

U.S. Department of
Homeland Security

United States
Coast Guard



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22 Sept 2021

MEMORANDUM

From: LCDR C. J. Graham
Executive Director, Interagency Coordinating
Committee on Oil Pollution Research

To: Members, Interagency Coordinating Committee on Oil Pollution Research (ICCOPR)

Subj: FY 2021 FOURTH QUARTER ICCOPR MEETING MINUTES

General: ICCOPR members, member agency representatives, and invited guests met via Zoom for Government on Wed Sept. 22, 2021. LCDR Cliff Graham (USCG) called the meeting to order at 1:00 pm and it continued until 3:30 pm. LCDR Graham (USCG) reviewed the agenda (Enclosure 1). Representatives of ICCOPR agencies that were in attendance via phone and/or video were:

Ms. Kirsten Trego, Acting ICCOPR Chair, USCG
Mr. Bill Vocke, ICCOPR Acting Vice Chair, BSEE
LCDR Cliff Graham, Acting ICCOPR Executive Director, USCG
CDR Tracy Wirth, USCG
Mr. Alex Balsley, USCG
Ms. Karin Messenger, USCG
Mr. Marion Lewandowski, USCG
Dr. Benedette Adewale, USCG
CAPT Greg Hall
Mr. Scott Lundgren, NOAA
Mr. John Tarpley, NOAA
Dr. Lisa DiPinto, NOAA
Mr. Jordan Stout, NOAA
Dr. Robyn Conmy, EPA
Dr. Walter Johnson, BOEM
Dr. Zhen Li, BOEM
Dr. Karen Stone, BSEE
Mr. John Kucklick, NIST
Dr. Steven Wong, DOE
Dr. Sailendra Mahapatra, DOE
Mr. Barry Forsythe, USFWS
Mr. Robert Smith, PHMSA

Ms. Jo Ellen Hinck, USGS
Mr. Brendan Booker, USACOE

Guests:

Ms. Katie Perry, UNH CRRC
Dr. Nancy Kinner, UNH CRRC

1. Welcome and ICCOPR Opening Remarks

- a. Ms. Trego (USCG) and Bill Vocke (BSEE) opened the meeting and welcomed both ICCOPR members and guests. They reported out agency updates and expressed their gratitude and appreciation for the guest speaker's support to ICCOPR.
- b. Ms. Trego officially welcomed Mr. Aaron Parker of NOAA to the Vice Chair role, per CGAA 2020 requirements. He also thanked BSEE for their previous service as Vice Chair, and was gracious for Dr. Hudson, and Bill Vocke's hard work and dedication towards ICCOPR.
 - Ms. Trego also emphasized the continued work on the R&T Plan, and Biennial Report to Congress that are on track to be completed in the coming months. In addition, she remarked on the kickoff of the NASEM contract to provide a review of the R&T Plan (IAW CGAA 2020). The contract is planned to start by Oct, 2021.

2. General Updates/Announcements

- a. LCDR Graham (USCG) provided general updates to ICCOPR on the following topics:
 - Provided updates on the ICCOPR R&T Plan announcing that all chapters are with ICCOPR for review, and that several agencies have sent out the R&D data for input into the Biennial Report to Congress.

3. UNH Coastal Response Research Center (CRRC) Presentation

- a. Dr. Nancy Kinner and Ms. Katie Perry introduced themselves, and the work of the CRRC and Center of Spills and Environmental Hazards (CSE).
- b. Dr. Kinner provided overview of the following topics and purpose of the following projects, beginning with the final completion of the updated R&T Plan:
 - i. ICCOPR Oil Pollution Research and Technology Plan
 1. Background, purpose, process, timeline and milestones achieved.
 - ii. Response Oil Assay project
 1. Develop software and collect data for a new database of oil physio-chemical properties to support oil spill response decision-making
 2. Builds on NOAA's ADIOS Oil Database
 - iii. Arctic Maritime Spill Modeling
 1. Identify state-of-the-art oil spill and sea ice models
 2. Recommend new components and algorithms for oil and ice interactions;
 3. Propose methods for improving communication of model output uncertainty;
 4. Develop methods for coordinating oil and ice modeling efforts

- iv. Marine Mammal NRDA
 - 1. Have NOAA offices develop a common understanding of NRDA processes, hurdles, and possible marine mammal (e.g., cetaceans, pinnipeds, delphinids) injury assessment methods based on information gained since DWH spill.
- v. Emerging Oil Workshop
 - 1. Educate NRDA practitioners on the West Coast about emerging oils (bakken, biodiesel, biofuels, ethanol, low-sulphur fuels, and waxy crude oil)
 - 2. Focused on Washington, Oregon, California
 - 3. Improve understanding of fate and transport and potential damage/impacts to the ecosystem
 - 4. Increase understanding of emerging oils and their transportation mechanisms
- vi. Coordinating Recent Advancements in Estimating and Measuring Oil Slick Thickness
 - 1. Compare advances in characterizing oil slick thickness through controlled tank, wave tank, and field testing
- vii. Oil Under Ice Modeling
 - 1. Improve Arctic oil spill modeling by better understanding the behavior of oil under ice and the potential under ice storage capacities.
- viii. Oil Snare Project
 - 1. Determine the most effective oil snare materials, construction, and operation methods to keep the snare at a desired depth while efficiently removing submerged oil.
- ix. Measuring Settling Velocities of Oil Marine Snow
 - 1. Determine the settling rate associated with marine oil snow under different concentrations of oil and sediment.

4. ICCOPR R&D Updates

- a. 5-minute R&D updates were provided by all participating agencies.
- b. Robyn Conmy provided an overview of the Canadian MPRI Program, and that MPRI would like ICCOPR's support for continuation of Phase II. ICCOPR agreed to support, and agreed to submit a letter of support to Canadian officials. LCDR Graham on behalf of ICCOPR will work with Ms. Conmy on drafting and submitting the letter on behalf of ICCOPR.

5. Closing Comments and Meeting Adjournment

- a. Ms. Trego (USCG) and Mr. Bill Vocke thanked ICCOPR guests and representatives for excellent presentations, and once again welcomed NOAA as new Vice Chair to their new role. They look forward to seeing everyone again at the December meeting.
- b. The next quarterly ICCOPR meeting is scheduled in Dec, 2021. The meetings will continue to be held virtual for the foreseeable future. LCDR adjourned the meeting at 3:30 pm.

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Enclosures: (1) Meeting Agenda
(2) UNH CRRC Presentation Slide Deck