

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 OF 5
2. AMENDMENT/MODIFICATION NO. 286	3. EFFECTIVE DATE (M/D/Y) See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 12EM001477	5. PROJECT NO. (If applicable)
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
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.
CODE 396A5		<input type="checkbox"/>	9B. DATED (SEE ITEM 11)
FACILITY CODE 153392068		<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

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)

**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 1.82, FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) – Alternate III (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 ___ copies to the issuing office.

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

Reference Continuation Page(s)
Period of Performance: 12/11/2000 to 08/15/2019

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) George F. Champlain Contracting Officer	
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>George F. Champlain</i> <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 1 Oct 2012

Modification Purpose:

A. The purpose of this modification is to:

1. Direct BNI to continue with the performance of large scale testing (LST) to substantiate the committed design, reduce risk, and support design confirmation of pulse jet mixed vessels; to include meeting DOE commitments in *Implementation Plan for Defense Nuclear Safety Board Recommendation 2010-2* to perform testing of mixing, sampling, and transfer systems to ensure the WTP can operate safely; and
2. Authorize a not-to-exceed amount of \$49,000,000 (\$40,000,000 authorized via Modification 264 plus an additional \$9,000,000).

B. As a result of this modification, Section B, Supplies or Services and Prices/Costs; and Section J, List of Attachments, are revised as follows:

1. Section B, Clause B.2 Obligation and Availability of Funds and Contract Value, paragraph (c):
 - a) The Total Estimated Contract Cost is changed from \$10,630,020,420, to \$10,639,020,420, an increase of \$9,000,000.
 - b) The Total Estimated Contract Price is changed from \$11,237,923,681, to \$11,246,923,681, an increase of \$9,000,000.
2. The Table in Clause B.2, paragraph (c) is deleted in its entirety and replaced with the following table:

Cost:			
Total Estimated Contract Cost (TECC)			\$ 10,639,020,420
Fee:			
A	Final Fee Determination - Pre-Mod No. A143		\$ 102,622,325
B	Maximum Available Award Fee (See Table B-2-B-1)		\$ 127,280,936
B.1	Project Management Incentive	\$ 59,008,737	
B.2	Cost Incentive	\$ 66,024,000	
B.3	REA Settlement	\$ 2,248,199	
C	Schedule Incentive Fee		\$ 227,000,000
C.1	Activity Milestone Completion	\$ 173,000,000	
C.2	Facility Milestone Completion	\$ 54,000,000	
D	Operational Incentive Fee		\$ 91,000,000
D.1	Cold Commissioning	\$ 45,000,000	
D.2	Hot Commissioning	\$ 46,000,000	
E	Enhancement Incentive Fee		\$ 60,000,000
E.1	Enhanced Plant Capacity	\$ 15,000,000	
E.2	Sodium Reduction	\$ 15,000,000	
E.3	Enhanced Plant Turnover	\$ 15,000,000	
E.4	Sustained Production Achievement	\$ 15,000,000	
Total Maximum Available Fee (282)			\$ 607,903,261
Total Estimated Contract Price (TECP) (286)			\$ 11,246,923,681

3. Section J, Attachment J, Advance Understanding on Costs, Table 13-B is revised to incorporate Document ID. Modifications 247, 264 and 286. Table 13-B is deleted in its entirety and replaced with the following table:

13-B. Not-To-Exceeds Not Included in Modification No. A143 Definitization (M155)		
DOCUMENT ID.	TITLE	DEFINITIZATION MODIFICATION NO.
BCP-24590-06-02279	Expansion of DWP Requirements (permit Modifications) (M122) (M130)	A193
ORP 08-NSD-011 (05/20/08) (CCN 179512) TN 24590-06-03487	ORP Direction to Implement New Preliminary Safety Analysis Report (PSAR) Updates (M136)	A164
ORP 08-NSD-057 (10/09/08) (CCN 188218)	Direction to Implement New Safety Classification Process for the Waste Treatment and Immobilization Plant (WTP) (M141)	276

TN 24590-06-03752		
ORP 08-NSD-059 (10/15/08) (CCN 188217) TN 24590-06-03753	Direction to Implement New Justification for Continued Design, Procurement, and Installation (JCDPI) (M152)	A164
Modification M090 & 09-AMD-205 (07/18/08) (CCN 202423) TN 24590-06-02145 & -02381	Direction to Implement DOE 205.1A, Cyber Security Management Program (M155)	217
Modification M154 TN 24590-06-04133	Direction to Implement Pretreatment Engineering Platform (PEP) dry layup (M155)	A167
Modification M196 BCP 24590-06-04489 BCP 24590-06-04784 BCP 24590-06-05085	Direction to Implement Multiple Operational Readiness Strategy (218)	282
Modification M196 BCP 24590-06-04853 ORP 10-AMD-139 (05/06/10; CCN 218244)	Direction to Implement CXP Equipment Option (218)	
Modification 221 ORP 11-WTP-219 (06/17/11; CCN 236247); Modification 247 ORP 11-WTP-437 (12/01/11; CCN 242351); Modification 264 ORP 12-WTP-0109 (03/15/12); CCN 245985); Modification 286 ORP 12-WTP-317 (09/24/12)	Direction to Proceed with Large Scale Testing (MOD 221, MOD 247, MOD 264, MOD 286)	
Modification 273	Direction to participate in the Hanford Site Organizational Climate and Safety Conscious Work Environment (SCWE) Survey	
Modification 245 ORP 11-WTP-429	Direction to proceed with the implementation of DOE Order (O) 420.1B, <i>Facility Safety</i> , Chapter V, <i>Systems Engineer Program</i> . (245)	276

C. 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 B.2 "Obligation

and Availability of Funds and Contract Value", and clause I.66,"FAR 52.232-22 Limitation of Funds (Apr 1984)."

D. The definitization schedule for this effort is as follows:

Pre-Negotiation Discussions:	December 21, 2012
Complete Negotiations:	January 16, 2013
DOE-HQ Clearance:	February 18, 2013
REA Definitized:	March 3, 2013

Modification Description:

BNI is directed to continue with performance of large scale testing (LST), as specified in Section C, Statement of Work, Standard 2 Research, Technology, and Modeling, (a) Research and Technology Testing Program (3) Required Research and Technology Testing, (x) Vessel Mixing.

All other terms and conditions remain unchanged.

(End of Modification)