

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   4	
2. AMENDMENT/MODIFICATION NO. 148	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. Not applicable	5. PROJECT NO. (If applicable)	
6. ISSUED BY Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601	7. ADMINISTERED BY (If other than Item 6) Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) MISSION SUPPORT ALLIANCE, LLC Attn: Mr. J. Frank Armijo 2490 Garlick Boulevard RICHLAND WA 99354		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)	
CODE 800095031 FACILITY CODE		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-09RL14728	10B. DATED (SEE ITEM 13) 04/28/2009	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

Not applicable

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) I.103 FAR 52.243-2 Changes - Cost Reimbursement with alternates and Section C.2.5.3 Portfolio Mgmt.

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

This modification revises Task Order 11-003 Consulting Support to HQ EM-2.1 to extend the period of performance to March 31, 2012. This task order was placed in accordance with contract C.2.5.3 Portfolio Management - Independent Assessment and Analysis. There is no change to the cost of this task order. Obligated funds for this task remain at \$294,037.

There is no change in the total contract amount as a result of this modification. This modification does not add additional funds to the contract. Accordingly, work under the Contract, such as described herein, must be performed within the amount of funds which have been allotted to the contract in accordance with Clause I.82 FAR 52.232.22 - Limitation of Funds (Apr 1984).

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) BRAD EDWARDS, DIR		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Gigi H. Branch Alan E Hopko	
15B. CONTRACTOR/OFFEROR Brad Edwards (Signature of person authorized to sign)	15C. DATE SIGNED 9/7/11	16B. UNITED STATES OF AMERICA Alan E. Hoyer (Signature of Contracting Officer)	16C. DATE SIGNED 09/07/2011 <del>09/02/2011</del>

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-AC06-09RL14728/148

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NAME OF OFFEROR OR CONTRACTOR  
MISSION SUPPORT ALLIANCE, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>By signature on this modification, the Contractor agrees to the following Contractor's Statement of Release:</p> <p>In consideration of this Modification 148 agreed to herein as complete equitable adjustment, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to this modification.</p> <p>There are no other changes to the terms and conditions of the contract.</p> <p>Period of Performance: 05/26/2009 to 05/25/2014</p>				

## **Task Order 11-003 (Rev 2)**

**Title:** Consulting Support to HQ EM-2.1 Associate Principal Deputy for Corporate Operations and the Office of Environmental Management

**Revision Number: 2**

**Start: February 1, 2011**

**Finish: March 31, 2012**

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### **1.0 DESCRIPTION**

**Task 1 Subject Matter Expert (SME) Technical and Programmatic Support to DOE Office of Environmental Management (EM) Headquarters (HQ) Principal Deputy Assistant Secretary for Corporate Operations in support of DOE's Clean-up Mission**

#### **SCOPE**

Provide independent review capability through March 31, 2012, including the following activities:

1. Development of lines of inquiry and presentation content/format requirements for DOE Cleanup Mission offices.
2. Participate in video teleconferences with DOE Cleanup Mission offices.
3. Review technical and programmatic information and other supporting documents.
4. Develop and present recommendations.
5. Perform other tasks as directed by DOE EM 2.1.

**Task 2 SME Technical and Programmatic Support to the Environmental Management Advisory Board (EMAB)**

#### **SCOPE**

Provide expert services in the assembly and preparation of data, previous reports, analyses, etc., that the Subcommittee will need as part of their effort.

Prepare analyses or conduct review as requested by the Technical Subcommittee to support their ability to develop recommendations to provide to the EMAB.

Travel to support the Technical Subcommittee meetings and assist with real-time requests for information as is feasible.

As desired by the Technical Subcommittee, prepare background and factual information for the Subcommittee's incorporation in their report which will include their recommendations.

The contractor will:

1. Low-Activity Waste Tc-99 and I-129 Management

The Subcommittee should evaluate strategies for Tc-99 and I-129 management on waste loading that could further extend the treatment mission and increase the life-cycle cost.

2. Low-Activity Waste Forms

Evaluate the advantages of alternate waste forms (to the current baseline of vitrified borosilicate glass at Hanford or grouted “salt stone” at SRS) by addressing Tc-99 and I-129 capture and contribution to lower life cycle costs.

3. Sodium and Sodium Management

Evaluate strategies for management of sodium within the Hanford Tank Waste inventory field and the supplemental addition of sodium hydroxide within the Waste Treatment and Immobilization Plant process flow sheet to improve plan performance and manage life cycle costs.

4. Life Cycle Cost and Schedule Changes

Evaluate the life cycle costs and challenges for alternatives to the baseline planning of vitrification and of supplemental low-activity waste capacity (Hanford) and/or minimizing life cycle costs by successfully implementing pretreatment capabilities to ensure that low-activity waste treatment is operated in a manner that matches high-level waste vitrification campaigns (SRS).

## 2.0 DELIVERABLES

### **Task 1 Subject Matter Expert (SME) Technical and Programmatic Support to DOE Office of Environmental Management (EM) Headquarters (HQ) Principal Deputy Assistant Secretary for Corporate Operations**

- a. Development of lines of inquiry and presentation content/format requirements for the field and HQ program offices. Due date: at the direction of EM 2.1.
- b. Participate in video teleconferences with the EM field/site offices and HQ – ongoing at the direction of EM 2.1.
- c. Review technical and programmatic information and other supporting documents – ongoing at the direction of EM 2.1.
- d. Develop and present recommendations. Due date: at the direction of EM 2.1.
- e. Perform other tasks within scope as directed by DOE EM 2.1. Due date: at the direction of EM 2.1.

## **Task 2 SME Technical and Programmatic Support to the Environmental Management Advisory Board (EMAB)**

a. Low-Activity Waste Tc-99 and I-129 Management

Due date: Review documents will be provided one week prior to each technical subcommittee meeting and recommendations will be provided one week following each technical subcommittee meeting.

b. Low-Activity Waste Forms

Due date: Review documents will be provided one week prior to each technical subcommittee meeting and recommendations will be provided one week following each technical subcommittee meeting.

c. Sodium and Sodium Management

Due date: Review documents will be provided one week prior to each technical subcommittee meeting and recommendations will be provided one week following each technical subcommittee meeting.

d. Life Cycle Cost and Schedule Changes

Due date: Review documents will be provided one week prior to each technical subcommittee meeting and recommendations will be provided one week following each technical subcommittee meeting.

### **2.0 ASSUMPTIONS AND CONSTRAINTS**

It is assumed that Longenecker & Associates will be the primary provider of consulting support to HQ EM-2.1, with support from others as needed.

1. The following table presents the labor hour estimates to accomplish the scope of work as described in each task above. Also included are assumptions for travel to meet the scope of work for each activity. These assumptions are the basis for the attached Cost Estimate to this Technical Proposal and reflect the requests to increase the staffing level of support.

As presented in MSA-1004609 R1, the original PMTO estimate hours and travel details are listed below:

<b>Task</b>	<b>Labor hours</b>	<b>Air Trips to Hanford</b>	<b>Air Trips to Augusta</b>	<b>Hotels nights</b>	<b>Day per diem</b>
Task 1	100	2	0	4	6
Task 2	360	3	3	12	15

The following table represents the increase in hours and travel in revision 1:

<b>Task</b>	<b>Additional Labor hours</b>	<b>Additional Air Trips</b>	<b>Additional Hotels nights</b>	<b>Additional Days per diem</b>
Task 1	221	1	3	4
Task 2	485	6	12	18

2. DOE will provide the schedule (including agenda) for each technical subcommittee meeting at least 15 calendar days prior.
3. Review documents will be provided one week prior to each technical subcommittee meeting and recommendations will be provided one week following each technical subcommittee meeting.