

2. AMENDMENT/MODIFICATION NO. M066	3. EFFECTIVE DATE (M/D/Y) see block 16	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY U.S. Department of Energy Office of River Protection P. O. Box 450, MS H6-60 Richland, WA 99352	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code) Bechtel National, Inc. 2435 Stevens Center Place Richland, WA 99352	<input type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
	<input type="checkbox"/>	9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ ORDER NO. DE-AC27-01RV14136
	<input checked="" type="checkbox"/>	10B. DATED (SEE ITEM 13) December 11, 2000

CODE	FACILITY CODE
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11. THIS ITEM 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 ACKNOWLEDGE-MENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE DATE AND HOUR 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 amendment and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH IN ITEM 14.

<input type="checkbox"/>	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.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF: Mutual Agreement of the Parties and Clause I.82, FAR 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt. III (APR 1984)
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 2 copies to the issuing office.

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

This modification updates DOE Orders contained in Section C and Section J to incorporate DOE Order 414.1C "Quality Assurance" dated June 17, 2005. See attached page for details.

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) Jim Henschel, Project Director	16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print) J. Jeff Short, Contracting Officer
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA ORIGINAL SIGNED BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 10/24/2006

Description of Changes:

The following are hereby incorporated into the contract:

1. Section C, "Statement of Work" Part C.6 Standards, paragraph 1.0 "References" is changed to replace subparagraph 1.9 "National Consensus Standard AMSE/NQA-1, 1989, Revision (NQA-1)" with the following:

1.9 National Consensus Standard ASME/NQA-1, 2000.

2. Section C, Part C.5 Description of Contract Requirements and Deliverables, Table C.5-1.1 Deliverables, is changed as follows: Deliverable number. 6.11 "QA Provisions Document" is deleted in its entirety.
3. Section C, Part C.6, Standard 7, paragraph (e)(3) "Quality Assurance (Table C.5-1.1, Deliverable 7.2)" the paragraph is deleted in its entirety and replaced with the following paragraph:

"The Contractor shall develop a QA Program, documented in a QA program manual(s), and supported by documentation that describes overall implementation of QA requirements. Supporting documentation shall include procedures, instructions, plans, and manuals used to implement the Contractors QA program within the Contractors scope of work. Specific requirements for process development, waste form qualification and testing are described in Standards 2 and 6. The Contractor's QA program manual(s) shall be submitted to DOE for review and approval (Table C.5-1.1, Deliverable 7.2). The Contractor shall utilize a technically defensible graded approach to develop the QA program based upon the requirements of:"

4. Section C, Part C.6, Standard 7, paragraph (e)(3), subparagraphs (i), (ii) [but not subparagraphs "(A)" or "(B)"], (iv) and (v) are hereby deleted in their entirety and replaced with the following subparagraphs:
 - (i) QA for radiological, nuclear, and process safety shall be conducted in accordance with 10 CFR 830, Subpart A and DOE O 414.1C.
 - (ii) QA for process development, waste form qualification and testing shall be conducted as described in Standards 2 and 6. QA program requirements for all HLW and ILAW work shall be covered by the approved QA program. The QA program manual(s) shall address the following requirements:

- (iv) QA for facilities, projects, and secondary waste not subject to the above requirements shall be done in accordance with DOE Order 414.1C. The Contractor shall maintain its Quality Assurance program in accordance with DOE Order 414.1C. The Contractor has the option to not incorporate the elements of ANSI/ASQ Q 9001-2001, 'Quality Assurance System Requirements (for non-nuclear activities),' which is referenced in the Contractor requirements Document of DOE Order 414.1C.
 - (v) The Contractor may be required to use additional consensus standards in order to describe and implement a fully functional, systematic QA program for nuclear facility construction or for nuclear safety-related work. The RPP adopted the NQA-1-2000 as the primary QA reference document and the Contractor shall utilize this standard to help achieve the quality objectives of this contract, as necessary.
5. Section C, Part C.6, Standard 7, paragraph (e)(3), subparagraph (ii)(B) is deleted in its entirety and replaced with the following paragraphs:

“The Contractor shall implement the National Consensus Standard ASME NQA-1-2000, Part I and Part II, Subpart 2.7 for elements of the Contractor’s scope that may affect product quality of the Immobilized Low-Activity Waste (ILAW) product, entrained solids, and sludge washing, including, but not limited to, waste form development, qualification, characterization, production process control, certification of ILAW product, entrained solids, and sludge washing. Furthermore, all research and technology activities (other than IHLW – see (A)), shall be conducted in accordance with NQA-1.”

6. Section C, C.8 Operational Specifications, Specification 2, paragraph 2.3 “Quality Assurance” is deleted in its entirety and replaced with the following:

“Quality Assurance: A QA Program (Table C.5-1.1, Deliverable 7.2) for ILAW Product development, qualification, characterization, and certification is required and shall be based upon NQA-1, unless exceptions are agreed upon by the contracting parties. The QA Plan shall address the QA/quality control requirements addressed in SW-846 and WAC 173-303-806.”

7. Section C, Part C.8 Operational Specifications, Specification 12, paragraph 12.3
“Quality Assurance” is deleted in its entirety and replaced with the following:

“Quality Assurance: QA Program (Table C.5-1.1, Deliverable 7.2) for the work to be performed to determine the number of HLW canisters per batch of waste Envelope D is required. The QA Program shall be based upon NQA-1.”

8. Section J, Attachment E “List of Applicable Directives (List B-DEAR 970.5204.78),” paragraph (b) Table, is changed as follows. Remove: DOE O 414.1B 4/29/04;
Replace with: DOE O 414.1C 6/17/05.

(End of Mod M066)