

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

**Small Pelagics Addendum
to the
NRDA Nekton Processing Plan – Analysis of Nekton Samples**

September 7, 2012

Prepared by:

Eileen Graham (ASA) and David Wells (TAMU) on behalf of the Trustees

Reviewed by:

NOAA: Dan Hahn (NOAA), John Quinlan (NOAA), Deborah French McCay (ASA)

Louisiana: Amanda Vincent (LDEQ)

BP: William Graeber (CardnoENTRIX) and Jeffery Simms (CardnoENTRIX)

Except as amended herein, all provisions of the Natural Resource Damage Assessment (NRDA) Nekton Processing Plan remain in effect.

Objectives and Justification:

The Nekton Processing Plan is currently being implemented by the laboratories listed in the signed cooperative plan. Given the number of samples, the time consumed in workplan development and approval, and the time required for task completion, increased capacity is desired.

This addendum will allow processing to begin sooner for samples collected during the small pelagics cruise aboard the National Oceanographic and Atmospheric Administration (NOAA) Ship *McArthur II* during September-October 2011. David Wells [Texas A&M University, Galveston (TAMU)], who served as chief scientist for this cruise, will provide sorting and identification services as per the methodology described in the Nekton Processing Plan approved by the Trustees and BP earlier this year.

Scope of Work:

The *McArthur II* small pelagics cruise visited ten stations and sampled nekton in the upper water column using an epipelagic trawl. The samples are currently held at Alpha Analytical, Mansfield, MA. Upon approval of this addendum, whole, unprocessed small pelagics samples will be shipped under Trustee chain-of-custody (COC) to the Wells Lab in Galveston, TX. The Wells Lab will sort and identify the nekton samples following on the protocol in the existing cooperative Nekton Processing Plan; the lab will first sort and conduct counts of organisms at the family level and then follow with more refined species-level identifications and counts. Quality assurance and control on the counts and identifications will be conducted according to the procedures identified in the Nekton Processing Plan.

Deliverables:

The Wells Lab will follow the same reporting, documentation, and data delivery requirements as described in the Nekton Processing Plan. Quarterly progress reports, COCs, sample crosswalks, and lab confirmations will be uploaded to the NOAA NRDA Content Management System.

It is estimated that the family-level identifications will be completed 3 months from the commencement of work and species-level identifications will be completed another 12 months after the completion of the family-level identifications (or 15 months from the commencement of work).

Budget:

The Parties acknowledge that these budgets represent additional funds to the budgets listed in the NRDA Nekton 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 Addendum 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.

Budget for Wells Laboratory, TAMU

Category	Cost
Salaries & Fringe (PI at [REDACTED], 1 graduate student and 2 technicians at 100%)	\$69,115
Supplies	\$24,711
Travel	\$2,500
Shipping	\$2,500
Tuition	[REDACTED]
<i>Total Direct Costs</i>	[REDACTED]
<i>Total Indirect Costs</i> [REDACTED]	[REDACTED]
Total	\$143,418

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Approvals

Approval of this Addendum 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 Addendum.

BP Approval	<u>Joyce Miley</u> Printed Name	<u>Joyce Miley</u> Signature	<u>9/17/12</u> Date
Federal Trustee Approval	<u>Daniel Hahn</u> Printed Name	<u>[Signature]</u> Signature	<u>9/12/12</u> Date
Louisiana Approval	<u>KAROLEM DEBUSSCHELE</u> Printed Name	<u>[Signature]</u> Signature	<u>10/1/12</u> Date