

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 149	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 11EM001710	5. PROJECT NO. (If applicable)
6. ISSUED BY Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601	7. ADMINISTERED BY (If other than Item 6) Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) CH2M HILL PLATEAU REMEDIATION COMPANY Attn: Reese Bang 2420 Stevens Center Place Richland wa 99354-1659		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE 805603128		FACILITY CODE	9B. DATED (SEE ITEM 11)
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-08RL14788
			10B. DATED (SEE ITEM 13) 06/19/2008

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)

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 X	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. I.102-FAR 52.243-2-Changes-Cost Reimbursement
X	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.)

This modification does the following:

1) Corrects Modification 144, SF30, Block 14 as follows:

"4. a) Change Order 101 is modified to revise and limit the work activities, as attached, associated with TPA Target Milestone M-016-110-101.
b) Change Order 101 not-to-exceed amount is reduced as provided in the Change Order 101 attachment from \$800,000 to \$230,000 due to the revised work scope. Accordingly, work under the contract, such as that described herein, must be performed within the amount of funds which have been incrementally allotted to the contract in accordance with Clause B.3, Obligation and Availability of Funds.

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) 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 03/11/2011

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
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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>c) The definitization schedule for Change Order 101 proposal is revised as attached."</p> <p>2) Provides clarification that the proposal shall be limited only to the revised and limited list of activities in Change Order 101 Modification 144. This clarification to Change Order 101 is provided as a revision in Attachment 1 of this Modification 149. The definitization schedule for Change Order 101 is provided in Attachment 2 of this Modification 149 for convenience and is unchanged from Modification 144. The effective date for revisions to Change Order 101 issued by Modification 144 remains unchanged (February 25, 2011).</p> <p>3) Issues Change Order 120 Contractor is authorized to proceed with Change Order 120 as detailed in Attachment 3. Contractor shall be limited to \$5,400,000 for Change Order 120 from funds allocated to Project Baseline Summary (PBS) RL-30 in accordance with Clause B.3 Obligation and Availability of Funds, prior to the definitization of Change Order 120 in accordance with the referenced clause. The definitization schedule for Change Order 120 is provided in Attachment 4 of this Modification.</p> <p>4) Revises Change Order 107 provided in Modification 132 as shown in Attachment 5 of this Modification. All other terms and conditions in Modification 132 remain unchanged.</p> <p>5) Revises, Change Order 114 provided in Modification 144 as shown in Attachment 6 of this Modification. All other terms and conditions in Modification 144 remain unchanged.</p> <p>End of Modification. FOB: Destination Period of Performance: 06/19/2008 to 09/30/2013</p>				

CHANGE ORDER #: 101 - Revision	CONTRACT NUMBER: DE-AC06-09RL14788
DESCRIPTION OF CHANGE: TPA Milestone Target M-016-110-101	
<p>SOW Section: C.2.4.6 OU Decision Document Activities</p> <p>The Contractor shall:</p> <p>Complete work activities to prepare a Decisional Draft of an Action Memorandum and Draft A of an EECA for a removal action to address hexavalent chromium groundwater contamination at the 100-BC-5 and 100-FR-3 Operable Units.</p> <p>The scope of this change does not include any other work that may be required associated with the subject TPA milestone.</p> <p>The Contractor shall identify the funding source for the above described work scope. Additionally, The Contractor shall identify other work scope that will need to be deferred due to the above described work scope.</p>	

The following limitations are applicable Change Order #101:

Funds to be expended to implement this change order shall not exceed **\$230,000.00** 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.

The following definitization schedule is established for this Change Order:

<u>Action</u>	<u>Date*</u>
Contractor submits technical, cost and fee proposal	110 days
Commence negotiations	130 days
Mutual agreement on definitization	140 days
Contractor submits certificate of current cost or pricing data	140 days
Execute definitization contract modification	150 days

**Date is specified as the number of calendar days after November 19, 2010, (the effective date for Modification 129).*

Contractor shall submit cost and pricing data on proposals exceeding \$700,000.00

CHANGE ORDER #120:	CONTRACT NUMBER: DE-AC06-09RL14788
DESCRIPTION OF CHANGE: 100-KR-4 Operable Unit, KW Expansion	
<p>SOW Section: C.2.4.7</p> <p>WBS: 30.11.06.01.02 30.11.06.01.04</p> <p>BACKGROUND:</p> <p>Remedial Actions (Interim and Final) – from the original Request For Proposal (RFP) for Operable Unit (OU) 100-KR-4:</p> <p>The original RFP assumptions require operation and maintenance of three (3) groundwater pump-and-treat ion exchange systems including KW, KX, and KR-4 systems (operable at 100, 300, and 300 gallons per minute (gpm), respectively) within the 100-KR-4 OU with a 300 gpm expansion to one of the 300 gpm systems and Demolition and Destruction (D&D) of those systems. Prior to contract transition, the prior contractor initiated a modification of the KX design to incorporate an expansion to the KX system and completed the construction of physical structures (process buildings and transfer stations) to house the expansion (300 gpm original and 300 gpm expansion). CHPRC completed commissioning, testing, some modifications to the system and currently performs operations of the newly expanded KX system bringing the total to 600 gpm for the KX system. CHPRC now operates the 100-KR-4 operable unit at a total capacity of 1000 gpm.</p> <p>CHANGE DESCRIPTION:</p> <p>Differing Site Condition: Area of higher concentration of hexavalent chromium within the 100-KR-4 OU Plume.</p> <p>The Contractor shall design, construct, and perform operations/optimization and maintenance of a 100 gpm expansion to the KW Pump and Treat System, and shall operate all 100-KR-4 Pump and Treat systems throughout the contract period of performance. Assume D&D of the additional 100 gpm capacity concurrent with unchanged D&D of other systems.</p> <p>LIMITATIONS:</p> <p>This change order does not include expansion of any other system (KX or KR-4 systems) within the 100-KR-4 Operable Unit.</p>	

The following definitization schedule is established for Change Order 120:

<u>Action</u>	<u>Date*</u>
Contractor submitted proposal December 2010	
Commence negotiations	40 days
Mutual agreement on definitization	50 days
Contractor submits certificate of current cost or pricing data	60 days
Execute definitization contract modification	70 days

*Date is specified as the number of calendar days after contractor receipt of this modification.

CHANGE ORDER #: 107 - <u>Correction</u>	CONTRACT NUMBER: DE-AC06-09RL14788
DESCRIPTION OF CHANGE: 200-UP-1 Operable Unit	
<p>SOW Section: C.2.4.7</p> <p>WBS: 30.22</p> <p>S-SX interim extraction system design</p> <p>S-SX interim extraction system construction</p> <p>S-SX interim extraction system transfer piping and road crossings</p> <p>The Contractor shall:</p> <p>Implement interim actions as required for the 200-UP-1 operable unit, including but not limited to the S-SX interim extraction system, install transfer piping and road crossings, and construction activities of the transfer building and well drilling.</p> <p>Also, revise the 200-UP-1 interim RDRAWP (DOE/RL-97-36) to Rev 3 to incorporate the ESD, and define the need for an interim P&T for the Tc-99 plumes at S-SX (per M-16-120) ESD support.</p> <p>Within the proposal, please identify the funding source for the above described work scope. Additionally, identify other work scope that will need to be pushed out past end of contract date due to the above described work scope.</p>	

CHANGE ORDER #: 114 (Correction)	CONTRACT NUMBER: DE-AC06-09RL14788
DESCRIPTION OF CHANGE: 100-HR-3 Operable Unit (OU), HX Pump and Treat System	
<p>SOW Section: C.2.4.7</p> <p>WBS: 30.13</p> <p>100-HR-3 Remedial Actions – Interim and Final</p> <p>100-HR-3 Modifications and Expansions</p> <p>CHANGE DESCRIPTION:</p> <p>Differing Site Condition: Larger hexavalent chromium plume within the 100-HR-3 OU.</p> <p>The Contractor shall design, construct, and perform operations/optimization and maintenance of a new 800 gallon per minute Pump and Treat System (HX), and shall operate through the contract period of performance. The HX system capacity is based on Contractor technical analyses documented within:</p> <ul style="list-style-type: none">• SGW-40044, 2009, 100-HR-3 Remedial Process Optimization Modeling Technical Memorandum, Rev. 1, CH2M Hill Plateau Remediation Company, Richland, Washington• SGW-40781, 2009, 100-HR-3 Remedial Process Optimization Modeling Data Package, Rev. 0, CH2M HILL Plateau Remediation Company, Richland, Washington <p><u>Basis for the differing site condition is provided in the below referenced document:</u></p> <p><u>DOE/RL-2008-42, Rev. 0, Hydrogeological Summary Report for 600 Area Between 100-D and 100-H for the 100-HR-3 Groundwater Operable Unit, U.S. Department of Energy, Richland, Washington.</u></p> <p>LIMITATIONS:</p> <p>This change order does not include expansion or construction of any other systems within the 100-HR-3 Operable Unit. Contractor shall proceed with work not to exceed \$16,500,000 in accordance with Clause B.3 “Obligation and Availability of Funds.”</p>	