

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 8	
2. AMENDMENT/MODIFICATION NO. 0797		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. Not Applicable	
6. ISSUED BY Richlands Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN H5-20 Richland WA 99352		CODE 893039		5. PROJECT NO. (If applicable) 00601	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Mission Support Alliance, LLC Attn: ROBERT MILLER POST OFFICE BOX 650 RICHLAND WA 99352		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 010605464		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		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 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 electronic communication 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 letter or electronic communication, provided each letter or electronic communication 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 data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF Clause C.2.5.3, Clause I.103 FAR 52.243-2 Alt II (a) (1) and by mutual agreement
	D. OTHER (Specify type of modification and authority)

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 Portfolio Management Task Order (PMTO) 19-002, which was previously incorporated into the contract in Modification 780. The revision extends the PMTO period of performance through June 30, 2019, but makes no change to the cost or fee negotiated in Modification 780.

Attachment 1 - Section J Table of Contents

Attachment 2 - Section J-16 PMTO 19-002 Rev. 1

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 - Continued ...

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

15A. NAME AND TITLE OF SIGNER (Type or print) ROBERT MILLER / PRIME CONTRACTS Dir.		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Timothy E. Corbett	
15B. CONTRACTOR/OFFEROR Robert Miller (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	
15C. DATE SIGNED 5/13/19		16C. DATE SIGNED 5/14/2019	

Previous edition unusable

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC06-09RL14728/0797PAGE
2OF
8

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>Limitation of Funds (Apr 1984).</p> <p>By signature on this modification, the Contractor agrees to the following Contractor's Statement of Release:</p> <p>In consideration of this Modification 797, 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>Payment:</p> <p>Period of Performance: 05/26/2009 to 11/25/2019</p>				

PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
SECTION J -- LIST OF ATTACHMENTS
TABLE OF CONTENTS

Attachment Number	Title of Attachment	Revision Number	Pages
J-1.	ABBREVIATIONS AND ACRONYM LIST	000	4
J-2.	REQUIREMENT SOURCES AND IMPLEMENTING DOCUMENTS	772	9
J-3.	HANFORD SITE SERVICES AND INTERFACE REQUIREMENTS MATRIX	772	109
J-4.	PERFORMANCE EVALUATION AND MEASUREMENT PLAN		
a	FY 2010 PERFORMANCE EVALUATION & MEASUREMENT PLAN	052	19
b	FY 2011 PERFORMANCE EVALUATION & MEASUREMENT PLAN	145	10
c	FY 2012 PERFORMANCE EVALUATION & MEASUREMENT PLAN	215	13
d	FY 2013 PERFORMANCE EVALUATION & MEASUREMENT PLAN	298	10
e	FY 2014 PERFORMANCE EVALUATION & MEASUREMENT PLAN	394	20
f	FY 2015 PERFORMANCE EVALUATION & MEASUREMENT PLAN	466	11
g	FY 2016 PERFORMANCE EVALUATION & MEASUREMENT PLAN	482	9
h	FY 2017 PERFORMANCE EVALUATION & MEASUREMENT PLAN	672	9
i	FY 2018 PERFORMANCE EVALUATION & MEASUREMENT PLAN	769	30
j	FY 2019 PERFORMANCE EVALUATION & MEASUREMENT PLAN	737	30
J-5.	PERFORMANCE GUARANTEE AGREEMENT	667	9
J-6.	SMALL BUSINESS SUBCONTRACTING PLAN	774	11
J-7.	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM TARGETS	000	2
J-8.	ADVANCE UNDERSTANDING OF COSTS	772	10
J-9.	SPECIAL FINANCIAL INSTITUTION ACCOUNT AGREEMENT	716	10
J-10.	WAGE DETERMINATIONS – SERVICE CONTRACT ACT, DAVIS-BACON ACT, AND COLLECTIVE BARGAINING AGREEMENTS	758	35
J-11.	CONTRACT DELIVERABLES	765	22

J-12.	GOVERNMENT FURNISHED SERVICES AND INFORMATION	134	4
J-13.	HANFORD SITE STRUCTURES LIST	729	19
J-14.	HANFORD WASTE SITE ASSIGNMENT LIST	729	61
J-15.	Be SAMPLING PROTOCOL FOR BUILDINGS	059	5
J-16.	PORTFOLIO MANAGEMENT TASK ORDERS		
	Task 09-001 Hammer Budget Analysis	006	1
	Task 11-001 200W Pump & Treat Independent Review	077	1
	Task 11-002 Assessment of the 618-10 Burial Ground Characterization	080	2
	Task 11-003 Consulting Support to HQ EM-2.1	148	5
	Task 11-004 PIC Support for Project Controls System Description	144	3
	Task 12-001 Project Management and Project Controls Support for the River Corridor Closure Project	157 220	2
	Task 12-002 PMB review support to the Plutonium Finishing Plant Project	159	1
	Task 13-001 Project Management and Project Controls Support for the River Corridor Closure Project	223	2
	Task 13-002 DOE-HQ Security Systems Review and Assessment	280	2
	Task 13-003_R1 DOE-RL AMB HGET Training Approval Process SIA	310 347	2
	Task 13-004 DOE-RL Groundwater Sampling Structured Improvement Activity	306	2
	Task 14-001 - Project Management / Project Controls Support	323	2
	Task 14-002 – Cultural Resources Support	353	2
	Task 14-003 – AMSE Business Rhythms & Reporting Workshop	358	2
	Task 14-004 - DOE-HQ Human Resources Staffing Process Structured Improvement Activity	398	2
	Task 14-004, Rev 2 – DOE HQ Human Resources Staffing Process Structured Improvement Activity	456	3
	Task 14-005 River Corridor Contract Change Process Structured Improvement Activity	410	2
	Task 15-001 River Corridor Division PBS 41 Project Management/Project Controls Support	410	2
	Task 15-002 Office of River Protection Project Dashboard Solutions	432	3
	Task 15-002 Rev 1 Office of River Protection Project Dashboard Solutions Phase 2a	457	2
	Task 15-002 Rev 2 Office of River Protection Project Dashboard Solutions Phase 3	471 478	2
	Task 15-004 Nuclear Safety Division Safety Basis Review and Approval Process Structured Improvement Activity	459	2

	Task 16-001 River Corridor Division PBS 41 Project Management/Project Controls support	483	2
	Task 16-002 Hanford Property Management Structured Improvement Activity	523	2
	Task 16-003 DOE CERCLA Structured Improvement Activity	528	2
	Task 17-001 Hanford Site-Wide Contractor Assurance System Implementation Support	597	5
	Task 17-001 Rev. 1 Hanford Site-Wide Contractor Assurance System Implementation Support	632	5
	Task 18-001 Hanford Site-Wide Contractor Assurance System Implementation Support Phase 2	648	4
	Task 18-002 Rev. 2 Plutonium Finishing Plant Expert Panel	707	3
	Task 19-001 Hanford Site-Wide Contract Assurance System Implementation Support Phase 3	741	4
	Task 19-002 Rev. 1 Provide a recognized Expert in Best Basis Inventory and Waste Processing / Flowsheet Modeling and Analysis in Support of Mission Integration and Strategic Planning at ORP	797	3
	Task 19-003 Development of National Park Operations Contract (NPOC) and Collections Management Contract	784	3

Portfolio Management Task Order 19-002

Title: PMTO 19-002 – Provide a recognized Expert in Best Basis Inventory and Waste Processing / Flowsheet Modeling and Analysis in Support of Mission Integration and Strategic Planning at ORP

Revision Number: 1

Date: February 26, 2019

Start: February 27, 2019

Finish: June 30, 2019

1.0 DESCRIPTION

Mission Support Alliance (MSA) Portfolio Management (PFM) will provide the United States Department of Energy (DOE), Office of River Protection (ORP), Mission Integration Office with support for the following tasks:

Task 1: Strategic Planning Involvement, Advice, and Support

MSA will develop model scenarios and calculations as requested by ORP's Strategic Planning team, and participate in strategic planning discussions and events, including but not limited to:

- a. Solubility modeling, flowsheet modeling, process modeling, and calculations as requested by ORP;
- b. Attendance at National Academy of Science reviews; and
- c. Preparation of data supporting presentations for management, headquarters, regulators, and stakeholders regarding waste constituents and treatment strategies.

This operational scope includes all Hanford tanks, Inactive Miscellaneous Underground Storage Tanks (IMUSTs), tank farms, waste management areas, as well as projects currently in construction such as Tank Side Cesium Removal and Waste Treatment and Immobilization Plant. The scope also includes advice regarding future projects such as (but not limited to) Waste Receiving Facilities, Tank Waste Staging and Characterization capability, modular treatment technologies, and transfer lines.

A strong interface between ORP's Strategic planning team and DOE Richland Operations Office's Soil and Groundwater Division will be pursued, as the organizational scope is closely related and the strategy and external messaging between the two organizations should be in lockstep. Interface with Consortium for Risk Evaluation and Stakeholder Participation (CRESP) will be sought as that interface is also crucial as they have parallel and closely related scope. Ideally, the results of the CRESP and the ORP efforts will closely align.

Task 2: Mission Integration in support of the Direct Feed of Low-Activity Waste (DFLAW) Mission

MSA will augment ORP's process engineering staff and assist with flowsheet challenges as they arise. As an example of what this may entail, current challenges to the DFLAW flowsheet include:

- a. Several constituents that may build up over time in the Effluent Management Facility (EMF) evaporator concentrate stream, which recycles to the LAW facility melters;
- b. Constituents in the EMF's evaporator condensate stream that exceed Liquid Effluent Retention Facility / Effluent Treatment Facility (LERF/ETF) waste acceptance criteria;
- c. Controls imposed by the LAW Documented Safety Analysis that may limit feed to Waste Treatment Plant in the out-years of the DFLAW mission; and
- d. Constituents that are not expected to be captured in glass or in the secondary offgas treatment within LAW that could impact the Integrated Disposal Facility Performance Assessment results.

Risk mitigation strategies will be developed as these challenges arise, and will require a firm understanding of the entire flowsheet to ensure all impacts are understood and addressed. These risk mitigation strategies will also require careful and consistent coordination between contractors to mitigate risks in the best interest of the government and to optimize mission in terms of safety, schedule, and cost to the government.

Task 3: Support to ORP - Tank Farms project

MSA will provide technical advice and support to ORP's Tank Farms management staff as requested. Documents and products developed during the Strategic Planning and Mission Integration processes will be treated as pre-decisional to inform internal working discussions and labeled as such, unless otherwise requested by ORP.

MSA will ensure that the work effort is performed in a competent, professional manner that meets established milestones and delivery schedules as coordinated with the Mission Integration Office. Work products will be thorough, accurate, appropriately documented, and comply with established criteria. Deliverables, as may be required, will be produced using Microsoft Office products such as Word, Excel, Project, Visio, and PowerPoint, as appropriate along with Primavera P6.

MSA will ensure that the qualified Subject Matter Experts supporting these task possess the following educational and professional experience:

- A Bachelor's degree in a technical or scientific field. A Master of Business Administration degree is highly desired;
- Direct technical experience supporting DOE and/or DOE prime contractors in the development of mission analysis, system planning, optimization modeling, and scenario development and options analysis;
- Working knowledge of DOE Environmental Management missions and activities;
- Experience with Hanford liquid waste disposition strategies;
- Excellent communications skills; and
- Must be a U.S. Citizen.

2.0 DELIVERABLES

Deliverables: To be determined at a later date.

3.0 ASSUMPTIONS AND CONSTRAINTS

- Travel is not planned at this time. If travel is required, the portfolio management task order will be revised accordingly.
- Work performed under the Mission Support Contract (MSC) will conclude **June 30, 2019**. For DOE planning purposes, a rough order of magnitude estimate of \$70,000 is provided for the remainder of fiscal year 2019.
- Deliverables will be determined at a later date but will not extend beyond the current completion date of June 30, 2019.
- Services will be provided for approximately 10 hours per week for each of the individuals involved. Prior written authorization will be requested from the Contracting Officer for all additional hours and the additional hours will be coordinated with ORP in advance. After hour or weekend support must be coordinated in advance including impact to cost and/or schedule.
- It is understood that the following individuals are allowed to request services on this task order:
 - *Timothy Corbett*
 - *Stephanie Hargroves*