

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0285	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603	7. ADMINISTERED BY (If other than Item 6) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 MS: H6-60 Richland WA 99352	CODE 00603
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WASHINGTON RIVER PROTECTION SOLUTIONS LLC Attn: BRIAN THOMAS C/O URS ENERGY & CONSTRUCTION, INC. PO BOX 73 / 720 PARK BLVD BOISE ID 837290073		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 806500521	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-08RV14800	10B. DATED (SEE ITEM 13) 05/29/2008

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)

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 (AUG 1987)
	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)

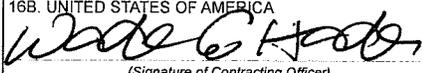
E. IMPORTANT: Contractor is not. is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to issue a Change Order in accordance with Clause I-103, Federal Acquisition Regulation (FAR) 52.243-2, Changes - Cost Reimbursement (AUG 1987) to authorize Washington River Protection Solutions LLC (WRPS) to proceed with work on the Integrated Disposal Facility Performance Assessment (IDF PA). WRPS is directed to complete this work in accordance with the Statement of Work (SOW) provided in the Attachment to this modification, with a Not to Exceed (NTE) value of \$732,000. WRPS is due to submit a cost and technical proposal for the IDF PA by October 8, 2014, to be evaluated by the U.S. Department of Energy, Office of River Protection technical staff.

This Change Order impacts Contract Line Item Number (CLIN) 3.1, Treatment Planning, Waste Feed Delivery, and WTP Transition. In accordance with Clause I-103A, FAR 52.243-6, Change 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) Wade E. Hader		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 29 Sep 2014

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC27-08RV14800/0285

PAGE OF
2 2

NAME OF OFFEROR OR CONTRACTOR
WASHINGTON RIVER PROTECTION SOLUTIONS LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Order Accounting (APRIL, 1984), WRPS shall create a separate charge account to segregate costs associated with this Change Order until the change is definitized. The definitization schedule for this Change Order is as follows:</p> <p>10/08/14 - Cost and Technical Proposal (estimated) 09/30/14 - Change Order Issued (estimated) 11/22/14 - Independent Government Cost Estimate Received (estimated) 12/22/14 - Technical Evaluation Complete (estimated) 02/10/15 - Price Negotiation Memorandum Complete (estimated) 02/20/15 - Begin Negotiations (estimated) 03/02/15 - Definitize Change Order via Fully Executed Contract Modification (estimated)</p> <p>This change order will be definitized by March 2, 2015. All other terms and conditions remain unchanged. Payment: OR for ORP U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4307 Oak Ridge TN 37831</p> <p>Period of Performance: 06/20/2008 to 09/30/2016</p>				

ATTACHMENT

Statement of Work

Integrated Disposal Facility Performance Assessment

DE-AC2-08RV14800, Modification 285

Total Pages: 3 (including this cover page)

Planning Direction – Customer Expectations

Please prepare a Performance Assessment (PA) for the Integrated Disposal Facility (IDF) currently located on the Hanford Site in the 200 East Area.

Direction Previously Provided to CH2M HILL Plateau Remediation Company (CHPRC)

- The PA must be in compliance with the current DOE Order 435.1, *Radioactive Waste Management*. (At the time Revision A is issued, the U.S. Department of Energy (DOE), Office of River Protection (ORP) will make a determination on whether to incorporate into the Tank Operations Contractor (TOC) contract.)
- DOE letter (06-AMCP-0132, March 9, 2006) Hanford Groundwater Modeling Integration identify that the Tank Closure and Waste Management (TC&WM) Environmental Impact Statement (EIS) Modular Three-Dimensional Finite-Difference Groundwater Flow Model (MODFLOW) is the site wide groundwater model to be used for NEPA and DOE O 435.1 requirements in the future.
- DOE letter (06-AMCP-0174, March 31, 2006) identifying the TC&WM EIS cumulative impacts analysis will be used to meet DOE O 435.1 requirements for a composite analysis after the TC&WM EIS is completed.
- Data and analysis from 2005 IDF PA is not to be used.
- PA should be consistent with DOE decisions identified in the TC&WM EIS Record of Decision.
- TC&WM EIS technology transfer document (April 2013) and data call response (May 2013) constitute the final transfer of EIS model capability.
- Activities are structured to meet requirements for Hanford Site modeling imposed in Williams (2012) DOE-Environmental Management memorandum.
- Waste Management Area-C PA scoping will support IDF PA scoping and thereby reduce time.
- Waste form and dissolution rate data for waste streams provided by November 30, 2014, to meet PA schedule.
- A risk budget tool is needed to support PA scoping process as a means to quickly assess parameter and process influence.
- During risk budget tool development, ORP and Washington River Protection Solutions LLC (WRPS) will consult with the Washington State Department of Ecology (Ecology).
- Data and software will be managed in accordance with DOE O 414.1D.
- Coordinate with CHPRC to handoff/transition current planned scope and schedule of IDF PA revision.

Additional Planning Guidance

- WRPS must coordinate with the efforts to prepare the waste incidental to reprocessing determination for tank waste and both should target June 2019 for final approval.
- The proposal should use the TC&WM EIS modeling as the base case, in accordance with previous DOE guidance (the STOMP water mode vadose zone model and the MODFLOW flowfield). The proposal should also include modifications or updates to the modeling that the PA team proposes, and related incremental costs, clearly presented as separate elements.
- A summary analysis type document shall be prepared after scoping to reach agreement if deviations from the TC&WM EIS inventory, vadose zone, and groundwater model are necessary.
- The analysis should include a detailed approach that clearly articulates the direct feed low-activity waste initiative.
- A mass balance of key radionuclides, depicting the starting quantities and final disposition state for each alternative scenario analyzed, shall be documented. Any changes from the TC&WM EIS ROD, as well as the underlying technical data analyzed as part of the alternative underlying the ROD decision, needs to be documented to explain the rationale and data to support the change and be agreed to by ORP.
- An established configuration control and quality assurance protocol shall be defined and adhered to.
- Ecology and the Nuclear Regulatory Commission shall be consulted during the scoping phase of the project, which must be documented in the Primavera 6 schedule.