

## Appendix A: Charter

Mission statement: The GCJMT Shoreline Clean-up Completion Plan (SCCP) was approved November 2, 2011. The Plan provides for Response endpoints (defined as those criteria that outline the conditions necessary to deem removal actions are complete for any given segment of shoreline in the Area of Response-AOR) and a process for completion of the shoreline response. Based on observational data from both SCAT and Operations, there are discrete areas of recurring residual oil (most typically tar mats and tar balls) that have prevented or delayed various shoreline segments from reaching defined endpoint criteria. It is speculated that the sources of this recurring residual oil may include adjacent shorelines and waterways, wind erosion uncovering buried residual oil in the supratidal zone, or the break-up of near shore residual that originated from oil sources, such as submerged oil mats (SOMs), breaking up and moving into the intertidal zone, near shore and onshore areas. This initiative (OSAT III) will identify how and where sand transport from long shore currents, waves, tide, weather and/or geomorphic processes, or other means yet to be determined have any influence or causal effects related to the recurring residual oiling of shorelines in the Response area of operation (AOR).

Outcome: The Operational Science Advisory Team III (OSAT III) is being chartered to provide science-based review of data collected and to conduct, with FOSC concurrence, additional directed studies and sampling as necessary to evaluate source, transport and deposition of residual oil that is causing continued shoreline re-oiling; and to investigate if operational changes can be implemented or technologies employed to more effectively complete the SCCP process and meet endpoints.

### The OSAT III Tasks:

1. Evaluate the trends observed in frequency, rate and potential for remobilization of oil on segments.
2. Determine and record the locations and typical shoreline profiles and morphology for likely source(s) of residual oil or origin of the SRBs.
3. Define or determine the mechanisms whereby re-oiling phenomena may be occurring.
4. Investigate the potential for mitigating actions that may be taken to reduce these potential occurrences and, to the extent mechanisms are identified, evaluate their feasibility, and net environmental benefit of employing such methods.
5. Recommend a path forward in order to reach SCCP guidelines or appropriately manage identified areas through alternative methods.

### Authority and Responsibility:

The OSAT III will be comprised of Federal, State, Local, and Responsible Party and other agency representatives whose skill sets are tailored to the specific concerns of the Deepwater Horizon Unified Command. All activities are under the Coast Guard's Federal On-Scene Coordinator's direction and authorities. The OSAT III shall serve as an advisory board providing a scientific

perspective based on new sampling, historical data collection, and analysis to inform operational decision making.

#### Composition:

A Steering Committee (SC) will define the composition of the OSAT III multi-agency, multi-disciplinary science work team membership. The Steering Committee shall be co-chaired by BP and NOAA; other members of the Steering Committee shall be the State On-Scene Coordinators, the DOI Trustee, and the FOSCR. The FOSC will appoint a team leader to head the OSAT III Science Work Team (SWT) from the scientific community. The SC, working with the SWT Leader, will determine the structure of the SWT (which will include state and local experts) and periodically review their progress and offer direction, including preparation of a final report of findings. The SC may also approve the addition of consultants or technical experts to the SWT as requested by the SWT Leader.

#### Personnel:

To provide prompt, succinct and substantive recommendations to the SC, the team shall include (but not be limited to) expertise in these areas:

1. Coastal geomorphology
2. Coastal Ecology
3. Hydrodynamics

#### Operation and Business Rules:

- Members of the SC or SWT who are on a regular rotation in the GC-IMT will be kept informed of OSAT III decisions and products, but need not be involved in actual deliberations during off-rotation periods.
- The goal of the team is to develop timely, clear processed knowledge pertaining to the areas described above. In keeping with this goal only one person may represent each agency in normal OSAT III meetings. The SC Chairs may authorize additional attendees to support technical and scientific discussions as necessary.
- No central server-based architecture currently exists to support OSAT III work. To maintain continuity, members will access master documents on the GC-IMT Sharepoint website.
- Requests for resources must be approved by the SC prior to execution unless otherwise authorized.

#### Required Deliverables:

OSAT III will provide a final report to the FOSC of their findings. Other products will be organized as follows:

- o Bi-Weekly Summary Progress Report
- o Report data gaps and make recommendations to reduce gaps

- Final Report

A handwritten signature in black ink, appearing to read 'S. Walker', with a long horizontal flourish extending to the right.

S. Walker, CAPT, USCG Federal

On-Scene Coordinator

Gulf Coast Incident Management Team



Appendix A. List of participants.

Steering Committee

|              |           |   |                                |
|--------------|-----------|---|--------------------------------|
| Samuel       | Broussard | Louisiana Department of Environmental Quality   | Trustee                        |
| LCDR Patrick | Coleman   | U.S. Coast Guard                                | Response Lead Agency           |
| Frank        | Csulak    | National Oceanic and Atmospheric Administration | Scientific Support Coordinator |
| Gary         | Hayward   | BP  | Responsible Party              |
| Daniel       | Lambert   | Louisiana Department of Environmental Quality   | Trustee                        |
| CDR Daniel   | Precourt  | U.S. Coast Guard                                | Response Lead Agency           |
| Curt         | Sauer     | Department of Interior                          | Trustee                        |
| CDR Scott    | Saunders  | U.S. Coast Guard                                | Response Lead Agency           |
| Michael      | Slack     | Mississippi Department of Environmental Quality | Trustee                        |
| Bea          | Stong     | BP  | Responsible Party              |
| Wayne        | Stover    | Mississippi Department of Environmental Quality | Trustee                        |
| Jeff         | Weller    | U.S. Fish and Wildlife Service                  | Trustee                        |

Science Team and Special Projects

|  |                  |   |  |
|--|------------------|---|--|
| <b>Wade</b>  | <b>Bryant</b>    | <b>U.S. Geological Survey</b>                                   | <b>Science Team Lead</b>                   |
| <b>Robert</b>  | <b>Frost</b>     | <b>BP</b>   | <b>Project Lead - Aerial Imagery / GIS</b> |
| <b>Ali</b>   | <b>Baird</b>     | <b>Newfields</b>  | <b>Spatial Analysis</b>                    |
| LT Kevin   | Baldwin          | U.S. Coast Guard  | Science Team Liason                        |
| <b>Soupy</b>   | <b>Dalyander</b> | <b>U.S. Geological Survey Coastal and Marine Science Center</b> | <b>Hydrodynamic Modeling</b>               |
| <b>Ioannis</b>   | <b>Georgiou</b>  | <b>University of New Orleans</b>                                | <b>Hydrodynamic Modeling</b>               |
| MSTC Aaron   | Hemme            | U.S. Coast Guard  | Science Team Liason                        |
| <b>Zoey</b>  | <b>Hughes</b>    | <b>Boston University</b>  | <b>Hydrodynamic Modeling</b>               |
| Daniel   | Lambert          | Louisiana Department of Environmental Quality                   | Science Team - Trustee                     |
| <b>Joseph</b>  | <b>Long</b>      | <b>U.S. Geological Survey Coastal and Marine Science Center</b> | <b>Hydrodynamic Modeling</b>               |
| LT Joshua  | Patton           | U.S. Coast Guard  | Science Team Liason                        |
| <b>Nathaniel</b>   | <b>Plant</b>     | <b>U.S. Geological Survey Coastal and Marine Science Center</b> | <b>Hydrodynamic Modeling</b>               |
| Frank  | Powell           | National Park Service   | Science Team - Trustee                     |
| <b>Ellen</b>   | <b>Raabe</b>     | <b>U.S. Geological Survey Coastal and Marine Science Center</b> | <b>Hydrodynamic Modeling</b>               |
| Sally  | Shultz           | National Park Service   | Science Team - Trustee                     |
| <b>David</b>   | <b>Thompson</b>  | <b>U.S. Geological Survey Coastal and Marine Science Center</b> | <b>Hydrodynamic Modeling</b>               |
| <b>Kevin</b>   | <b>Trosclair</b> | <b>University of New Orleans</b>                                | <b>Hydrodynamic Modeling</b>               |
| Barbara  | Viskup           | Mississippi Department of Environmental Quality                 | Science Team - Trustee                     |
| Linda  | York             | National Park Service   | Science Team - Trustee / Review            |
| <b>contributing authors to OSAT-3 report and/or appendices</b> |                  |   |  |

Technical and Administrative Support

|             |              |  |                             |
|-------------|--------------|--|-----------------------------|
| Teresa      | Allard       | Polaris Applied Science Inc.                             | SCAT data integration       |
| Charles     | Armburster   | Louisiana Oil Spill Coordinators Office                  | Technical Expert            |
| Mike        | Aslaksen     | National Oceanic and Atmospheric Administration          | Aerial Imagery              |
| Marie       | BenKinney    | Exponent   | Technical Editor            |
| Curtis      | Brinkerhoff  | BP   | GIS / Database support      |
| Lyle        | Bruce        | BP   | Technical Support           |
| Chad        | Carpenter    | DAT/EM Systems International                             | 3D software support         |
| Jay         | Carstenbrock | BP   | Planning Section Chief      |
| Carl        | Childs       | National Oceanic and Atmospheric Administration          | Technical Advisor / Review  |
| Sandra      | Cooper       | U.S. Geological Survey                                   | Technical Editor            |
| Toni        | Debosier     | National Oceanic and Atmospheric Administration          | Environmental Section       |
| Caroline    | Demay        | BP   | GIS / Database support      |
| Todd        | Farrar       | Polaris Applied Science Inc.                             | SCAT data integration       |
| Duncan      | Fitzgerald   | Boston University / Polaris Applied Science Inc.         | Technical Expert / Review   |
| Charles     | Golden       | BP   | Buried Oil Project Lead     |
| Larry       | Handley      | U.S. Geological Survey National Wetlands Research Center | GIS support                 |
| Robert      | Harrison     | BP   | Operations Section Chief    |
| Amanda      | Henderson    | BP   | Administrative Support      |
| Brenda      | Jones        | U.S. Geological Survey EROS Data Center                  | Aerial Imagery              |
| Terry       | Keating      | Quantum Spatial  | Aerial Imagery              |
| Mark        | Kulp         | University of New Orleans                                | Technical Expert            |
| Jolie       | Larose       | BP   | Administrative Support      |
| Pierre      | le Roux      | Quantum Spatial  | Aerial Imagery              |
| George      | Maaloui      | Quantum Spatial  | Aerial Imagery              |
| Louis       | Martinez     | Polaris Applied Science Inc.                             | GIS support                 |
| Kathy       | McGee        | DAT/EM Systems International                             | 3D software support         |
| Jacqueline  | Michel       | Research Planning Inc.                                   | Technical Expert / Review   |
| Tyson       | O'Brien      | Polaris Applied Science Inc.                             | SCAT data integration       |
| Hunter      | Rowe         | BP   | Technical Support           |
| Travis      | Scott        | Polaris Applied Science Inc.                             | SCAT data integration       |
| John        | Sellars      | National Oceanic and Atmospheric Administration          | Aerial Imagery              |
| LT William  | Spoon        | U.S. Coast Guard   | Environmental Section Chief |
| Brad        | Valtierra    | BP   | GIS / Database support      |
| Christopher | Wells        | U.S. Geological Survey National Wetlands Research Center | GIS support                 |
| Scott       | Wilson       | U.S. Geological Survey National Wetlands Research Center | GIS support                 |
| Jason       | Wollard      | National Oceanic and Atmospheric Administration          | Aerial Imagery              |
| Jeff        | Yates        | DAT/EM Systems International                             | 3D software support         |