

Mississippi Canyon 252

ADDENDUM: ASSESSMENT PLAN FOR TECHNICAL AND LOGISTICAL SUPPORT FOR U.S. DEPARTMENT OF THE INTERIOR DEEPWATER HORIZON / MC 252 OIL SPILL NATURAL RESOURCE DAMAGE ASSESSMENT

Approval of the *Addendum: Assessment Plan for Technical and Logistical Support for U.S. Department of the Interior Deepwater Horizon / MC 252 Oil Spill Natural Resource Damage Assessment* is for the purposes of coordinating the Department's assessment activities at the technical level. Each party reserves its right to produce its own independent interpretation and analysis of any data collected and/or managed pursuant to this work plan.

This plan will be implemented consistent with existing trustee regulations and policies. All applicable state and federal permits must be obtained prior to conducting work.

The trustees have developed a preliminary conceptual model of the DWH release, potential pathways and routes of exposure, and potential receptors. This preliminary model has informed the trustees' decision to pursue the studies for which data will be managed by this work plan. By signing this work plan and agreeing to fund the work outlined, BP is not endorsing the model developed by Trustees.

Department of the Interior Trustee Representative

Date

Louisiana Trustee Representative

Date

BP Representative

Date

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INTRODUCTION

This Addendum to *Assessment Plan for Technical and Logistical Support for U.S. Department of the Interior Deepwater Horizon/ MC 252 Oil Spill Natural Resource Damage Assessment* (“Addendum”) is part of the ongoing Natural Resource Damage Assessment (“NRDA”) for the Deepwater Horizon/Mississippi Canyon 252 (“MC 252”) Oil Spill (“Oil Spill”). Various field and analytical work plans have been developed and are continuing to be developed as part of the ongoing NRDA. The investigations performed pursuant to these work plans have been subject to Quality Assurance and Quality Control (QA/QC) activities to encourage data quality, specifically in data collection, management, storage and integration into work products, such as electronic databases and data reports resulting from MC 252 NRDA activities. In addition, analyses and interpretation of data collected throughout the course of the NRDA are being generated. Appropriate and accurate statistical analyses of these data are essential and many of these data sets may benefit from additional technical and/or expert statistical analyses beyond that provided by the various principal investigators and study leads. Co-ordination with co-trustees, as well as with BP on cooperative assessment activities, is ongoing for the assessment activities described within this plan.

The goals of this Addendum include contractor support to 1) manage the ongoing assessment activities both in the field and the analysis of data, 2) provide quality, validated data and supporting documentation to interested parties as quickly as possible, and 3) provide expert, technical support for peer review through analysis of data generated by various assessment activities. This Addendum is for all DOI-led assessment activities as part of the MC 252 Oil Spill NRDA and is not limited to a single resource (i.e., for the Avian studies, or the Turtle Nesting studies only).

ACTIVITIES

DOI leads several areas of the DWH NRDA (i.e., Bird Technical Team, Response Information Team) and leads activities within other areas of the assessment (i.e., Turtle assessment activities and Fish assessment activities). Separate NRDA activities led by other co-trustees are also integral to better understanding the effects of the Oil Spill on natural resources. In addition to ongoing analysis of data previously collected, several field and laboratory tasks are being conducted. For these ongoing activities, as well as the products of the activities and development of the Damages Assessment and Restoration Plan (“DARP”), DOI has identified the need for technical and logistical support to improve coordination and DARP development for those natural resources and their services over which DOI exercises trusteeship.

As part of the ongoing NRDA, several field and laboratory tasks are being conducted and several data types are being collected. These may include products of laboratory studies, objective observations, and measurements. Work Plans, Quality Assurance Project Plans and Sampling and Analysis Plans specified Data Quality Objectives for studies, observations and measurements, and included protocols for recording data on Field Data Sheets and for making entries into Field Logbooks. These Field Data

Sheet and Logbook entries include descriptions or observations of oil, the presence of ecological receptors, their condition and degree of oiling, and/or readings from field monitoring instruments. Observations and measurements recorded on Field Data Sheets and in Field Logbooks have been or are being transcribed into the electronic DOI DWH NRDA Database. Specifically, this Addendum provides for a Validation Coordinator to coordinate data validation efforts on a case-wide basis for DOI-lead work plans, and also on a study-specific (or dataset specific) level, to coordinate validation among the trustees, the principal investigators, and BP. The Validation Coordinator will also ensure a mechanism by which verified data sets are exchanged between the Trustees and BP as the first step towards cooperative data validation.

This Addendum also includes contractor support to review data analyses and inventory work plans, standard operating procedures, protocols, Quality Assurance Project Plans and Sampling and Analysis Plans and other related documentation developed pursuant to a NRDA approved work plan. This documentation effort will be fully coordinated with the Validation Coordinator with the goal of providing full supporting documentation as close to simultaneously with validated data to have a complete data set. Deliverables associated with this effort will be shared with BP, and BP will have the opportunity to comment.

Ongoing technical support for review of data analyses and facilitating peer review of results provides other technical assistance such as facilitating peer review of results.

OBJECTIVES

This Addendum seeks contractor support to accomplish the following:

1. Manage ongoing assessment activities both in the field and the analysis of data.
 - A. Provide technical and logistical support to the DOI DWH NRDA case team for the variety of DOI-led assessment activities. Logistical support includes coordinating ongoing and planned assessment activities with co-trustees and BP, as applicable and support and development of future work plans as needed. Logistical support also includes developing agendas and coordinating participations by the relevant individuals. Technical support includes both product development for parts of the assessment as well as review of analyses results. Technical support services also include incorporation of a peer review process for reports and findings developed as part of the assessment.
 - B. Oversee the distribution and review of technical reports developed as part of the Assessment, including the DARP. This technical and logistical task includes facilitating trustee and principal investigator interaction, and, where appropriate, interaction with BP.
 - C. Facilitate DOI's overall Deepwater Horizon NRDA Assessment, DARP development and operations—coordination and communication.
 - D. Facilitate data verification, validation and quality assurance and quality control activities on data collected pursuant to a NRDA field plan where DOI is the lead. This includes, but is not limited to:

1. Assist trustees to conduct transcription verification of data sets in the DOI DWH NRDA database, as needed.
2. Assist the trustees, principal investigators, and BP to conduct data validation for the NRDA datasets and provide documentation, as necessary, of the data validation process.

Timeline

As a result of the volume of assessment activities, the volume of data that have been collected and the need to timely analyze data and coordinate with co-trustees and BP, where appropriate, DOI anticipates that contractor support will be needed through 2014. This may include reaching consensus with BP on the priority ordering of data sets to be verified and validated, and/or identification of time-critical data fields (instead of full data sets) as an interim measure. Over time, this priority may change, based on the needs of the case and/or as data analysis continues.

BUDGET

The estimated contractor cost for this Addendum is \$1,967,560. The Parties acknowledge that this budget is an estimate, and that actual costs may prove to be higher. BP's commitment to fund this work includes any additional reasonable costs within the scope of this approved work plan that may arise. The trustees will make a good faith effort to notify BP in advance of any such increased costs.