

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 189	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603	7. ADMINISTERED BY (If other than Item 6) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 MS: H6-60 Richland WA 99352	CODE 00603
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WASHINGTON RIVER PROTECTION SOLUTIONS LLC Attn: KAREN VACCA C/O URS ENERGY & CONSTRUCTION, INC. PO BOX 73 / 720 PARK BLVD BOISE ID 837290073		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 806500521	FACILITY CODE	X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-08RV14800	10B. DATED (SEE ITEM 13) 05/29/2008

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)

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).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-2, Changes-Cost Reimbursement (AUG 1987)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 2 copies to the issuing office.

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

The purpose of this modification is to revise Contract Sections C, I and J. See continuation pages.

Period of Performance: 06/20/2008 to 09/30/2013

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) Charles Simpson / WRPS Contract Mgr	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) SUSAN JOHNSON, CO
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)
15C. DATE SIGNED 12-31-12	16C. DATE SIGNED 1/2/13

Purpose of Modification:

The following changes are hereby incorporated into the contract:

1. The following changes are being made in accordance with FAR 52.243-2, Changes-Cost Reimbursement:

Update Section C, Statement of Work, C.2, Description of Project Performance Requirements, to change the due date for Deliverable C.2.3.2-1, WTP Operational Readiness Support Plan, from September 30, 2012, to September 30, 2013, with no cost impact to the contract.

2. The following changes are being made in accordance with FAR 52.243-2, Changes-Cost Reimbursement:

Update Section C, Statement of Work, C.3, Description of Project Support Performance Requirements, to revise paragraph three of C.3.2.4, Quality, with no cost impact to the contract. The change is as follows:

FROM:

The Contractor shall develop, submit for DOE-ORP approval, and implement an *Assurance System Description* (Deliverable C.3.2.4-2) to identify and address program and performance deficiencies, opportunities for improvement, provide the means and requirements to report deficiencies to the responsible managers and authorities, establish and effectively implement corrective and preventive actions, and share lessons learned across all aspects of the workscope. The Contractor shall annually update and re-submit the *Assurance System Description* to DOE-ORP for approval.

TO:

The Contractor shall develop, submit for DOE-ORP approval, and implement an *Assurance System Description* (Deliverable C.3.2.4-2) that includes assignment of management responsibilities and accountabilities and provides evidence to assure both the Department of Energy (DOE) and the contractor management that work is being performed safely, securely, and in compliance with all requirements; risks are being identified and managed; and that the systems of control are effective and efficient. The Contractor shall update and re-submit the *Assurance System Description* to DOE-ORP for approval when significant assurance system changes are made.

3. Update Section I, Contract Clauses, I.103, FAR 52.243-2, Changes – Cost Reimbursement (Aug 1987) to revise Alternate IV to Alternate V, with no cost impact to the contract. The change is as follows:

FROM:

I.102	FAR 52.242-13	Bankruptcy (Jul 1995)	None
I.103	FAR 52.243-2	Changes – Cost Reimbursement (Aug 1987) – Alternate II (Apr 1984), Alternate III (Apr 1984), and Alternate IV (Apr 1984)	None
I.103A	FAR 52.243-6	Change Order Accounting (Apr 1984)	None

TO:

I.102	FAR 52.242-13	Bankruptcy (Jul 1995)	None
I.103	FAR 52.243-2	Changes – Cost Reimbursement (Aug 1987) – Alternate II (Apr 1984), Alternate III (Apr 1984), and Alternate V (Apr 1984)	None
I.103A	FAR 52.243-6	Change Order Accounting (Apr 1984)	None

4. The following change is being made in accordance with Contract Clause I-140, DEAR 970.5204-2, Laws, Regulations and DOE Directives:

Update Section J, Attachment J.2, Requirements Sources and Implementing Documents, to add U.S. Department of Energy (DOE) Order (O) 241.1B, Scientific and Technical Information Management, with no cost impact to the contract. The change is as follows:

FROM:

DOE N 234.1	Reporting of Radioactive Sealed Sources
DOE O 241.1A, Chg 1	Scientific and Technical Information Management
DOE O 243.1	Records Management Program

TO:

DOE N 234.1	Reporting of Radioactive Sealed Sources
DOE O 241.1B	Scientific and Technical Information Management

DOE O 243.1	Records Management Program
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5. The following change is being made in accordance with DEAR 970.5204-2, Laws, Regulations and DOE Directives:

Update Section J, Attachment J.2, Requirements Sources and Implementing Documents, to add DOE O 471.6, Information Security, with no cost impact to the contract. The change is as follows:

FROM:

DOE M 471.3-1	Manual for Identifying and Protecting Official Use Only Information
DOE O 475.1	Counterintelligence Program

TO:

DOE M 471.3-1	Manual for Identifying and Protecting Official Use Only Information
DOE O 471.6	Information Security
DOE O 475.1	Counterintelligence Program

6. The following change is being made in accordance with DEAR 970.5204-2, Laws, Regulations and DOE Directives:

Update Section J, Attachment J.2, Requirements Sources and Implementing Documents, to add DOE O 475.2A, Identifying Classified Information, with no cost impact to the contract. The change is as follows:

FROM:

DOE O 475.1	Counterintelligence Program
DOE O 475.2	Identifying Classified Information
DOE M 475.1-1B	Manual for Identifying Classified Information
DOE O 522.1	Pricing of Departmental Materials and Services

TO:

DOE O 475.1	Counterintelligence Program
DOE O 475.2A	Identifying Classified Information
DOE M 475.1-1B	Manual for Identifying Classified Information
DOE O 522.1	Pricing of Departmental Materials and Services

7. The following change is being made in accordance with DEAR 970.5204-2, Laws, Regulations and DOE Directives:

Update Section J, Attachment J.2, Requirements Sources and Implementing Documents, to remove DOE Manual (M) 475.1-1B, Manual for Identifying Classified Information, with no cost impact to the contract. The change is as follows:

FROM:

DOE O 475.2	Identifying Classified Information
DOE M 475.1-1B	Manual for Identifying Classified Information
DOE O 522.1	Pricing of Departmental Materials and Services

TO:

DOE O 475.2	Identifying Classified Information
DOE O 522.1	Pricing of Departmental Materials and Services

8. **Attached to this modification are replacement pages for the following sections:**

- Section C, Pages C-50 and C-67
- Section J, Table of Contents, Page J-1
- Section J, Attachment J.2, Pages J.2-6 and J.2-8
- Section I, Contract Clauses, Page I-5

9. **All other Terms and Conditions remain unchanged.**

Attachment 1

DE-AC27-08RV14800, MODIFICATION 189

Replacement Pages

(Total: Seven [7] including this Cover Page)

- Section C, Pages C-50 and C-67
- Section J, Table of Contents, Page J-1
- Section J, Attachment J.2, Pages J.2-6 and J.2-8
- Section I, Contract Clauses, Page I-5

C.3.2.4 Quality

The Contractor shall develop, submit for DOE-ORP approval, and implement a *Quality Assurance Program Description* (Deliverable C.3.2.4-1) that describes the overall implementation of DOE quality assurance (QA) requirements. The QAP shall be applied to all (not just ES&H) work performed by the Contractor. The Contractor shall obtain DOE-ORP approval for *Quality Assurance Program Description* updates as required.

The *Quality Assurance Program Description* shall implement the requirements of:

- 10 CFR 830 Nuclear Safety Management, Subpart A, *Quality Assurance Requirements*;
- DOE O 414.1C, *Quality Assurance*;
- DOE/CBFO-94-1012, *DOE Carlsbad Field Office, Quality Assurance Program Description*, Revision 8, for WIPP-related activities;
- DOE/RW-0333P, *DOE Office of Civilian Radioactive Waste Management, Quality Assurance Requirements and Description*, Revision 18, for activities related to disposal at Yucca Mountain; and
- ASME NQA-1-2004 (or latest edition and addenda), *Quality Assurance Requirements for Nuclear Facility Applications*, as the national consensus standard for TOC workscope implementing QA Criteria of 10 CFR 830 Subpart A and O 414.1C. The Contractor shall implement Parts I and II of the NQA-1 standard and indicate within the QA Program those portions of NQA-1 Parts III and IV that are applied to Contractor's workscope. If additional standards are required to address unique/specific work activities, the standards shall be identified within the Contractor's QA Program.

The Contractor shall develop, submit for DOE-ORP approval, and implement an *Assurance System Description* (Deliverable C.3.2.4-2) that includes assignment of management responsibilities and accountabilities and provides evidence to assure both the Department of Energy (DOE) and the contractor management that work is being performed safely, securely, and in compliance with all requirements; risks are being identified and managed; and that the systems of control are effective and efficient. The Contractor shall update and re-submit the *Assurance System Description* to DOE-ORP for approval when significant assurance system changes are made.

The Contractor shall use a "zero-threshold" issue reporting system to capture, in one system, the issues raised across all Contractor organizations and working levels.

C.3.2.5 Event Reporting and Investigation

The Contractor shall report all environmental, safety, and health events and information as required in DOE M 231.1-1A, *Environment, Safety, and Health Reporting*; DOE O 450.1, *Environmental Protection Program*; and DOE O 5400.5, *Radiation Protection of the Public and the Environment*. The Contractor shall flow down the applicable reporting requirements to all levels of self-performed work and all tiers of subcontracted work performance. The Contractor shall consolidate all information and serve as a single point of reporting to DOE for all environmental, safety, and health events and information associated with the Contractor's workscope.

The Contractor shall support all Type A and Type B accident investigations for accidents on all self-performed and subcontracted levels of work performance, as required in DOE O 225.1A,

Deliverable Number	Deliverable	DOE-ORP		Deliverable Due Date ²
		Action	Response Time ³	
C.2.3.2-1	WTP Operational Readiness Support Plan (Jointly submitted with the WTP Contractor as WTP deliverable 5.22)	Approve	30 days	9/30/13 with updates as required
C.2.3.3-1	Hanford Spent Nuclear Fuel and Immobilized High Level Waste Interim Storage Alternatives Analysis	Information	N/A	180 days after sub-CLIN Notice to Proceed
C.2.4.1-1	DBVS Construction, Testing, and Operations Plan	Approve	30 days	180 days after contract Notice to Proceed
C.2.4.1-2	DBVS Pilot Plant and Vitrified Waste Form Performance Test Plan	Approve	30 days	360 days after contract Notice to Proceed
C.2.4.1-3	DBVS Pilot Plant and Vitrified Waste Form Performance Results	Review	30 days	90 days following completion of DBVS operations
C.2.4.1-4	Recommendation on the Viability of the Bulk Vitrification Waste Treatment Technology	Approve	30 days	120 days following completion of DBVS operations
C.2.4.1-5	Comparative Analysis of Supplemental Treatment Technologies	Review	30 days	360 days following completion of DBVS operations
C.2.4.1-6	Recommendation to Re-Permit DBVS	Approve	30 days	360 days following completion of DBVS operations
C.2.4.2-1	Cost and Schedule Estimate for the Extended Operations of the Demonstration Bulk Vitrification System	Approve	30 days	180 days following DOE-ORP approval of Deliverable C.2.4.1-6
C.2.4.2-2	Extended Operations of the DBVS Final Design Modifications and Feed Acceptance Specifications	Approve	30 days	360 days following DOE-ORP approval of Deliverable C.2.4.1-6
C.2.4.2-3	Extended Operations of the DBVS Sampling and Analysis Plan	Approve	30 days	360 days following DOE-ORP approval of Deliverable C.2.4.1-6
C.2.5.1-1	ETF/LERF Transition Plan	Approve	30 days	180 days after Notice to Proceed
C.2.5.4-1	WTP LAW Facility Operating and Product Specifications	Approve	30 days	Upon completion of certification of WTP LBL Cold Commissioning
C.3.1.2.2-1	TOC Project Performance Measurement Baseline	Approve	45 days	June 30, 2009 with updates as required
C.3.1.2.3-1	TOC Project Performance Measurement Baseline Change Control Process	Approve	30 days	120 days after contract Notice to Proceed with updates as required

Clause No.	FAR/DEAR Reference	Title	Fill-In Information (see FAR 52.104(d))
I.79	FAR 52.232-12	Advance Payments (May 2001) Alt II (May 2001) (<i>see full text version in Section I</i>)	(a), (b), (c) (e), (p) (8), (13), (14). Fill-in information is underlined in full text
I.80	FAR 52.232-17	Interest (Jun 1996)	None
I.81	FAR 52.232-18	Availability of Funds (Apr 1984)	None
I.82	FAR 52.232-22	Limitation of Funds (Apr 1984)	None
I.83	FAR 52.232-24	Prohibition of Assignment of Claims (Jan 1986)	None
I.84	FAR 52.232-25	Prompt Payment (Oct 2003) – Alternate I (Feb 2002)	None
I.85	FAR 52.232-33	Payment of Electronic Funds Transfer –Central Contractor Registration (Oct 2003)	None
I.86	FAR 52.233-1	Disputes (Jul 2002) – Alternate I (Dec 1991)	None
I.87	FAR 52.233-3	Protest After Award (Aug 1996) – Alternate I (Jun 1985)	None
I.88	FAR 52.233-4	Applicable Law for Breach of Contract Claim (Oct 2004)	None
I.89	FAR 52.234-4	Earned Value Management System (Jul 2006)	(g) AREVA Federal Services LLC
I.90	FAR 52.236-2	Differing Site Conditions (Apr 1984)	None
I.91	FAR 52.236-3	Site Investigation and Conditions Affecting the Work (Apr 1984)	None
I.92	FAR 52.236-5	Material and Workmanship (Apr 1984)	None
I.93	FAR 52.236-7	Permits and Responsibilities (Nov 1991)	None
I.94	FAR 52.236-18	Work Oversight in Cost Reimbursement Construction Contracts (Apr 1984)	None
I.95	FAR 52.236-19	Organization and Direction of the Work (Apr 1984)	None
I.96	FAR 52.237-2	Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)	None
I.97	FAR 52.237-3	Continuity of Services (Jan 1991)	None
I.98	FAR 52.239-1	Privacy or Security Safeguards (Aug 1996)	None
I.99	FAR 52.242-1	Notice of Intent to Disallow Costs (Apr 1984)	None
I.100	FAR 52.242-3	Penalties for Unallowable Costs (May 2001)	None
I.101	FAR 52.242-4	Certification of Final Indirect Costs (Jan 1997)	None
I.102	FAR 52.242-13	Bankruptcy (Jul 1995)	None
I.103	FAR 52.243-2	Changes – Cost Reimbursement (Aug 1987) – Alternate II (Apr 1984), Alternate III (Apr 1984), and Alternate V (Apr 1984)	None
I.103A	FAR 52.243-6	Change Order Accounting (Apr 1984)	None
I.104	FAR 52.243-7	Notification of Changes (Apr 1984)	(b) 10 (d) 30
I.105	FAR 52.244-2	Subcontracts (Jun 2007) – Alternate I (Jun 2007)	(e) AREVA Federal Services LLC, (k) None

PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J -- LIST OF ATTACHMENTS

TABLE OF CONTENTS

Attachment Number	Title of Attachment	Revision Number	Number of Pages
J.1	ABBREVIATIONS AND ACRONYM LIST	0	7
J.2	REQUIREMENTS SOURCES AND IMPLEMENTING DOCUMENTS	15	8
J.3	HANFORD SITE SERVICES AND INTERFACE REQUIREMENTS MATRIX	3	68
J.4	PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP)	21	113
J.5	PERFORMANCE GUARANTEE AGREEMENT	0	5
J.6	SMALL BUSINESS SUBCONTRACTING PLAN	0	14
J.7	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM TARGETS	0	3
J.8	ADVANCE UNDERSTANDING OF COSTS	0	5
J.9	SPECIAL FINANCIAL INSTITUTION ACCOUNT AGREEMENT	1	5
J.10	WAGE DETERMINATIONS – SERVICE CONTRACT ACT (SCA) AND DAVIS-BACON ACT	1	48
J.11	SUPPLEMENTAL WORK DESCRIPTION TABLES	0	22
J.12	GOVERNMENT-FURNISHED SERVICES AND INFORMATION (GFS/I)	0	1
J.13	HANFORD SITE STRUCTURES LIST	2	66
J.14	HANFORD WASTE SITE ASSIGNMENT LIST	2	132
J.15	AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) MILESTONES AND PERFORMANCE MEASURES	3	5

Document Number	Title
	International Atomic Energy Agency
DOE M 142.2-1	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
DOE O 142.3 A	Unclassified Foreign Visits and Assignments Program
DOE N 144.1	Change to DOE Order 1230.2
DOE O 150.1	Continuity Programs
DOE O 151.1C	Comprehensive Emergency Management System
DOE O 153.1	Departmental Radiological Emergency Response Assets
DOE O 200.1A	Information Technology Management
DOE O 203.1	Limited Personal Use of Government Office Equipment Including Information
DOE O 205.1A	DOE Cyber Security Management
DOE M 205.1-4	National Security System Manual
DOE M 205.1-5, Admin Change 2	Cyber Security Process Requirements Manual
DOE M 205.1-6, Admin Change 2	Media Sanitization Manual
DOE M 205.1-7, Admin Change 2	Security Controls for Unclassified Information Systems Manual
DOE M 205.1-8, Admin Change 2	Cyber Security Incident Management Manual
DOE O 206.1	Department of Energy Privacy Program
DOE N 206.4	Personal Identity Verification
DOE N 206.5	Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information
DOE O 210.2A	DOE Corporate Operating Experience Program
DOE O 221.1A	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A	Cooperation With the Office of the Inspector General
DOE O 225.1B	Accident Investigations
DOE O 226.1B	Implementation of DOE Oversight Policy
DOE O 227.1	Independent Oversight Program
DOE M 231.1-1A, Chg 2	Environment, Safety, and Health Reporting Manual
DOE O 231.1A Chg 1	Environment, Safety and Health Reporting
DOE O 232.2	Occurrence Reporting and Processing of Operations Information
DOE N 234.1	Reporting of Radioactive Sealed Sources
DOE O 241.1B	Scientific and Technical Information Management
DOE O 243.1	Records Management Program
DOE O 243.2	Vital Records
DOE O 251.1C	Departmental Directives Program
DOE O 252.1A	Technical Standards Program

Document Number	Title
DOE M 470.4-1, Chg 1	Safeguards and Security Program Planning and Management
DOE M 470.4-2A,	Physical Protection
DOE M 470.4-4A	Information Security
DOE M 470.4-5	Personnel Security
DOE M 470.4-6, Chg 1	Nuclear Material Control and Accountability
DOE O 471.1A	Identification and Protection of Unclassified Controlled Nuclear Information
DOE O 471.3, Chg 1	Identifying and Protecting Official Use Only Information
DOE M 471.3-1	Manual for Identifying and Protecting Official Use Only Information
DOE O 471.6	Information Security
DOE O 475.1	Counterintelligence Program
DOE O 475.2A	Identifying Classified Information
DOE O 522.1	Pricing of Departmental Materials and Services
DOE O 534.1B	Accounting
DOE O 551.1D	Official Foreign Travel
DOE O 1230.2	American Indian Tribal Government Policy
DOE O 1450.4	Consensual Listening-In To or Recording Telephone/Radio Conversations
DOE O 3792.3 Chg 1	Drug-Free Federal Workplace Testing Implementation Program
DOE O 5610.2, Chg 1	Control of Weapon Data
DOE O 5660.1B	Management of Nuclear Materials

Table J.2.9 DOE-RL/ORP Implementing Documents

Document Number	Title
ASME NQA-1-2004	Quality Assurance Requirements for Nuclear Facility Applications
DOE-0223	RL Emergency Implementing Procedures
DOE-0336	Hanford Site Lockout/Tagout Revision 0
DOE-0343	Hanford Site Wide Stop Work Order Procedure
DOE/CBFO-94-1012	DOE Carlsbad Field Office, Quality Assurance Program Description, Revision 8, (for WIPP-related activities)
DOE/RL-2001-0036, Rev 2	Hanford Site Wide Transportation Safety Document
DOE/RL-2002-12	Hanford Radiological Health and Safety Document
DOE/RL-89-10	Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement)
DOE/RL-92-36	Hanford Site Hoisting and Rigging Manual
DOE/RL-94-02, Rev 4	Hanford Emergency Management Plan
DOE/RL-96-68, Rev 3	Hanford Analytical Services QA Requirements Document
DOE/RW-0333P, Rev 18	DOE Office of Civilian Radioactive Waste Management, Quality Assurance Requirements and Descriptions
DOE/RW-0351, Rev 4	Waste Acceptance System Requirements Document (WASRD)