

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
			1 2
2. AMENDMENT/MODIFICATION NO. 112	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 10EM003012	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	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: I.102-FAR 52.243-2-Changes-Cost Reimbursement (8/87)-Alt II (4/84), Alt III (4/84), and Alt IV (4/84)
	D. OTHER (Specify type of modification and authority)

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.)

1. Change Order # 73: In accordance with FAR 52.243-2, Changes - Cost Reimbursement, the Contractor shall Provide updated calculation of soil background concentrations for both radionuclide and non-radionuclide contaminants as detailed in Attachment 1.
The definitization schedule for this change order is provided in Attachment 2, page 1 of 2.

2. Change Order # 74: In accordance with FAR 52.243-2, Changes - Cost Reimbursement, the Contractor shall Conduct a High Air Flow Field Test to evaluate the potential for removing Technetium-99 and other contaminants from the pore water in unsaturated sediments during FY 2010 and FY2011 as detailed in Attachment 1.
The definitization schedule for this change order is provided in Attachment 2, page 2 of 2.

FOB: Destination

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	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		Signature on File (Signature of Contracting Officer)	08/04/2010

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC06-08RL14788/112

PAGE OF
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)
	Period of Performance: 06/19/2008 to 09/30/2013				

The following limitations to this Change Order:

As stipulated in Change Order 73, CHPRC shall proceed with work not to exceed \$1,200,000 from funds allotted for Decision Document activities in the Groundwater/Vadose Zone Remediation Project in accordance with Clause B.3 "Obligation and Availability of Funds," prior to the definitization of this change in accordance with the referenced clause:

The following definitization schedule is established for this Change Order:

<u>Action</u>	<u>Date*</u>
Contractor submits technical, cost and fee proposal	45 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 contractor receipt of this modification.

CHANGE ORDER #: 0073

CONTRACT NUMBER: DE-AC06-09RL14788

DESCRIPTION OF CHANGE: Background Calculations

The Contractor shall:

Provide updated calculation of soil background concentrations for both radionuclide and non-radionuclide contaminants. Documents to be updated include:

DOE/RL-96-12, Hanford Site Background: Part 2, Soil Background for Radionuclides

DOE/RL-92-24, Hanford Site Background: Part 1, Soil Background for Nonradioactive Analytes

The update is to evaluate and provide background calculations, where possible, for radionuclides and nonradioactive analytes that may be contaminants of potential concern for which background has not previously been calculated. Previously calculated background concentrations for radionuclides and nonradioactive analytes are to be re-evaluated for accuracy and proper documentation. New data that pass quality assurance standards and that are applicable to background calculations should be included in the background updates.

The following limitations to this Change Order:

As stipulated in Change Order 74, CHPRC shall proceed with work not to exceed \$800,000 in accordance with Clause B.3 "Obligation and Availability of Funds," prior to the definitization of this change in accordance with the referenced clause:

The following definitization schedule is established for this Change Order:

<u>Action</u>	<u>Date*</u>
Contractor submits technical, cost and fee proposal	45 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 contractor receipt of this modification.

CHANGE ORDER #: 0074

CONTRACT NUMBER: DE-AC06-09RL14788

DESCRIPTION OF CHANGE: High-Flow Air Testing Related to Deep Vadose Zone Work

The Contractor shall:

In coordination with the analyses being conducted by The Pacific Northwest National Laboratory, Conduct a High Air Flow Field Test to evaluate the potential for removing Technetium-99 and other contaminants from the pore water in unsaturated sediments during FY 2010 and FY2011. As currently planned the test will be conducted using an existing well in the BC Cribs area. The depth and construction of this well and the contaminant concentrations are similar to the site where the phenomena was first observed. The location will not interfere with the desiccation testing that will be ongoing during the same time period. This scope includes all of the upfront planning, regulator documentation and test plan approvals, test setup, test execution, data collection, data analysis and reporting, and waste management required for a field treatability test.

Activities included:

High Air Flow Field Test

High Air Flow Field test planning

High Air Flow Field test documentation and test plan approvals

High Air Flow Test Data collection, analysis and reporting

High Air Flow Field test waste management