

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE 1 OF 3 PAGES
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2. AMENDMENT/MODIFICATION NO. M196	3. EFFECTIVE DATE (M/D/Y) See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	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	7. ADMINISTERED BY (If other than Item 6)
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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 99354	<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 ACKNOWLEDGEMENT 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)
Various (see page 2)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH 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. <input checked="" type="checkbox"/> Clause I.82 FAR 52.243-2 CHANGES -- COST-REIMBURSEMENT (AUG 1987) -- ALTERNATE III (APR 1984) <input type="checkbox"/> Clause I.83 FAR 52.243-6 CHANGE ORDER ACCOUNTING (APR 1984)
<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 type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF:
<input type="checkbox"/>	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.)

See following page(s)

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) Ashley T. Morris Contracting Officer
15B. CONTRACTOR/OFFEROR <hr/> <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY ORIGINAL SIGNED BY <hr/> <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 17 Dec 2000

Modification Purpose:

- A. The purpose of this modification is to direct BNI to proceed with the Multiple Operational Readiness Review (ORR) strategy and CXP. BNI is authorized a not-to-exceed as follows:
 - 1. Multiple ORR - \$1,600,000
 - 2. CXP Equipment: \$1,800,000
- B. BNI shall submit a detailed technical and cost proposal for each action as follows:
 - 1. Multiple ORR – February 2011
 - 2. CXP Equipment – March 2011
- C. A bi-lateral modification definitizing this change order shall be executed no later than 180 days after receipt date of acceptable proposal for each action.
- D. This modification does not add 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.66,"FAR 52.232-22 Limitation of Funds (Apr 1984)."

Modification Description:

- A. BNI is directed to proceed with the Multiple Operational Readiness Review (ORR) strategy. The following portions of Section C are changed as follows:
 - 1. C.3 (b)(vi):

FROM:
 Provide oversight and approval of the Contractor’s operational readiness review process per DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190);

TO:
 Provide oversight and approval of the Contractor’s operational readiness reviews (M196) process per DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190);

- 2. Table C.5-1.1, Deliverables, Item No. 3.9

FROM:

3.9	Spare Parts List	Standard 3 [Std. 3 (c)(6)(ii, iii, & iv)]	C	D	COR (M131)	Prior to Completion of the Operational Readiness Review
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TO:

3.9	Spare Parts List	Standard 3 [Std. 3 (c)(6)(ii, iii, & iv)]	C	D	COR (M131)	Prior to Completion of the Operational Readiness Review(s) (M196)
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- 3. Standard 5 (a)(5):

FROM:
 Ensure WTP facilities, programs, and personnel are prepared for, and successfully complete an Operational

Readiness Review in accordance with DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190), prior to start of Hot Commissioning;

TO:

Ensure WTP facilities, programs, and personnel are prepared for, and successfully complete Operational Readiness Review(s) (M196) in accordance with DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190), prior to start of Hot Commissioning;

4. Standard 5 (c)(6):

FROM:

Identify planned actions to ensure readiness, prior to Hot Commissioning, for an Operational Readiness Review per DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190) (e.g., facility testing, programmatic controls, qualification of personnel, and regulatory permits).

TO:

Identify planned actions to ensure readiness, prior to Hot Commissioning of the associated facility, for Multiple (M196) Operational Readiness Reviews (ORRs) (M196) per DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190) (e.g., facility testing, programmatic controls, qualification of personnel, and regulatory permits). Planning should be based on multiple ORRs for the WTP facility. (M196)

5. Standard 5 (f):

FROM:

Operational Readiness Review: The WTP Operational Readiness Review process shall be conducted in accordance with DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190), prior to the start of Hot Commissioning

TO:

Operational Readiness Review(s) (M196): The WTP Operational Readiness Review process shall be conducted in accordance with DOE Order 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities* (A190), prior to the start of Hot Commissioning

- B. BNI is directed to proceed with CXP – Equipment Option as outlined in letter 10-AMD-139, dated May 6, 2010. Section C is modified to include new subparagraph (16) to C.7 Facility Specification (a) Functional Design Requirements (C.7 (a) (16)) as follows:

(16) Include the capability to manage tank waste streams to prevent or minimize undesirable precipitation. This capability shall include mitigation of precipitation following ultrafiltration using techniques including maintaining the post-filtration process stream above the filtration temperature. Approaches should minimize the need for sodium addition to provide life-cycle mission benefit.

- C. All other terms and conditions remain unchanged.

(End of Modification)