AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 329
   3. EFFECTIVE DATE (MDY) See Block 16C
   4. REQUISITION/PURCHASE REQ. NO. 
   5. PROJECT NO. (if applicable) 

6. ISSUED BY CODE 
   U.S. Department of Energy 
   Office of River Protection 
   P. O. Box 450, MS H16-60 
   Richland, WA 99352 

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code)
   Bechtel National, Inc. 
   2435 Stevens Center Place 
   Richland, WA 99354 

9A. AMENDMENT OF SOLICITATION NO. 
9B. DATED (SEE ITEM 11) 
10A. MODIFICATION OF CONTRACT/ORDER NO. 
10B. DATED (SEE ITEM 11) 
   DE-AC27-01RV14136 
   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. 

Offerors 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. 

☐ 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. 
   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). 
   C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE 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.) 

Reference Continuation 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) 
   15B. CONTRACTOR/OFFEROR 
   15C. DATE SIGNED 
   16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) 
   George F. Champlain 
   Contracting Officer 
   16B. UNITED STATES OF AMERICA 
   16C. DATE SIGNED 
   BY 
   (Signature of person authorized to sign) 
   (Signature of Contracting Officer) 

NSN 7540-01-152-00970 
PREVIOUS EDITION UNUSABLE 
30-105 
STANDARD FORM 30 (REV. 10-83) 
Prescribed by GSA 
FAR (48 CFR) 55.2-45
Modification Purpose:

1. The purpose of this modification is to issue a change order as follows:
   a. Section C, *Statement of Work*, is revised to initiate design of the Balance of
      Facilities (BOF) modifications to support Direct Feed of LAW (DFLAW) in the
      contract.
   b. The Contractor is directed to proceed with the workscope in Section C,
      *Statement of Work, Standard 3 Design*, paragraph (i) specified in the
      Modification Description below. The Contractor is directed to begin work
      immediately. The Contractor is authorized to incur costs up to a not-to-exceed
      (NTE) value of $8,988,000 consistent with the other contract terms and
      conditions and pending definitization of this change.

2. Negotiations will commence within 90 days of the date of this change order. A bi-lateral
   modification definitizing this change order shall be executed as soon as possible after the
   date of the change order, not to exceed 180 days.

3. The Contractor shall provide change order accounting in accordance with Clause I.83, FAR
   52.243-6, Change Order Accounting (APR 1984).

4. 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).

Modification Description:

1. Section C, *Statement of Work, Standard 3 Design*, is revised to incorporate the following
   language:

   (i) Design of BOF Utility Modifications:
   The current BOF Utility Facilities are designed for full WTP Operation, therefore
   modification of these facilities will be required to support reduced throughput
   during DFLAW operation. Design modifications shall include; updating of
   control system software, providing for mechanical and electrical isolation,
   updating of all engineering primary documents and/or calculations, new
   instrumentation, providing piping modifications for extended layup, piping
   modifications for secondary headers with additional pumps, and new major pieces
   of equipment such as air compressors. Safety evaluations, permitting, and hazard
   analyses to perform the modifications are included in the scope of work.
2. A Not-to-Exceed value of $8,988,000 is hereby established. As a result, the table in Section B, Supplies or Services and Prices/Costs, Section B.2, Obligation and Availability of Funds and Contract Value, paragraph (c) is revised as follows:

- The Total Estimated Contract Cost (TECC) is increased by $8,988,000, from $10,720,032,496 to $10,729,020,496.
- The Total Estimated Contract Price (TECP) is increased by $8,988,000, from $11,315,156,036 to $11,324,144,036.

The table in Section B, Supplies or Services and Prices/Costs, Section B.2, Obligation and Availability of Funds and Contract Value, paragraph (c) is deleted in its entirety and replaced in full as follows:

<table>
<thead>
<tr>
<th>Fee:</th>
<th>Cost:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Final Fee Determination - Pre-Mod No. A143</td>
<td>Total Estimated Contract Cost (TECC) (329)</td>
</tr>
<tr>
<td>B Maximum Available Award Fee (See Table B-2-B-1)</td>
<td></td>
</tr>
<tr>
<td>B.1 Project Management Incentive</td>
<td>$ 54,744,797</td>
</tr>
<tr>
<td>B.2 Cost Incentive</td>
<td>$ 54,358,760</td>
</tr>
<tr>
<td>B.3 REA Settlement</td>
<td>$ 6,397,568</td>
</tr>
<tr>
<td>C Schedule Incentive Fee</td>
<td>$ 227,000,000</td>
</tr>
<tr>
<td>C.1 Activity Milestone Completion</td>
<td>$ 173,000,000</td>
</tr>
<tr>
<td>C.2 Facility Milestone Completion</td>
<td>$ 54,000,000</td>
</tr>
<tr>
<td>D Operational Incentive Fee</td>
<td>$ 91,000,000</td>
</tr>
<tr>
<td>D.1 Cold Commissioning</td>
<td>$ 45,000,000</td>
</tr>
<tr>
<td>D.2 Hot Commissioning</td>
<td>$ 46,000,000</td>
</tr>
<tr>
<td>E Enhancement Incentive Fee</td>
<td>$ 60,000,000</td>
</tr>
<tr>
<td>E.1 Enhanced Plant Capacity</td>
<td>$ 15,000,000</td>
</tr>
<tr>
<td>E.2 Sodium Reduction</td>
<td>$ 15,000,000</td>
</tr>
<tr>
<td>E.3 Enhanced Plant Turnover</td>
<td>$ 15,000,000</td>
</tr>
<tr>
<td>E.4 Sustained Production Achievement</td>
<td>$ 15,000,000</td>
</tr>
</tbody>
</table>

Total Maximum Available Fee | $ 595,123,540 |

Total Estimated Contract Price (TECP) (329) | $ 11,324,144,036 |
3. Contract Section J, *List of Attachments*, Attachment J, *Advance Understanding on Costs*, Table 13-B, *Not-to-Exceeds Not Included in Modification No. A143 Definitization (M155)*, is deleted in its entirety and replaced in full as follows:

<table>
<thead>
<tr>
<th>DOCUMENT ID.</th>
<th>TITLE</th>
<th>DEFINITIZATION MODIFICATION NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCP-24590-06-02279</td>
<td>Expansion of DWP Requirements (permit Modifications) (M122) (M130)</td>
<td>A193</td>
</tr>
<tr>
<td>ORP 08-NSD-011 (05/20/08) (CCN 179512)</td>
<td>ORP Direction to Implement New Preliminary Safety Analysis Report (PSAR) Updates (M136)</td>
<td>A164</td>
</tr>
<tr>
<td>TN 24590-06-03487</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORP 08-NSD-057 (10/09/08) (CCN 188218)</td>
<td>Direction to Implement New Safety Classification Process for the Waste Treatment and Immobilization Plant (WTP) (M141)</td>
<td>276</td>
</tr>
<tr>
<td>TN 24590-06-03752</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORP 08-NSD-059 (10/15/08) (CCN 188217)</td>
<td>Direction to Implement New Justification for Continued Design, Procurement, and Installation (JCDPI) (M152)</td>
<td>A164</td>
</tr>
<tr>
<td>TN 24590-06-03753</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modification M090 &amp; 09-AMD-205 (07/18/08) (CCN 202423)</td>
<td>Direction to Implement DOE 205.1A, Cyber Security Management Program (M155)</td>
<td>217</td>
</tr>
<tr>
<td>TN 24590-06-02145 &amp; -02381</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modification M154 TN 24590-06-04133</td>
<td>Direction to Implement Pretreatment Engineering Platform (PEP) dry layup (M155)</td>
<td>A167</td>
</tr>
<tr>
<td>Modification M196 BCP 24590-06-04489 BCP 24590-06-04784 BCP 24590-06-05085</td>
<td>Direction to Implement Multiple Operational Readiness Strategy (218)</td>
<td>282</td>
</tr>
<tr>
<td>Modification M196 BCP 24590-06-04853 ORP 10-AMD-139 (05/06/10; CCN 218244)</td>
<td>Direction to Implement CXP Equipment Option (218)</td>
<td></td>
</tr>
<tr>
<td>Modification 221 ORP 11-WTP-219 (06/17/11; CCN 235247); Modification 247 ORP 11-WTP-437</td>
<td>Direction to Proceed with Large Scale Testing (MOD 221, MOD 247, MOD 264, MOD 286)</td>
<td>299 - Partial</td>
</tr>
<tr>
<td>Modification</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>273</td>
<td>Direction to participate in the Hanford Site Organizational Climate and Safety Conscious Work Environment (SCWE) Survey</td>
<td></td>
</tr>
<tr>
<td>245</td>
<td>Direction to proceed with the implementation of DOE Order (O) 420.1B, Facility Safety, Chapter V, Systems Engineer Program. (245)</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>Direction to Proceed with Full Scale Vessel Testing Program in lieu of the existing Computational Fluid Dynamics and Large Scale Vessel testing Program as a Design Verification Tool (300, 304, 313)</td>
<td></td>
</tr>
<tr>
<td>329 ORP 14-CPM-0172</td>
<td>Direction to proceed with Section C, Statement of Work, Standard 3 Design, paragraph (j) Design of BOF Utility Modifications</td>
<td></td>
</tr>
</tbody>
</table>

4. All other terms and conditions remain unchanged.

*(End of Modification)*