

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 4

2. AMENDMENT/MODIFICATION NO. 0221
3. EFFECTIVE DATE 07/19/2013
4. REQUISITION/PURCHASE REQ. NO.
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 00603
7. ADMINISTERED BY (If other than Item 6) CODE 00603

Office of River Protection
U.S. Department of Energy
Office of River Protection
P.O. Box 450
Richland WA 99352

Office of River Protection
U.S. Department of Energy
Office of River Protection
P.O. Box 450
MS: H6-60
Richland WA 99352

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
WASHINGTON RIVER PROTECTION SOLUTIONS LLC
Attn: KAREN VACCA
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)

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
DE-AC27-08RV14800

10B. DATED (SEE ITEM 13)
05/29/2008

CODE 806500521 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 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 (August 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 0 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 direct WRPS to begin work on the Option 2 Direct Feed High level Business Case. All work shall be in accordance with the attached Statements of work. The Not to Exceed (NTE) value of this action is \$187,000.
WRPS shall submit a technical proposal for the scope of work, with a schedule and cost estimate within 45 days of receipt of this Change Order. In accordance with Clause I-103A, FAR 52.243-6, Change 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 definization schedule for this Change Order is a follows:

8/29/2013- Receipt of Proposals from WRPS
9/20/2013 - Begin Negotiations
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) Susan C. Johnson
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 07/19/2013

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC27-08RV14800/0221

PAGE OF
2 4

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>9/20/2013 - Begin Negotiations 9/26/2013 - Definitize Change Order via Fully Executed contract Modification</p> <p>Payment: OR for ORP U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4307 Oak Ridge TN 37831 Period of Performance: 06/20/2008 to 09/30/2013</p>				

Attachment 1

DE-AC27-08RV14800, MODIFICATION 221

Statement of Work

Direct Feed High Level Waste Business Case Option 2

DF HLW Business Case Option 2 Scope Statement

General Scope

WRPS is requested to support DOE-ORP in further development of a Business Case regarding the capability to direct feed the High-Level Waste facility. It is anticipated that Bechtel National Inc. will also support this activity.

WRPS was authorized via Contract Modification Number DE-AC27-08RV14800 to develop a Business Case that represented Option 1 of *Scoping Plan for DF HLW Business Case*, Revision 1, dated May 28, 2013. The Business Case for direct feed of high-level waste (DF HLW) shall be further developed by the addition of Option 2 scope of the aforementioned Scoping Plan. Option 2 entails development of four additional preliminary flowsheets and HTWOS model runs described below:

- Case B3 – Tank Waste Characterization and Staging Facility (TWCSF) with Waste Preconditioning Facility (WPF)
- Case C1 – TWCSF with direct feed of low-Activity waste (DF LAW) and DF HLW
- Case D – TWCSF, WPF, and Intermediate Tankage Facility (ITF) with DF HLW
- Case D1 – TWCSF, WPF, and ITF with DF HLW and DF LAW

Results from the HTWOS model runs will be used to evaluate competing Tank Farm priorities such as impacts to retrieval activities, increased evaporator campaigns, available DST storage space, and length of mission.

In addition, the following will be included in the Business Case as it relates to the additional four cases:

- Facility flowsheet development
- Further development of the description of upgrades to the tank farms, which includes siting for new facilities
- Equipment Selection and Testing Strategy
- Environmental permitting and Nuclear Safety & Licensing (NS&L) strategy (amended as required)
- Development of scenario/system configuration risks
- Estimate/Schedule refinement from February 11, 2013 White Paper deliverable
- Development of a life-cycle cost estimates for each HTWOS model case

Deliverable

An update to DF HLW Business Case provided on August 29, 2013, which will include additional alternatives/cost benefit analysis as well as recommendations for the above listed items. The updated DF HLW Business Case shall be delivered no later than November 27, 2013.