

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

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:

Task	Labor hours	Air Trips to Hanford	Air Trips to Augusta	Hotels nights	Day per diem
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:

Task	Additional Labor hours	Additional Air Trips	Additional Hotels nights	Additional Days per diem
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.