Deepwater Horizon Oil Spill (DWHOS)
Water Column Technical Working Group

Addendum #2 to:
NRDA Plankton Processing Plan – Analysis of Zooplankton Samples

April 15, 2013

Prepared by:
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Reviewed by:
NOAA: Dan Hahn (NOAA), Deborah French McCay (ASA)
Louisiana: Amanda Vincent (LDEQ)
BP: William Graeber, Jeffrey Simms (Cardno ENTRIX)

Except as amended herein, all provisions of the NRDA Plankton Processing Plan and Addendum #1 (July 26, 2012) remain in effect.

Objectives and Justification:
The Natural Resource Damage Assessment (NRDA) Plankton Processing Plan and Addendum #1 are currently being implemented by the laboratories listed in those documents. Given the number of samples, the complexity of the task, the time consumed in workplan development and approval, and the time remaining for task completion, increased plankton sample processing capacity is required.

This addendum addresses the need to add sample sorting and splitting capacity above and beyond that specified in the cooperative NRDA Plankton Processing Plan and Addendum #1. EcoAnalysts, Inc. has been selected to provide additional plankton processing capacity because it has qualified staff and equipment available to assist in processing plankton samples and is currently under contract with NOAA. EcoAnalysts has been assisting the Shoreline Technical Working Group with processing samples collected as part of the Deepwater Horizon NRDA since 2010 and is familiar with NRDA protocols.

EcoAnalysts is currently available to provide sorting, splitting, and data entry services as per the methodology described in the existing cooperative plan and addendum. This addendum identifies the additional resources to be provided by EcoAnalysts, tasks to be performed by EcoAnalysts and modifications to the on-going plankton sample processing to incorporate the use of EcoAnalysts.

Level of Effort:
EcoAnalysts has proposed to increase plankton processing capacity by the addition of six (6) sorters, one (1) lab manager, one (1) data entry technician, two (2) sample custodians, and one (1) project manager.

Scope of Work:
Whole, unprocessed plankton samples will be shipped under Trustee chain-of-custody (COC) from the LSU/Dade Moeller Inc. storage facility in Port Allen, LA, to the EcoAnalysts, Inc. sorting lab in Moscow, ID. EcoAnalysts will sort and split the plankton samples based on the protocol described in the existing cooperative plankton processing plan. The subsamples created by the sorting and splitting process will be assigned new sample IDs using the naming convention described in that plan. Sorted sub-samples will be transported under Trustee COC for continued processing pursuant to the plankton processing plan.

Deliverables:
EcoAnalysts will follow the reporting, documentation, and data delivery requirements as described in the NRDA Plankton Processing Plan.

Retention of Materials:
All imagery will be retained, along with any changes in processing software or results. All of this information will be maintained during all review steps in the process and stored in secure locations under Trustee control and will be provided to all parties as part of the data release process.

All materials associated with the collection or analysis of samples under these protocols or pursuant to any approved work plan, including any remains of samples and, including remains of extracts created during or remaining after analytical testing, must be preserved and disposed of in accordance with the preservation and disposal requirements set forth in Pretrial Orders ("PTOs") # 1, # 30, #35, # 37, #39 and #43 and any other applicable Court Orders governing tangible items that are or may be issued in MDL No. 2179 IN RE: Oil Spill by the Oil Rig "DEEPWATER HORIZON" (E.D. LA 2010). Destructive analytical testing of oil, dispersant or sediment samples may only be conducted in accordance with PTO # 37, paragraph 11, and PTO # 39, paragraph 11. Circumstances and procedures governing preservation and disposal of sample materials by the trustees must be set forth in a written protocol that is approved by the state or federal agency whose employees or contractors are in possession or control of such materials and must comply with the provisions of PTOs # 1, # 30, # 35, 37, #39 and #43.

Budget:
The Parties acknowledge that these budgets represent additional funds to the budgets listed in the NRDA Plankton Processing Plan, that they are estimates, and that actual costs may prove to be higher due to a number of potential factors. The costs indicated in the budget charts below and any additional reasonable costs within the scope of this workplan that may arise shall be reimbursed by BP upon receipt of written invoices submitted by the Trustees. The Trustees will make a good faith effort to notify BP in advance of any such increased costs.

EcoAnalysts Budget (6 months)
Sorting and splitting capacity: 500 plankton samples

Category	**Cost**
Labor	$245,049.04
Travel	$5,690.00
Other Direct Costs	$17,960.00
Total	**$268,699.04**

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Plan Date: April 15, 2013

Approvals

Approval of this work plan is for the purposes of obtaining data for the Natural Resource Damage Assessment. Parties each reserve its right to produce its own independent interpretation and analysis of any data collected pursuant to this work plan.

BP Approval	Joyce Mikey Printed Name	Joyce Mikey Signature	5/30/2013 Date
Federal Trustee Approval	Daniel Hahn Printed Name	Signature	5/9/13 Date
Louisiana Approval	Kordien Debusschere Printed Name	Signature	5/24/13 Date