

2. AMENDMENT/MODIFICATION NO. 0494	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	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)
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 I 102 FAR 52.243-2 Changes - Cost Reimbursement and by Mutual Agreeemnt of the Parties

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.)
A. The purpose of this modification is to update the scope of work for Change Order No. 300, 100-KW Garnet Filter Media Remediation issued in Modification 456, increase the not-to-exceed (NTE) value, and issue a revised definitization schedule.

Contract changes are detailed on pages 2 and 3 of this modification.
Period of Performance: 06/19/2008 to 09/30/2018

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 02/23/2016

SF30 BLOCK 14 (CONTINUATION):

- B. DOE Letter 15-AMRP-0099, *Contract No. DE-AC06-08RL14788-Revised Work Authorization for Fiscal Year (FY) 2015 and Spend Plan Call*, dated March 12, 2015, provided CHPRC with revised guidance and additional work authorization for FY 2015. This guidance authorized work scope in FY2015 for 100KW Garnet Filter Media Remediation scope up to a NTE value of \$500,000.
- C. The scope for 100KW Garnet Filter Media Remediation will be accomplished in three steps consisting of the following activities. Change Order No. 186 has addressed step 1 scope. This Change Order No. 300 is for step 2. A subsequent Change Order will be issued to perform step 3.
1. Pre-conceptual engineering tasks to assist in significantly narrowing the range of choices between multiple technologies that can be employed to remove garnet filter media and package that material for interim storage. The work scope includes:
 - i. Development and documentation of the Garnet Filter media material baseline characterization that will guide future engineering and regulatory approaches.
 - ii. Identification, description and limited concept testing of removal approaches at the MASF test facility.
 - iii. Evaluation and selection of preferred removal alternatives for further development.
 - iv. Preparation of initial drafts of the following key documents:
 1. Functional Design Criteria
 2. Process Flow Diagram
 3. Process Description
 2. Preliminary design to initiate garnet filter media removal system design and confirm the IWTS garnet filter discharge valves are capable of supporting the concept development during Garnet Filter Media Removal pre-conceptual and performing preliminary phases of the Facility Modification Package including:
 - i. Identify Initial Design Inputs:
 1. Perform a preliminary hazard analysis
 2. Prepare ALARA Design Review Checklist
 - ii. Conduct design development testing

iii. Confirm Field Configuration

1. Garnet filter valve operation air supply capacity
 2. Garnet filter sluice valve operation
 3. (Future CO) The third effort will include the final design, finalizing the Facility Modification Packages, procurement, and construction of the Garnet Filter Media Retrieval System.
- D. An original Notice-to-Proceed with a NTE limit of \$500,000 for Change Order No. 300 was authorized by Contract Modification 456 dated December 17, 2015. This modification (494) increases the NTE cost authority for Change Order No. 300 by \$150,000 for a new total NTE authorized limit of \$650,000 prior to definitization in accordance with Contract Clause I.102, FAR 52.243-2 Changes – Cost Reimbursement. Contractor shall not exceed the NTE amount provided herein without prior approval from the Contracting Officer via a modification to increase the amount. Contractor shall notify the Contracting Officer in writing with the rationale if the NTE amounts are insufficient to proceed with the identified work.

E. The definitization schedule for change order No. 300 is as follows:

Action:	Date:
Contractor Submits Technical, Cost and Fee Proposal	February 25, 2016
Commence Negotiations	May 20, 2016
Mutual Agreement on Definization	May 27, 2016
Contractor submits certificate of current cost or pricing data	May 30, 2016
Execute Definitization Contract Modification	June 9, 2016

- F. This modification does not obligate additional funds to the contract. 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 I.81 - FAR 52.232-22 - Limitation of Funds (Apr 1984).
- G. Contractor Statement of Release: In consideration of the modification agreed to herein the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to this change.

There are no other changes to the terms and conditions of the contract.

End of Modification 494.