

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.	
034		02/11/2010		10EM001231	
5. PROJECT NO. (If applicable)		6. ISSUED BY		7. ADMINISTERED BY (If other than Item 6)	
		CODE 00601		CODE 00601	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
MISSION SUPPORT ALLIANCE, LLC Attn: FRANCISCO A. FIGUEROA 2490 Garlick Boulevard RICHLAND WA 99354		(X)			
CODE 800095031		FACILITY CODE		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.
X	I.103, FAR 52.243-2 Changes - Cost Reimbursement
	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:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ copies to the issuing office.

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

Subj to Retent: N

This change order incorporates the revised Contract Section C.2.1.7, Environmental Regulatory Management (Attachement 1), that incorporates the actions that Mission Support Alliance (MSA) is directed in its role to integrate/coordinate development of site-wide data and baseline information for categories specified below. This requirement arises from Executive Order 13514 "Federal Leadership in Environmental, Energy, and Economic Performance." It is anticipated that as DOE develops Orders and Contractor Requirements Documents, additional changes will be required.

In anticipation of data requests and requirements arising from Section 2 of Executive Order 13514 (<http://edocket.access.gpo.gov/2009/pdf/E9-24518.pdf>) for MSA and coordinate 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)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Alan E. Hopko	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		Alan E. Hopko (Signature of Contracting Officer)	02/12/2010

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
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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>development of site data, the MSA shall:</p> <p>Coordinate development of data on Scope 3 emissions from all site contractors to assist DOE in meeting the requirements in the Executive Order to establish goals for Scope 3 emissions reductions relative to a 2008 baseline by June 2, 2010. This scope includes development of a 2008 baseline for Scope 3 emissions for MSA.</p> <p>Develop data collection systems for collection of Scope 3 emissions for the 2008 baseline and for the annual reporting requirements for Scope 1, 2 and 3 GHG emissions (E.O. 13514 Section 2 (c)).</p> <p>MSA shall review and recommend improvements on the Scope 1 and 2 baseline emissions estimates developed by DOE.</p> <p>MSA will coordinate development of absolute Scope 1, 2 and 3 emissions data for a FY 2010 baseline for all site contractors (including MSA) and annual reporting of such emission thereafter. Note that annual reporting of such emissions will be required thereafter but the estimate of impacts only covers development of the 2010 Scope 1, 2, and 3 emissions estimates.</p> <p>MSA shall develop data collection systems such that baselines can be established and data tracked in subsequent years for:</p> <p>Scope 1, 2 and 3 Greenhouse Gas Emissions                      Fleet total consumption of petroleum products                      Potable water consumption intensity                      Non-potable water use efficiency                      Pollution prevention, including:</p> <ul style="list-style-type: none"> <li>o Diversion of non hazardous solid waste (no baseline)</li> <li>o Diversion of construction and demolition debris (no baseline)</li> <li>o Paper use (no baseline specified, but 30% postconsumer content required)</li> <li>o Reductions in use of hazardous and non-hazardous chemicals</li> <li>o Implementation of integrated pest management practices</li> <li>o DOE use of acceptable alternative chemicals and processes.</li> <li>o DOE use of chemicals where such decrease will</li> </ul> <p>Continued ...</p>				

**CONTINUATION SHEET**

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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>assist the DOE in meeting the GHG emission reduction targets of Executive Order 13514.</p> <p>MSA will coordinate development of baseline data for:</p> <p>Fleet total consumption of petroleum products (baseline 2005)</p> <p>Potable water consumption intensity (baseline 2007)</p> <p>Non-potable water use efficiency (baseline 2010)</p> <p>MSA is limited in this task by a not-to-exceed amount of \$35,000 from funds previously allotted to this contract in accordance with Clause B.3, Obligation and Availability of Funds prior to the definitization of this change order in accordance with the referenced clause.</p> <p>As required by clause I-103, FAR 52.243-2 Changes - Cost Reimbursement, please provide, in writing, the potential impact of compliance with this work scope within 30 days of receipt of this Change Order.</p> <p>FOB: Destination Period of Performance: 04/28/2009 to 04/28/2014</p>				

## Revised MSA Section C for implementation of E.O. 13514

The revisions noted in redline/strikeout are for the inclusion of EO 13514 coordination efforts in the scope of the MSA contract Section C.2.1.7, Environmental Regulatory Management.

### C.2.1.7 Environmental Regulatory Management

#### Background:

The Environmental Regulatory Management includes a multitude of interfaces, relationships and liaisons with a wide variety of regulatory agencies and organizations, including Washington State (Department of Health (DOH) and Department of Ecology (Ecology)), the U.S. Environmental Protection Agency. The major drivers for this scope include the TPA, AEA, *National Environmental Policy Act 1969 (NEPA)*, *Clean Air Act*, *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)*, *Resource Conservation and Recovery Act of 1976 (RCRA)*, *Toxic Substance Control Act*, *Administrative Procedure Act*, and a variety of other legal and regulatory requirements applicable to Hanford's operations.

The information generated by this scope of work is used by numerous projects within DOE-RL, DOE-ORP and DOE-PNSO. As such, the Contractor shall ensure that MSC activities are closely aligned with the needs of the environmental cleanup, restoration, and assessment activities on-going at Hanford. MSC is not responsible for directing technical work of other Site contractors. Other Hanford Site contractors are responsible for obtaining unit specific permit modifications in coordination with the MSC.

DOE is currently preparing the Tank Closure and Waste Management (TC & WM) Environmental Impact Statement (EIS). The TC & WM EIS is evaluating options for managing and disposing of waste, supplemental treatment, tank closure, and establishing final end states for the Fast Flux Test Facility (FFTF) at Hanford. These decisions are expected to be applied after 2009.

#### Key Customers:

- DOE-RL
- DOE-ORP
- DOE-PNSO
- All Hanford Site contractors

### General Scope and Outcome:

The Contractor shall establish an environmental program which is compliant with applicable laws, regulations, DOE directives, and the Section H Clause entitled, *Environmental Responsibility*. The Contractor shall have two (2) primary responsibilities in the area of Environmental Regulatory Management:

- Site-wide management, administration, integration, permitting, and compliance in coordination with other Hanford Site contractors;
- MSC-specific work scope for environmental permitting and compliance.

The MSC shall obtain concurrence from other affected Hanford Site contractors for Site-wide environmental documents.

The desired outcome of the Environmental Regulatory Management function is integrated Site-wide environmental products and services that enable timely and compliant project execution.

### Detailed Scope and Requirements:

#### *Site-wide Environmental Management System (EMS)*

In conjunction with other Hanford Site contractors and DOE, the Contractor shall develop a Site-wide EMS Program Management Plan to address Site-wide elements of EMS that complies with CRD O 450.1, *Environmental Protection Program*.

#### *Site-wide Environmental Permits and Licenses – Maintenance, Application, and Reporting*

In coordination with the other Hanford Site contractors, the Contractor shall:

- Develop guiding principles and procedures for a consistent administration of regulatory interfaces.
- Prepare and maintain appropriate procedures for implementing Site-wide environmental permits, licenses, and related reports.
- Prepare, obtain as required, and maintain Site-wide permits and licenses.
- Provide applicable data, review as requested, and prepare the necessary documentation for DOE Site-wide and/or programmatic NEPA documents, e.g., Site-wide Categorical Exclusions (CXs), Environmental Assessments (EAs), EISs, etc. and prepare the necessary documentation for other Site user NEPA documents where DOE might be tasked as a cooperating agency, e.g., USFWS EIS, Bonneville Power Administration (BPA) EIS, etc. The Contractor shall obtain from DOE and other Site contractors data and information necessary for developing the Site-wide NEPA documents for the Hanford Site.
- Provide a plan and schedule for submittal of required Site-wide Environmental Reports (e.g., NEPA Policy Act Annual Planning Summary for the Site, Environmental Release Report, etc.).

- Obtain from DOE and other Site contractors data and information necessary for developing required Site-wide Environmental Reports to include compilation and integration of environmental monitoring data from operations and activities under MSC control and from other Hanford Site Contractors.
- Compile, and produce environmental data and provide an annual forecast of expected permitting activities and a forecast of operations/operational effluent on a Site-wide basis to ensure Site-wide limits are not at risk of being exceeded, e.g., annual dose, effluent discharges, etc.
- As requested by DOE, the Contractor shall assess environmental documents to ensure the documents meet environmental standards and requirements.
- Develop Site-wide metrics and report performance for EMS programs, e.g., pollution prevention, chemical management, affirmative procurement, etc.

### *Site-wide Enforcement Actions and Compliance Issues*

The Contractor shall:

#### Enforcement Actions

- Track, trend, and evaluate Site-wide enforcement actions.
- Coordinate an integrated response when the enforcement action affects more than one contractor.
- Develop a protocol, in conjunction with other Hanford Site contractors for managing and coordinating enforcement inspections on a Site-wide basis.

#### Compliance Issues

- Track, trend, and evaluate Site-wide compliance issues, e.g., Notices of Violation (NOVs), Notices of Concern (NOCs), etc.
- Coordinate an integrated response when the compliance issue affects more than one contractor.

#### Inspection Actions

- With input from, and in collaboration with other Hanford Site Contractors, track all regulatory inspections conducted and planned at the Hanford Site. The Contractor shall provide data (automated or written) on all inspections and regulatory actions completed, initiated, or on-going at the Hanford Site. The Contractor shall trend and evaluate Site-wide inspections.

### *Site-wide Tri-Party Agreement (TPA) Technical Support*

In coordination with other Hanford Site contractors, the Contractor shall:

- Provide DOE technical and regulatory analysis to support DOE in its role of managing the TPA for the Hanford Site.

- Develop, maintain, and implement TPA processes and procedures, e.g., change control and dispute resolution.
- Track TPA milestones and coordinate Milestone Reviews.
- Coordinate the Inter-Agency Management Integration Team (IAMIT) and other TPA-related meetings, as requested (e.g., monthly Project Manager meetings, including issuing agendas and preparing meeting minutes).
- Assist DOE in dispute resolution.
- Develop and maintain a Site-wide TPA process for preparing Remedial Action Completion Reports and Corrective Measures Reports and requesting regulatory approval of waste site remediation, through a certificate of completion, in compliance with TPA Sections 7.3.10 and 7.4.4. The Contractor shall obtain advance approval or concurrence from DOE and coordinate with other affected Hanford Site contractors.

#### *Hanford Site Administrative Records (AR) and Information Repositories*

The Contractor shall establish, manage, and maintain integrated Hanford Site AR and Public Information Repositories which meet applicable requirements of the NEPA, TPA (e.g., CERCLA, RCRA, the *Administrative Procedure Act*), and other legal and regulatory requirements applicable to Hanford's environmental remediation and permitting programs.

In coordination with other Hanford Site contractors, the Contractor shall:

- Establish and maintain procedures for management/administration of the Hanford Site AR.
- Establish and maintain a document review process to screen documents to be included in the Hanford Site AR.
- Index, manage, retrieve and make available to the public Hanford Site AR records and data.
- Maintain a current, complete, easily searchable and retrievable electronic Hanford Site AR database.
- Maintain Public Information Repositories.
- Establish and maintain procedures for OUO review and OUO accessibility of AR documents.

#### Near-Field Monitoring

The contractor shall provide regulatory required environmental monitoring and near facility air quality (e.g., including noise level), and liquid effluents, and a statistical analysis in report form of site-wide sampling efficiency based on station placement and time series analysis (including thermo luminescent dosimeters (TLDs), Low-Vols, and biota).

#### *MSC-Specific Detailed Scope*

The Contractor shall:

- Integrate their environmental permitting and regulatory compliance activities with the Hanford Site-wide permitting and compliance framework by submitting to DOE for approval an MSC environmental compliance and protection plan.

- Manage all MSC-assigned facilities and activities to assure identification of and compliance with all applicable Federal, state, and local environmental regulations, orders and permits.
- Manage all non-EIS NEPA-related data and processes, as applicable to MSC activities, and obtain all appropriate approvals.
- Provide appropriate environmental data for MSC assigned facilities to support Hanford Site assessments, and for use in the Contractor's preparation of Hanford Site Environmental Reports.
- Respond to MSC related NOV's, NOC's, and other issues, as necessary.
- Obtain and manage all AR documents generated by the MSC as a result of permitting or closure of Hanford treatment, storage or disposal units (TSDs), recycling facilities, or as a result of CERCLA pre-remedial, remedial or post-remedial actions that are required by the TPA and other legal requirements, such as, RCRA, CERCLA and NEPA
- Evaluate the impacts of new environmental laws, legislations and regulations, including State and local requirements, and include an assessment of the cost impacts or savings associated with implementation and promptly notify DOE of results.
- Collect environmental analytical data for MSC assigned areas to support regulatory decisions as directed by DOE.
- Provide a forecast for the Annual and Multi-year Baseline any environmental permits, NEPA documents, and NHPA section 106 reviews expected for the coming year.
- Coordinate with the regulators to develop an optimum regulatory approach for all work under this Contract consistent with the Section H Clause entitled, *Environmental Responsibility*.
- Perform assessment of the Hanford Site ARs to determine the adequacy of ARs to meet regulatory requirements and propose corrective actions and a schedule for implementation.
- In anticipation of data requests and requirements arising from Section 2 of Executive Order 13514 (<http://edocket.access.gpo.gov/2009/pdf/E9-24518.pdf> ) for MSA and coordinate development of site data, the MSA shall:
  - Coordinate development of data on Scope 3 emissions to assist DOE in meeting the June 2, 2010 requirement to establish goals for Scope 3 emissions reductions relative to a 2008 baseline. This scope includes development of a 2008 baseline for Scope 3 emissions for MSA
  - MSA shall develop data collection systems for collection of Scope 3 emissions for the 2008 baseline and for the annual reporting requirements for Scope 1, 2 and 3 GHG emissions (E.O. 13514 Section 2 (c)).
  - MSA shall review and recommend improvements on the Scope 1 and 2 baseline emissions estimates developed by DOE.
  - MSA will coordinate development of Scope 1, 2 and 3 emissions for a FY 2010 baseline for all site contractors (including MSA) and annual reporting of such emission thereafter. The FY 2010 baseline is due January 5, 2011, and reporting thereafter is due January 31<sup>st</sup> for the preceding fiscal year.
- MSA shall develop data collection systems such that baselines can be established and data tracked for:
  - Fleet total consumption of petroleum products
  - Potable water consumption intensity
  - Non-potable water use efficiency

- Pollution prevention
  - Diversion of non hazardous solid waste (no baseline)
  - Diversion of construction and demolition debris (no baseline)
  - Reducing paper use (no baseline specified, but 30% postconsumer content required)
  - Reductions in use of hazardous and non-hazardous chemicals
  - Implementation of integrated pest management practices
  - DOE use of acceptable alternative chemicals and processes.
  - DOE use of chemicals where such decrease will assist the DOE in meeting the GHG emission reduction targets of Executive Order 13514.
- MSA will coordinate development of baseline data for:
  - Fleet total consumption of petroleum products (baseline 2005)
  - Potable water consumption intensity (baseline 2007)
  - Non-potable water use efficiency (baseline 2010)

#### Boundaries, Constraints and Interfaces:

The boundaries and constraints include:

- The initial Hanford RCRA Permit became effective in September 1994, and is comprised of two portions, a Dangerous Waste Portion, issued by Ecology, and a Hazardous and Solid Waste Amendments Portion, issued by the U.S. Environmental Protection Agency, Region 10. The Dangerous Waste Permit is issued to DOE-RL as the owner/operator, and to its contractors, as co-operators. DOE will sign the Hanford RCRA permit as “Owner/Operator” and the Contractor shall sign the RCRA Permit as “Co-operator” for those RCRA facilities assigned by Contract. This Permit is currently in the renewal process.
- The Hanford Air Operating Permit was renewed on January 1, 2007, and will be in effect for five (5) years.
- DOE will operate as an “Owner” in coordination with the regulators to reach agreement on Contractor-prepared regulatory and supporting documentation, and on innovations that require changes to the regulatory approach.

Contractor interfaces include DOE-RL, DOE-ORP, DOE-PNSO (for activities performed on the Hanford Site), Hanford Site contractors, regulators, and at the request of DOE, stakeholders, concerned public, and the Tribal Nations. These interactions depend on establishing and maintaining a high-level of trust between the participating parties. In addition to satisfying DOE-RL responsibilities, these relationships have identified and resolved potential issues in some cases early in the process, resulting in both an improved product and cost savings. Due to the sensitivity of the type of work and information associated with the affected projects, DOE values these relationships and expects the Contractor to maintain or enhance them.

#### Government-Furnished Services and Information:

DOE will provide access to all active permits, license, databases, MOAs, MOUs, agreements with other Federal, state, and local agencies and the Tribal Nations for the protection of environmental, cultural, and historical resources.

DOE will coordinate with the regulators to reach agreement on Contractor-prepared regulatory and supporting documentation, and on innovations that require changes to the regulatory approach. The Contractor shall not assume that each innovation will result in a change to the regulatory approach.

DOE will review, approve, and/or certify as required, all regulatory and supporting documentation.

Deliverables:

Deliverable	DOE		Contract Deliverable Due
	Action	Response Time	
Annual plan and schedule for environmental reports to be submitted to DOE during the upcoming year (e.g., NEPA Policy Act Annual Planning Summary for the Site, Environmental Release Report etc.)	Approve	30 days	60 days, and annually thereafter by November 1
Submittal of Environmental Reports	Review	30 days	Per approved DOE schedule and required regulatory dates
Report of TPA milestone status and TPA performance statistics.	Review	30 days	Monthly
Minutes of milestone review meetings, IAMIT meetings, project manager meetings, and TPA milestone negotiations	Approve	30 days	15 days after meeting
Hanford AR Index	Approve	30 days	Annually, by September 30
AR Certification Reports	Approve	30 days	Annually, by September 30
Licenses, Permit Applications, Permit related documents	Approve	30 days	As required
Environmental Protection and Compliance Plan	Approve	30 days	As required
Site-wide EMS Program Management Plan	Approve	30 days	180 days

<b>Deliverable</b>	<b>DOE</b>		<b>Contract Deliverable Due</b>
	<b>Action</b>	<b>Response Time</b>	
Hanford Site EMS goals and metrics	Approve	30 days	Annually, by December 15