



UNIVERSITY of NEW HAMPSHIRE

Spill Modeling Working Group

May 24, 2011

(In conjunction with IOSC, Portland, OR)

Meeting Notes

Attendees:

Nancy Kinner, CRRC

CJ Beegle-Krause, NOAA

Michel Boufadel, Temple University

Kate Clark, NOAA

Debbie French McCay, ASA

Wolfgang Konkell, ExxonMobil

Bill Lehr, NOAA

Debbie Payton, NOAA

Mark Reed, SINTEF

Ira Leifer, UCSB

Jim Payne, Payne Environmental

Michael O'Brien,

Jerry Galt, Genwest

Dean Dale, Genwest

Peter Albers, Consultant

- I. This meeting was to review and decide whether to reinvigorate the production of the State-of-the-Art Spill Modeling White Paper
- II. Spill Response Modeling Subcommittee (Wolfgang Konkell & Debbie Payton)
 - In 2006, when this project started we were without a tool; subsequently have developed response capabilities in SIMAP and Genwest ROC and other spill tools
 - It became obvious that tools were already there
 - Wolfgang/ExxonMobil has committed to fund completion of this report
- III. Physical Fate and Behavior Subcommittee (Mark Reed and Bill Lehr)
 - DWH activities has prevented completion of work on this project
 - Adios 3 is now funded – which was theoretical when this project began in 2006
 - Group has achieved its purpose in state-of-the-art assessment and promotion of data tool needed for future use (i.e., oil & ice add-ons, ROC, GNOME 2, iPhone applications, web-enabled, Oil Budget Calculator data and calculations, any software that is now written should interface and communicate with other analysis pieces)
- IV. Biological Effects Subcommittee (Debbie French McCay)
 - NOAA participants have been busy with DWH incident; updates resulting from DWH should be included
 - Need to include data collection from DWH into the report
 - Bird section is completed (Peter Albers and Rebecca Dunne)
 - Glenn Ford completed his section on wildlife ecosystems

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- Dilemma is NOT to include NRDA, so we could simply stop the report at “this is where we were before DWH” and later add DWH information. Biological data should be off the table due to NRDA sensitivity
 - Document as is needs major editing; perhaps could hire someone to do this task
 - Could make this document a Retrospective Review
 - Fund NOAA to do sublethal/chronic literature review? (Kate Clark)
- V. Physical Transport Subcommittee (CJ Beegle-Krause and Michel Boufadel)
- Some sections have been completed
 - Time & scales piece drafted by CJ has not been reviewed by group
 - Estimate 1 month effort for 2 to 3 people to complete this document – Michel agrees to do this in June (document may not be as detailed as we intended a year ago, but it will be finished)
 - GNOME II will need CJ & Michels’ document for technical algorithms and assessments
- VI. Next Steps
- Do we want to move forward as originally planned or have events overtaken this project
 - Spill Response Modeling – will be completed by Wolfgang
 - Physical Transport – will be completed by Michel and CJ
 - Biological Effects – Not now due to NRDA, may still produce a document later
 - Sublethal/chronic lit review – Kate Clark