientific
 - Addassi - grid/species sensitivities
 - CRRC is funding a synthesis of the tox data (include SINTEF & CEDRE data) with Joy McGrath's data.
 - Environment Canada is reviewing dispersant guidelines update. Due to Canada's new regulations – endocrine disruption – how do we test this? micro-tox. Environment Canada now has series of standardized tests
 - SINTEF has review of toxdata (Trone is leading this effort)

- PWSRCAC (Banta)-has a dispersant reports database
- LA OSRADP (Davis/Conover) needs to attend Interspill conference, (and go to Ottawa) for bibliography data. This database project will likely take 2-3 years, and will be available electronically in some accessible format.
- Environment Canada not able to add \$\$, but can add people
- CRRC \$ maintain this database
- CEDRE (Merlin) has tox for nearshore contingency planning & implementation; Evaluation: 1)salt marsh/ habitat/ zone/ retention/ biodegradation 2)mud flats 3) living organisms
- Does anyone want to join CRRC's Toxicity Working Group? Take research CRRC is funding and get into practice. May build on Jay Field's database. Debbie French-McCay's, Carys Mitchelmore's NRC report data, Joy McGrath and Jay Field's data. Project is due to start this spring with one-year completion date.
- It was concluded to synthesize data - then review later for research gaps and then improve existing data

C. Need for Dispersant Bibliography

- Cold water nutrients lit review, key ingredients, aggregate formation
- Form Biodegradation Working Group with other scientists already doing research, but may not yet be involved in oil spill community
- Biodegradation Working Group includes:
 - Jim Clark
 - Ken Lee
 - Al Venosa
 - Jim Bonner
 - Francois Merlin
 - Robin Jamail
 - CRRC Co-Directors

D. Dispersant Sediment Study

- No funders
- Efficacy questions – leaching, funded by JIP, conflicting data by Environment Canada (Fingas) /PERF. A different/additional test is needed.
- Discussion decision: keep this on the table; revisit later

E. Dispersant Energy (Dissipation) Issue

- 1)Assemble it 2)Package it for RRT 3)Clearinghouse of this data
 - J. Mullin (Ohmsett) energy testing in 2009 - replacing wave generator; Lee/Venosa-April 2008 report for batch work, tank testing is next step
 - SINTEF & CEDRE have joint project – CEDRE could make some changes in order to include energy.
 - SINTEF (Mark Reed) – meso-scale tank (CRRC – 2007)
 - Katz project – micro scale, digital holography (CRRC 2007)
 - Mullin & Trudel continuing leaching studies, will test this summer in calm water

- One year from this Spring – fund a workshop (Merlin, Lee/Venosa, Mullin, Reed, Katz, Hollebone, CRRC Co-Directors)

F. Efficacy

- USCG – SMART protocols, monitoring research
- Texas A&M & SINTEF projects
- Oil in Ice project – weathering oil in ice
 - Ice melting-gradient in salinity Bering in edge ice (Saupe says these must be this info) she will give to SINTEF
 - Application methodologies (Per)
 - Hydrodynamic models –Broje – identify the needs; IOOS CODAR map the ice fields not direct (Saupe & Hollebone). Funding – developing observations (not without modelers!)
- Bio fuels – OSC’s will need to know if dispersants can be used on EPA/ Coast Guard. Hollebone is testing – biodiesel is not dispersible but still had to characterize bio fuels. Issue of bio fuels that they are not dispersible, but should be kept on our radar screen.
 - Heavy bunker fuel oils?
 - SINTEF will do an overview of characterization- so they can see if there is any trends (because much variety) will test to see at least what is and if it is dispersible

G. Announcements

- Next meeting – 6 months (September) via conference call.
- CEDRE field test/trials, end of May 2007, open water experiments – does anyone want to join this opportunity
- ITAC meeting-not yet scheduled – possibly May