

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 159	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 11EM002259	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			9B. DATED (SEE ITEM 11)
FACILITY CODE		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. FAR 52.243-2, Changes - Cost Reimbursement
	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 makes the following Changes:

1. Revises Change Order 069, WESF Ventilation Upgrades, as shown in Attachment 1. The workscope contained within the deleted text is hereby transferred to Change Order number 144. Change Order 144 is a prospective change and the contractor is not authorized to expend funds on the workscope under that change until directed through a contract modification.

2. Revises Change Order 083, Interim Actions for the Hanford Site Chronic Beryllium Disease Prevention Program, as shown in Attachment 2. The workscope contained within the deleted text is hereby transferred to Change Order number 145. Change Order 145 is a prospective
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 04/20/2011

CONTINUATION SHEETREFERENCE 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>change and the contractor is not authorized to expend funds on the workscope under that change until directed through a contract modification.</p> <p>3. Revises the funds limitation in Change Order 139, Unvented Drums, as shown in Attachment 3.</p> <p>All other terms and conditions remain the same. End of Modification. FOB: Destination Period of Performance: 06/19/2008 to 09/30/2013</p>				

Change Order #069, as provided in Modification 118 and in 132, is hereby revised as shown below (indicated by redline/strikeout text).

CHANGE ORDER #: 0069	CONTRACT NUMBER: DE-AC06-09RL14788
TITLE OF CHANGE: WESF Ventilation Upgrades	
DESCRIPTION OF CHANGE: SOW Section: C.2.3.14, Facility Management WBS: 13.02.02 The contractor shall perform K-1/K-3 ventilation upgrades to address DNFSB 2004-2 Recommendation. Revision to 13.02.02 WBS dictionary: This activity provides for the upgrade of WESF as necessary to maintain safe, compliant, and cost-effective operations until the capsules can be transferred to interim dry storage (scheduled for FY 2018). WESF upgrades will include the following as a minimum: <ul style="list-style-type: none">- K-1/K-3 Confinement Ventilation System upgrades- Replacement of Pool Cell Level Detectors- Installation of Control System Remote Monitoring- Installation of Lightweight Pool Cell Covers- Replacement of Panel Boards- Compressed Air Cost Reduction- Installation of Larger Compressed Air Receiver- Replacement of Motor Controllers- Replacement of Beta/Gamma Monitoring System- Refurbishing Shielded Door Actuators- Replacement of Tank 100 Level Detector- Modification of Capsule Cart- Installation of Rain Intrusion protection at TK-50- Removal of F Cell Water Source- Refurbishing of F Cell Lighting- Refurbishing of Roof- Capsule Reloading- Replacement of F Cell Window Seals- Replacement of G Cell West Window Seals- Replacement of Nitrogen Purge Lines	

Assumptions

Life-extension evaluations will be performed and the identification of required upgrades and replacements defined for the contract period.

An additional \$500,000 per year for the contract period has been estimated to cover unexpected facility repairs.

WESF will be deactivated within 2 years following the removal of all capsules.

Complete final design to Upgrade of K-1/K-3 Confinement Ventilation System (CVS) in FY 2011, to address DNFSB 2004-2 Recommendation into a single compliant CVS to mitigate potential release of source term. ~~Upgrades shall be complete for operations by November 2012.~~

Change Order #083, as provided in Modification 121 and in 127, is hereby revised as shown below (indicated by redline/strikeout text).

CHANGE ORDER #: 83	CONTRACT NUMBER: DE-AC06-08RL14788
TITLE OF CHANGE: INTERIM ACTIONS FOR THE HANFORD SITE CHRONIC BERYLLIUM DISEASE PREVENTION PROGRAM	
DESCRIPTION OF CHANGE: Related SOW Section: C.3.2.3 The Contractor shall implement the following interim actions related to the HSS assessment of the Hanford Site Chronic Beryllium Disease Prevention Program: <ol style="list-style-type: none">1. Implement facility-specific posting recommendations contained in the HSS beryllium (Be) assessment report, including posting/controlling buildings which are awaiting characterization sampling (provide documentation/verification of completion of posting activities within 14 calendar days beginning September 7, 2010).<u>2.</u> All supervisors, planners, and PICs who are involved with work activities involving a Beryllium Work Permit shall complete the existing Be worker training course (to be completed within 60 calendar days beginning September 7, 2010).<u>3.</u> <u>All supervisors, planners, PICs, managers, and industrial hygienists who are involved with work activities involving a Beryllium Work Permit or who manage beryllium affected workers shall complete the new PIC's, Planners, Supervisors, and Managers training course (to be completed within 240 calendar days beginning September 7, 2010).</u><u>2.4.</u> <u>All supervisors, managers, and industrial hygienists who are involved with work activities involving a Beryllium Work Permit shall complete the new Risk Communication training course (to be completed within 240 calendar days beginning September 7, 2010).</u><u>3.5.</u> Issue a directive to all planning, industrial hygiene, and supervisory personnel stating that previously published lists of beryllium-contaminated or potentially contaminated buildings are not to be used as a basis for work planning without confirming current classifications and status with the contractor's beryllium program subject matter expert or designee (to be completed within seven calendar days beginning September 7, 2010).<u>4.6.</u> For characterization purposes, collect wipe samples from building/structure surfaces with no visibly accumulated dust in the locations where a bulk sample is collected. The bulk and wipe sample results shall be evaluated against the criteria in Item 5 below (initiate within seven calendar days beginning September 7, 2010).<u>5.7.</u> Investigate building/structure beryllium survey results which meet or exceed 0.1 ug/100 cm² for a wipe sample or 1 ppm for a bulk sample per NIOSH 7300 series methodology to identify the extent of potential beryllium contamination. The Independent Beryllium Oversight Team (IBOT) shall be notified within one (1) working	

day of any results meeting or exceeding these levels. The area in which the potential beryllium contamination was detected shall be re-sampled within three (3) working days, or an alternate time frame coordinated with the IBOT if required due to complexity of sampling, using the MARSSIM process as described in the attachment document entitled "Sampling Protocols for Buildings" (Attachment 2). The area may be considered beryllium free if the geometric mean of the sample results is less than 1 ppm or 0.1 ug/100 cm², and no sample results meet or exceed 2 ppm or 0.2 ug/100 cm². Items 4 and 5 do not apply to outdoor waste sites, which shall continue to comply with the current requirements of the site-wide CBDPP (initiate within seven calendar days beginning September 7, 2010).

~~6. Implement the corrective actions assigned to the Contractor in accordance with the DOE Headquarters approved document entitled "Corrective Actions for Hanford Site Chronic Beryllium Disease Prevention Program" (Attachment 3). The DOE HQ Memorandum (DOE-EM Memorandum, I. R. Triay, DOE-EM, to M. S. McCormick, RL, "Approval of Hanford Corrective Action Plan in Response to Office of Health, Safety and Security Beryllium Inspection Report," dated September 17, 2010) approving the Hanford Site CBDPP Corrective Action Plan is included in this modification for reference as Attachment 4. There are no changes between the final corrective action plan included in this modification as Attachment 3 and the previous draft version provided to the Contractor with Contract Modification No. 121.~~

~~7. Provide RL and an RL designated point of contact in the Mission Support Alliance organization with weekly progress reports on assigned corrective actions. The progress report shall consist of an up-to-date schedule showing percent completion, and shall be provided to RL and the designated MAS POC on a schedule as established by the RL Project Manager beginning from the date of receipt of this modification until all applicable actions in the CAP are completed and closure verification has been accomplished. Status meetings may also be scheduled, and additional status input requested, by the RL Project Manager as necessary.~~

This modification revises the funds limitation for Change Order 139, originally issued in modification 155, as shown below:

The following limitations are applicable to Change Order #139:

Funds to be expended to implement this change order shall not exceed \$1,200,000 from ~~non-Recovery-Act~~ funds [allocated for PBS 13 activities 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	60 days
Commence negotiations	140 days
Mutual agreement on definitization	150 days
Contractor submits certificate of current cost or pricing data	160 days
Execute definitization contract modification	170 days

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