

Submerged Oil Working Group
Wednesday, October 29, 2008
(In conjunction with Clean Gulf, San Antonio, TX)

Meeting Notes

Attendees: Nancy Kinner-CRRC, Don Davis- LAOSRADP, Leigh DeHaven-USEPA
Kurt Hansen-USCG R&D, Bruce Hollebone-Environment Canada, Joe Lally-USCG, Joe
Brown-USCG, Buzz Martin & JT Ewing-TX GLO, Judd Muskat-CA OSPR, Fredy
Hernandez-USCG MPFC
Via phone: Chris Barker, Bill Lehr, Debbie Payton, all of NOAA ORR and Ben
Anderson, Delaware DEP

I. History of Working Group

II. Introductions

III. List of Research Priorities

- Topics came from original December 2006 Submerged Oil R&D Workshop (see attached)
- Working Group was tasked to rank/prioritize this list

IV. Updates on current projects as related to III Priorities List

- Kurt Hansen (USCG)
 - Funding A2 on spreadsheet “Detection using acoustic and laser fluorometry” (giving paper at Clean Gulf); Final Report due April 2009
 - Funding for two devices: Ohmsett test in January 2009 open to public, using sonar system & laser fluorometer
 - France has also done some work with sonar testing
 - UK Coast Guard (MCA) is conducting literature search on submerged oil via IMO (now posted on CRRC website)
 - Next funding cycle (future BAA) – Integrated Recovery System (anything after detection) USCG R&D providing \$300k, need additional \$300K; Sept/Oct award contracts
 - Efficacy testing - Ohmsett in January 2009. Everyone is invited to participate in this testing. Lehr/Payton to ask Haddad/Conner about damage assessment. Lehmann also interested.
 - Funded USCG projects may also provide data that would apply to “seafloor habitat” D4/E1
- Bruce Hollebone (Environment Canada)
 - Developing field guide for assessment, but may not include organisms

- Collecting real-time data (Covers D2/E2/E4 on spreadsheet) – need for modeling: physical characteristics, movement on bottom, remobilization, detection, etc
 - A manned submersible (Dave Usher) is being tested
 - H1 on spreadsheet – not a lot of documents out there (~12 or so) Environment Canada/DFO have done this review internally. Embargo may be removed later this year. [It was also suggested that EPA Librarian could assist with this as well.]
 - NRC toxicological fuel oil 6 and asphalt – fractionalizing oil into boiling point ranges - 3 species (i.e., juvenile trout) – brackish, not seawater, 3-ring and 4-ring PAH, using whole oil components. This is a large project.
 - CRRC funded project (Hollebone)– 6 factors that affect whether oil will sink. Report available at Clean Gulf 2009
 - CRRC funded project (Ali Khelifa) just completed oil sediment study (Final Report is posted on CRRC website). This study will continue with Part 2 of research funded by Environment Canada, testing light, medium and heavy Arabian crudes. This data will be available in March for final thesis.
- Don Davis (LAOSRADP)
 - Possible submerged oil database/literature review will be funded
 - Possible RFP related to G2/G3 on water intakes – discussion ensued regarding current standard procedure vs. document on guidelines and specifications (It was also suggested that perhaps funding from AWWA would also be appropriate for this).
 - Nancy Kinner (CRRC)
 - Center-funded project (Englehardt) with Chris Barker as NOAA Liaison. Research studies use of Bayesian statistical technique to estimate submerged oil location from few sampling data (geo-referenced – snare)

V. Other Announcements

- March 2009 Oil Spill R&D Workshop, hosted by CRRC – by invitation only
- Next Submerged Oil Working Group meeting possibly at Clean Pacific 2009