

2. AMENDMENT/MODIFICATION NO. 0524	3. EFFECTIVE DATE 07/19/2016	4. REQUISITION/PURCHASE REQ. NO. 16EM002486	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352		7. ADMINISTERED BY (If other than Item 6) CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) CH2M HILL PLATEAU REMEDIATION COMPANY Attn: Kala Dickerson 2420 Stevens Drive RICHLAND WA 99352-1659	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-08RL14788
		10B. DATED (SEE ITEM 13) 06/19/2008
CODE 805603128	FACILITY CODE	

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) Net Increase: \$378.26
See Schedule

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) Clause B.3, Obligation and Availability of Funds

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

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
Tax ID Number: 77-0694488
DUNS Number: 805603128

A. The purpose of this modification is to obligate \$378.26 of funding on this contract as shown in the attached Financial Plan Report number 21.

B. Pursuant to Contract Clause B.3, Obligation and Availability of Funds, the amount of funds (non-Recovery Act) is hereby increased by \$378.26 from \$3,402,294,962.83 to \$3,402,295,341.09. A redline/strikeout and replacement contract page B-5 reflecting this obligation is attached. Note that the starting values are taken from Modification 519.

C. Pursuant to Clause B.15, Other Costs and Projects, \$5,364.02 (including \$327.38 fee) is 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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jenise C. Connerly
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
	16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer)
	16C. DATE SIGNED 08/02/2016

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC06-08RL14788/0524

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2 2

NAME OF OFFEROR OR CONTRACTOR
CH2M HILL PLATEAU REMEDIATION COMPANY

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>provided for RFS 2061, HEPA Filter Transfer to Mississippi State University, and \$4,985.76 is deobligated from IWO 228841, Groundwater Monitoring and Testing. An updated Clause B.15, will be provided with a subsequent modification reflecting the additional net \$378.26 and \$327.38 fee.</p> <p>Delivery Location Code: 00601 Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352</p> <p>Payment: OR for Richland U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4307 Oak Ridge TN 37831</p> <p>FOB: Destination Period of Performance: 06/19/2008 to 09/30/2018</p>				

Financial Plan Number: 21
 Contract Modification Number: 16EM002486
 Rpt Entity: RL Plateau Remediation Contract (PRC)

Fiscal Year: 2016
 Fiscal Month: 10

Financial Plan Report - Detail with Appr Year

Site: RL

Report Generated on: July 19, 2016 at 02:11:59 PM

RL14788 - PLATEAU REMEDIATION CONTRACT (PRC)

Appr Year	Rpt Entity	Fund Code	Leg FT	Program	Legacy B&R	Obj. Class	Local Use	Project	WFO	Legacy Order Number	Beginning Uncosted Obs	BA			Total Available
												Previous	Change	Revised	
2015	422100	00922	YY	1721310	YN1901000	25400	00000000	00000000	0425264		4,985.76	0.00	-4,985.76	-4,985.76	0.00
<i>AY 2015 - IEWO 228841 - CHPRC Field Support Services - Mod 5 - DeOb/Close</i>															
Total for Program Parent/Control Point: YN1901000											4,985.76	0.00	-4,985.76	-4,985.76	0.00
Total for Fund Type: YY											4,985.76	0.00	-4,985.76	-4,985.76	0.00
2016	422100	00911	YZ	1721310	YN1901000	25400	00000000	00000000	0425386		0.00	0.00	5,364.02	5,364.02	5,364.02
<i>AY 2016 - IEWO M16CC0002 - Transfer of 100 excessed HEPA Filters to MSU for a study requested by DOE-EM - Mod 0</i>															
Total for Program Parent/Control Point: YN1901000											0.00	0.00	5,364.02	5,364.02	5,364.02
Total for Fund Type: YZ											0.00	0.00	5,364.02	5,364.02	5,364.02
Total for Recipient Code: RL											4,985.76	0.00	378.26	378.26	5,364.02
Total for Reporting Entity: 422100											4,985.76	0.00	378.26	378.26	5,364.02
Total for RL14788 - PLATEAU REMEDIATION CONTRACT (PRC)											4,985.76	0.00	378.26	378.26	5,364.02

This financial plan was generated for the following options: All Excluding WFO

- (ii) Accelerate D&D of 100 K ancillary facilities,
 - (iii) Accelerate 100 K waste site remediation,
 - (iv) Complete Reactor disposition study/engineering, and
 - (v) Accelerate ISS of both reactors 105KE and 105KW and initiate preparations for 105KE disposition.
- (e) *CLIN 7: Removed*

B.3 OBLIGATION AND AVAILABILITY OF FUNDS

- (a) Obligation of Funds. Pursuant to the Section I Clause entitled, FAR 52.232-22, Limitation of Funds, total funds in the amount of ~~\$3,402,294,962.833~~, \$3,402,295,341.09 have been allotted for obligation and are available for payment of services provided from the effective date of this Contract through September 30, 2018.
- (b) Pursuant to the clause in Section I, entitled "Limitation of Funds," total funds in the amount of \$1,374,900,283 are obligated herein and made available for payment of allowable costs and fee earned related only to the Recovery Act work from the effective date of modification A037 through the period of performance for the Recovery Act work, contained in Section F.

B.4 CONTRACT COST AND CONTRACT FEE

This Section establishes the estimated Total Contract Cost and Contract Fee. Within Table B.4-1:

- (a) *Contract Period* is defined as the *Transition Period*, *Base Period*, and *Option Period* (if exercised) described in the Section F Clause entitled, *Period of Performance*.
- (b) Estimated *Contract Cost* is defined as all costs initially proposed by the Contractor.
- (c) *Available Fee* is defined as the maximum amount of fee that may be earned under the Contract by Contract period.
- (d) *Contract Price* in Table B.4-1 is the sum of Estimated *Contract Cost* and *Available Fee*, in each year of Contract performance.
- (e) *Total Contract Cost* is defined as the cumulative Estimated *Contract Cost* for all Contract periods.
- (f) *Total Available Fee* is defined as the cumulative *Available Fee* for all Contract periods.
- (g) *Total Contract Price* is defined as the sum of *Total Contract Cost* and *Total Available Fee*.

PART I – THE SCHEDULE

SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

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B.1 TYPE OF CONTRACT

This is a performance-based Cost-Plus-Award Fee Contract to continue the environmental clean-up of select portions of the U.S. Department of Energy (DOE) Hanford Site. The Contractor has the responsibility for determining the specific methods and approaches for accomplishing the identified work. This Contract applies performance-based contracting approaches and expects the Contractor to implement techniques that emphasize safe, efficient, and measurable results.

B.2 ITEM(S) BEING ACQUIRED

- (a) The Contractor shall, in accordance with the terms of this Contract, provide the personnel, materials, supplies, and services and do all things necessary for, or incident to, providing its best efforts to perform all requirements of this Contract.
- (b) The Contract consists of six (6) Contract Line Items authorized in accordance with the Section B Clause entitled, *DOE Authorization of Work*:
 - (1) *Contract Line Item Number (CLIN) 1:*
 - (i) Waste Treatment and Disposal. Perform activities necessary for safe and secure underwater storage of cesium and strontium capsules, and storage of spent nuclear fuel (SNF); liquid waste storage and treatment; waste storage and disposal; and overall facility operations;
 - (ii) Groundwater/Vadose Zone Project. Perform groundwater and ecological sampling and monitoring, well maintenance, borehole logging;
 - (iii) Facility and Waste Site Minimum-safe/Surveillance and Maintenance (S&M). Perform activities necessary for Hanford Site structures and waste sites identified in the Section J Attachment entitled, *Supplemental Work Description Tables*; and
 - (iv) Fast Flux Test Facility (FFTF). Maintain FFTF in a safe and compliant manner and perform near-term shutdown activities.
 - (2) *CLIN 2:*

Plutonium Finishing Plant (PFP) Closure. Provide safe and compliant storage of special nuclear material (SNM) at PFP until it has been removed from the PFP complex; operate and maintain the PFP facilities and associated waste sites, structures, operating systems and equipment, and monitoring systems in a safe, compliant, and energy-efficient manner within the authorization envelope; maintain radiological control and access control to ensure personnel safety; remove SNM from PFP and transport to an assigned location; demolish PFP complex facilities to slab-on-grade condition; and prepare, package, and disposition waste streams, as required.

- (3) *CLIN 3:*
- (i) Waste Treatment and Disposal. Perform low level waste (LLW) and mixed low level waste (MLLW) treatment, transuranic (TRU) waste certification support, waste retrieval;
 - (ii) Groundwater, Soil, and Facility Regulatory/Other Decision Documents. Characterize assigned waste sites and facilities, complete analysis of remediation options, and prepare required regulatory and other decision documents necessary to implement remedial actions;
 - (iii) Groundwater/Vadose Zone Project. Perform on-going and new remedy operations including 200 West pump & treat start-up, operations and maintenance, well installation, and well decommissioning;
 - (iv) Operate the Environmental Restoration Disposal Facility (ERDF);
 - (v) Geographical Zone Remediation. Remediate U Plant and Non-Radioactive Dangerous Waste Landfill (NRDWL)/BC Control geographical zones; and
 - (vi) 618-10 and 618-11 Burial Grounds. Initiate and complete field remediation and other waste disposition activities for the 618-10 and 618-11 burial grounds, in the event that these activities are not completed under the River Corridor Closure Contract;
- (4) *CLIN 4:*
- (i) Remediate and close other specified geographical zones;
 - (ii) Transfer cesium and strontium capsules from Waste Encapsulation and Storage Facility (WESF) to dry storage; and
 - (iii) Design and construct alternate transuranic package transporter (TRUPACT) loadout capability.
- (5) *CLIN 5:*
- 100 K Area. Maintain the 100K Area in a safe and compliant manner; dewater K East Basin; demolish K East Basin; place K East reactor in an interim safe storage (ISS) configuration, and remediate and close selected portions of the 100K Area; complete procurement, construction, and acceptance testing of the K Basin Sludge Treatment System; treatment of K Basin sludge; demolish K West basin, place K West reactor in an ISS configuration, and selected activities related to remediation and closure of the remainder of the 100K Area.
- (c) The Section J Attachment entitled, *Supplemental Work Description Tables*, provides additional definition of the workscope in each CLIN.

(d) CLIN 6:

The contractor shall, in accordance with the terms of this contract, provide the personnel, materials, supplies, and services and do all things necessary for, or incident to, providing its best efforts to perform the Recovery Act work. The work, as identified by activities to be performed under the following WBS elements, is assigned to CLIN 6, as shown in Table B.4-1, *Contract Cost and Contract Fee*:

(1) WBS 011, Nuclear Material Stabilization and Disposition PFP:

- (i) Disposition process equipment, glove boxes, and laboratory hoods from 234-5Z facility,
- (ii) Disposition low-level and TRU waste, and
- (iii) Prepare ancillary facilities for demolition.

(2) WBS 013, Solid Waste Stabilization and Disposition:

- (i) Continue retrieving and re-packaging contact handled Transuranic (TRU) waste,
- (ii) Initiate retrieval and disposition of remote-handled TRU waste (including large package waste),
- (iii) Continue building backlog of waste for shipments to the Waste Isolation Pilot Plant, and begin shipping in March 2010,
- (iv) Support installation and utilization by the Central Characterization Project of a High Energy Real Time Radiography unit at the Hanford site,
- (v) Continue treatment of current backlog of legacy mixed, low-level waste,
- (vi) Complete activities required to support disposition and deliver plutonium 238 drums to shipper,
- (vii) Prepare and submit analysis/recommendations for wastes with uncertain disposition path including strontium and cesium capsules; initiate disposition of these wastes as directed by DOE, and
- (viii) Support increased disposal capabilities at the Environmental Restoration Disposal Facility and Integrated Disposal Facility.

(3) WBS 030, Soil and Groundwater Remediation, Groundwater/Vadose Zone:

- (i) Accelerate construction of the pump and treat facility, expand current pump and treat operations, and install additional wells in the 100 D/H Areas,

- (ii) Accelerate construction of the pump and treat system for groundwater contaminants in both 200 West Area operable units,
 - (iii) Accelerate completion of remedial investigations, treatability tests, cleanup decisions, and groundwater well decommissioning in the Central Plateau Area, and
 - (iv) Continue groundwater remediation and well drilling to support overall reduction of active clean-up of the Hanford Site
- (4) WBS 040, Nuclear Facility D&D - Remainder of Hanford:
- (i) 200 North Area:
 - (A) Demolish spent fuel transfer storage facilities,
 - (B) Remediate waste sites, and
 - (C) Dispose of locomotive and rail cars.
 - (ii) Complete cleanup of B/C Control Area,
 - (iii) Initiate remediation of other waste sites in the Central Plateau,
 - (iv) U Plant Zone:
 - (A) Demolish 5 remaining ancillary facilities,
 - (B) Disposition Cell 30 tank contents, and
 - (C) Clear canyon deck and grout-fill cells.
 - (v) Complete demolition of up to 15 facilities in the Central Plateau Inner Zone,
 - (vi) Prepare and submit an evaluation of utilization of a landfill for non-hazardous waste debris,
 - (vii) Complete demolition of DOE facilities and clean-up debris areas on the Arid Lands Ecology Reserve, and
 - (viii) Complete remediation activities for North Slope and prepare applicable closure documentation for ALE and North Slope.
 - (ix) Disposition near-term personnel hazards associated with asbestos.
- (5) WBS 041, Nuclear Facility D&D – River Corridor, 100 K Area:
- (i) Remediate waste sites along the river in the 100 K Area,

- (ii) Accelerate D&D of 100 K ancillary facilities,
 - (iii) Accelerate 100 K waste site remediation,
 - (iv) Complete Reactor disposition study/engineering, and
 - (v) Accelerate ISS of both reactors 105KE and 105KW and initiate preparations for 105KE disposition.
- (e) *CLIN 7*: Removed

B.3 OBLIGATION AND AVAILABILITY OF FUNDS

- (a) Obligation of Funds. Pursuant to the Section I Clause entitled, FAR 52.232-22, Limitation of Funds, total funds in the amount of \$3,402,295,341.09 have been allotted for obligation and are available for payment of services provided from the effective date of this Contract through September 30, 2018.
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