AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE 1 OF PAGES 12

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE *(M/D/Y)*	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
332	See Block 16C		

6. ISSUED BY CODE	7. ADMINISTERED BY *(If other than Item 6)* CODE
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)*		9A. AMENDMENT OF SOLICITATION NO.
Bechtel National, Inc. **2435 Stevens Center Place** **Richland, WA 99354**	☐	9B. DATED *(SEE ITEM 11)*
	☒	10A. MODIFICATION OF CONTRACT/ ORDER NO. **DE-AC27-01RV14136** 10B. DATED *(SEE ITEM 13)* **December 11, 2000**
CODE 396A5	FACILITY CODE 153392068	

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.
☐	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: FAR 43.103(a)(3) – Types of Contract Modifications - Bilateral
☐	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.)*

Reference Continuation Page(s)
Period of Performance: 12/11/2000 to 8/15/2019

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)*
~~Margaret G. McCullough~~ Scott S Chandler ~~Project Director~~ Manager-Contracts	**George F. Champlain** **Contracting Officer**

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)	10/1/14	BY *(Signature of Contracting Officer)* George F. Champlain	1 Oct 2014

Purpose of Modification:

The purpose of this modification is to make the following changes:

1. Section C, Statement of Work, is revised as follows:

   a. Contract Section C.6, Standard 1 (d)(6) is revised to reflect the deletion of DOE M 231.1-1A.

   b. Contract Section C.6, Standard 7, Table S7-1 is revised to delete reference of 231.1-1A and replace with SCRD O 232.2.

2. Section I, Contract Clauses, is revised as follows:

   a. Contract Section I.113 DEAR 970.5204-31 Insurance – Litigation and Claims (JUN 1997) is revised in the index section to reflect new clause DEAR 952.231-71 Insurance – Litigation and Claims

3. Section J, List of Attachments, is revised as follows:

   a. Attachment E, List of Applicable Directives (List B-DEAR 970.5204.78), is revised to update current list of Directives.

   b. Attachment F, Key Personnel, is revised to update current list of Key Personnel.

   c. Attachment J, Advance Understanding on Costs, Item 12 is revised to reflect current approval of The Employee Referral Bonus Program.

Description of Modification:

1. Section C, Statement of Work, is revised as follows:

   a. Contract Section C.6, Standard 1(d)(6) reference to DOE Manual 231.1-1A is deleted. Modification 310 implemented an updated version for DOE O 231.1B, CRD which supersedes and cancels DOE M 231.1-1A. Modification 332 deletes reference to DOE M 231.1-1A:

(6) Environment, Safety, and Health Reporting: In addition to the *Occupational Safety and Health Act of 1970* and the *Price Anderson Amendments Act of 1988* (10 CFR 820) reporting requirements, the Contractor shall report all information specified in DOE Order 231.1B (310). ~~The process and form of reporting will meet the requirements of DOE Manual 231.1-1A, Change 2, *Environment, Safety and Health Reporting Manual.*~~ (332) The Contractor process will specify this requirement in contracts down to the lowest-tier subcontractor. The Contractor process will accumulate and provide a single report responding to requirement information for both the Contractor and all subcontractors (Table C.5-1.1, Deliverable 1.9). For occurrence reporting the Contractor shall adhere to the requirements of the Supplemental Contractor Requirements Document (SCRD) of DOE Order 232.2 **(256)**.

b. Contract Section C.6, Standard 7, Table S7-1 is revised to replace reference of 231.1-1A with SCRD O 232.2. Modification 268 incorporated Revision 1 of SCRD O 232. However, table S7-1 in Section C.6 of the contract was not revised to reflect the change. Modification 332 deletes reference to DOE M 231.1-1A and replaces with SCRD O 232.2:

Table S7-1. Environment, Safety, Quality, and Health Deliverables

Regulatory Action	Deliverable	References	During Construction	Start of Hot Commissioning
Standards Approval	Safety Requirements Document,	ORP letter 01-OSR-0311, dated September 17, 2001	Revision	Revision
	Quality Assurance Program	10CFR830.120, NQA-1 2000	Revision	Revision
Authorization for Hot Commissioning	Emergency Response Plan	DOE/RL-94-02	Draft	Final
	Maintenance Implementation Plan	WAC246-247	Draft	Final
	Occurrence Reporting Plan	~~DOE Manual 231.1-1A, Environmental Safety, and Health Reporting Manual~~ SCRD O 232.2 Occurrence Reporting and Processing of Operations Information (332)	Draft	Final
	Environmental Protection Program	29CFR1910, 40CFR68	Draft	Final
	Radiation Protection Program	10 CFR 835	Revision	Final

(Entire Table revised M166)

2. Section I, Contract Clauses, is revised as follows:

a. Contract Section I.113 DEAR 970.5204-31 Insurance – Litigation and Claims (JUN 1997) is deleted in the index section and replaced by new clause DEAR 952.231-71 Insurance – Litigation and Claims as follows (clause DEAR 970.5204-31 was deleted in Modification 321 and replaced by DEAR 952.231-71, however the index section was not updated to reflect the new clause):

~~I.113.....DEAR 970.5204-31 – INSURANCE – LITIGATION AND CLAIMS (JUN 1997).....131~~

I.113.....DEAR 952.231-71 INSURANCE – LITIGATION AND CLAIMS (JULY 2013).....131 (332)

3. Section J, List of Attachments, is revised as follows:

   a. Attachment E, List of Applicable Directives (List B-DEAR 970.5204.78), is revised to update current list of Directives.

      Attachment E, List of Applicable Directives, is replaced in its entirety with the following for the table in (b):

      (b) Additional Directives applicable to this Contract. The directive(s) or applicable section(s) of the directive(s) are applied as specified in other Sections of this Contract.

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
~~06-AMD-050 (CCN 144548)~~	~~08/28/06~~	DELETED (310)	DELETED (310)
DOE/RL-88-21	10/01/96 12/21/99	Double-Shell Tank Unit Permit Application	Contract Clause C.6, Standard 7(e)(4)(vi)(B) & Contract Clause C.8, Specification 7, 7.2.1.4 and 7.2.2.1; Specification 8, 8.2.1.4 and 8.2.2.1 **(M175)**
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High Level Waste Forms (WAPS) Revision 2 **(M114)**	Contract Clause C.8, Specification 1, 1.2.1.4 and 1.2.2.1.1 **(M175)**
DOE/RL-94-02, Rev 5	12/1/12	Hanford Emergency Management Plan (Revision 5, December 2012) **(A197)(310)**	Contract Clause C.6, Standard 4(j) and Standard 7(e)(1) Table S7-1 **(M175)** Refer to Note 5 **(A197)**
DOE M 140.1-1B, CRD	03/30/01	Interface with Defense Nuclear Facilities Safety Board.	Contract Clause C.4 (d) **(M175)**
DOE O 142.3A, CRD	10/14/10	Unclassified Foreign Visits and Assignments Program. **(M047) (M124) (204)**	The order is effective regardless of comment above at (b) **(M175)**
~~DOE O 205.1A, CRD~~	12/4/06	DELETED **(M194)**	
~~DOE M~~		DELETED **(M175)**	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
~~205.1-2~~			
~~DOE M 205.1-5, CRD~~		DELETED **(M194)**	
~~DOE M 205.1-6, CRD~~		DELETED **(M194)**	
~~DOE M 205.1-7, CRD~~		DELETED **(M194)**	
~~DOE M 205.1-8, CRD~~		DELETED **(M194)**	
DOE O 206.1, CRD	01/16/09	DOE Privacy Program **(235)**	The order is effective regardless of comment above at (b). Contractor shall implement in accordance with CCN 231161 **(321)**
DOE O 206.2, CRD	01/19/13	Identity, Credential, and Access Management **(307)**	The order is effective regardless of comment above at (b) **(307)**
DOE O 210.2A, CRD	04/8/11	DOE Corporate Operating Experience Program **(M077) (310)**	Contract Clause H.49 **(M175)** Refer to Note 10 **(310)**
DOE O 221.1A, CRD	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General. **(M133)**	Refer to Note 3 **(M175)**
DOE O 221.2A, CRD	02/25/08	Cooperation with the Office of Inspector General. **(M133)**	Refer to Note 3 **(M175)**
DOE O 226.1B, CRD	04/25/11	Implementation of Department of Energy Oversight Policy **(M069) (M108)(310)**	Contract Clause H.46 **(M175)**Refer to Note 11 **(310)**
DOE O 231.1B	6/27/2011	Environment, Safety, and Health Reporting **(M033) (310)**	Contract Clause C.6, Standard 1(d)~~(5) and~~ (6) **(M175) (310)**
~~DOE M 231.1-1A, Change 2, CRD~~		DELETED **(332)**	
~~DOE M 231.1-2, CRD~~		DELETED **(256)**	
~~SCRD M 231.1-2~~		DELETED **(256)**	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
SCRD O 232.2 Admin. Change 1 (332)	8/30/11	Occurrence Reporting and Processing of Operations Information, Revision 1 **(268)**	Contract Clause C.6, Standard 1(d)(5) and (6). Contractor shall implement in accordance with CCN 269738 (332)
~~HFID 232-1B~~		DELETED **(256)**	
~~DOE N 234.1, CRD~~	~~02/27/08~~	DELETED (310)	DELETED (310)
~~DOE O 241.1, CRD~~	~~08/17/98~~	DELETED (310)	DELETED (310)
DOE/RW-0333P	10/01/08	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 20 **(M099) (M134)**	Contract Clause C.6, Standard 2(a)(2)(v), Standard 5(d), and Standard 7(e)(3)(ii)(A) and Contract Clause C.8, Specification 1, 1.2.1.7, 1.2.2.1.1, and 1.3 **(M175)**
DOE O 350.1, Chg 3, CRD	02/23/10	Contractor Human Resource Management Program **(M171) (M175)**	Contract Clause H.37 **(M175)**
DOE/RW-0351	5/31/07	Waste Acceptance System Requirements Document (WASRD) - Revision 5 **(M114)**	Contract Clause C.6, Standard 2(a)(3)(vii)(E) and Standard 6(c)(2) and Contract Clause C.8, Specification 1, 1.2.1.3 and 1.2.2.1.1 **(M175)**
~~DOE O 413.3A, CRD~~	~~07/28/06~~	DELETED **(271)**	
~~DOE M 413.3-1~~	~~03/28/03~~	DELETED **(271)**	
DOE O 413.3B, CRD	11/29/10	Program and Project Management for the Acquisition of Capital Assets. Refer to Note 7 for implementation **(271)**.	Contract Clause C.3, paragraph (b), sub-paragraph (1), item (ix), C.6, Standard 1, opening paragraph, (a), (b)(3) and (c)(1) and Standard 5(a)(6) and (k).
DOE O 414.1C, CRD	06/17/05	Quality Assurance (M066)	Contract Clause C.6, Standard 7(e)(3)(i) & (iv) (M175)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE O 420.1B, Chapter V	12/22/05	Facility Safety (245)	The order is effective regardless of comment above at (b)
DOE O 422.1, CRD	06/29/10	Conduct of Operations **(207)**	The notice is effective regardless of comment above at (b). Contractor shall implement consistent with CCN 229138.
DOE O 425.1D, Chg 1, CRD	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities (M033) (A190)(310)	Contract Clause C.6, Standard 5(a)(5), (c)(6), (e)(2), (f)(ii), and (g) (M175)
DOE O 435.1, Chg 1, CRD	08/28/01	Radioactive Waste Management.	Implementation of this DOE CRD using the graded approach; approved by 05-WED-047; CCN 136281 satisfies the comment above at (b). (M130) (M175) (278)
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual	Contract Clause C.8, Specification 2, 2.2.1.13, 2.2.2.23, & 2.4 (M175)
DOE M 441.1-1, CRD	03/07/08	Nuclear Material Packaging	The manual is effective regardless of comment above at (b) (M130) (M175)
DOE O 442.2, CRD	07/29/11	Differing Opinions for Technical Issues Involving Environment, Safety, and Health **(271)**	The order is effective regardless of comment above at (b) and implemented as described in CCN 246747.
DOE O 442.1A & Supplemented Rev. ~~2~~ 3 (332) CRD (293)	06/06/01	Department of Energy Employee Concerns Program (A029) (293)	The order is effective regardless of comment above at (b) (M175) and implemented as described in CCN 249676. **(293)** Contractor shall implement in accordance with CCN 266683. (332)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
~~DOE M 442.1-1 CRD~~		DELETED (271)	
~~DOE M 450.4-1, CRD~~	~~11/01/06~~	DELETED (310)	DELETED (310)
DOE M 470.4-1, CRD	08/26/05	Safeguards and Security Program Planning and Management (M136) (M171)	Refer to Note 1 (M175)
~~DOE M 470.4-2A, CRD~~	~~07/23/09~~	DELETED (310)	DELETED (310)
DOE M 470.4-4A	01/16/09	Information Security Manual (M145)	Refer to Note 2 (M175)
DOE O 471.3, CRD	4/9/03	Identifying and Protecting Official Use Only Information (M087)	Contract Clause H.50 (M175)
DOE M 471.3-1, Chg 1, CRD	4/9/03	Manual for Identifying and Protecting Official Use Only Information (M087) (310)	Contract Clause H.50 (M175) Refer to Note 12 (310)
DOE O 475.1, CRD	12/10/04	Counterintelligence Program (M071)	Contract Clause C.6, Standard 8(c) (M175)
DOE/RW-0511, Volume I, Rev. ~~3~~ 4	~~01/2007~~ 03/07/2008	Integrated Interface Control Document (IICD), High-Level Radioactive Waste and U.S. Department of Energy and Naval Spent Nuclear Fuel to the Civilian Radioactive Waste Management System (M114)	Contract Clause C.8, Specification 1, ~~1.2.1.10~~ 1.2.1.5 and 1.2.2.1.1 **(321)**
DOE O 551.1D, CRD	04/02/12	Official Foreign Travel. Refer to Note 4. (M141) (M175) (283)	Contract Clause I.109 (M175). Implemented in accordance with CCN 243970 and 12-WTP-0272 (CCN 251792). (283)
DOE-HDBK-1092-2004, Appendix A	12/2004	DOE Electrical Safety Handbook. Refer to Note 6 (209)	The order is effective regardless of comment above at (b).
~~RL/REG-2000-04~~	~~07/03~~	DELETED (215)	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
~~DOE/ORP-2000-06~~		Deleted through Contract Modification M082 (M175)	
~~DOE STD 3009~~	~~1994~~	DELETED (310)	DELETED (310)
~~DOE O 5480.20A, Change 1, CRD~~	~~07/12/01~~	DELETED (310)	DELETED (310)
SCSP	5/9/06	Richland Regional Office Site Counterintelligence Support Plan Hanford Site - Bechtel National, Inc. (M071)	Contract Clause C.6, Standard 8(c) (M175)
DOE-0361	03/28/11	Hanford Site-Wide Emergency Planning and Community Right-to-know Act (EPCRA) procedure (310)	The order is effective regardless of comment above at (b).
HNF-EP-0063	02/01/11	Hanford Site Solid Waste Acceptance Criteria (310)	The order is effective regardless of comment above at (b).
DOE/RL-2001-36, Rev 1E, Appendix I.7	05/01/11	ILAW Special Packaging Authorization of the Hanford Sitewide Transportation Safety Document (310)	Implemented per C.8, Specification 2, 2.2.1.21 and 2.2.2.10. (293)
DOE O 151.1C, CRD	11/02/05	Comprehensive Emergency Management System (310)	Implemented in accordance with DOE/RL-94-02.
DOE O 473.3, CRD	06/29/11	Protection Program Operations (310)	The order is effective regardless of comment above at (b).
DOE O 426.2, CRD	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities (310)	Contract Clause C.3(f)(6) (321), Refer to Note 8 (310)
DOE O 225.1B	03/04/11	Accident Investigations (310)	Refer to Note 9 (310)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE STD 3009	1994	Preparation Guide for DOE Nonreactor Nuclear Facility Safety Analysis Reports (Change Notice 3, March 2006) (A029) (M152) (321)	Contract Clause C.6, Standard 9, paragraph 2. (321)

Notes:

1. Implementation of DOE M 470.4-1, CRD includes the following Sections:
   - Section A, *Safeguards and Security Program Planning and Management*
   - Section F, *Performance Assurance Program*
   - Section G, *Survey, Review, and Self-Assessment Programs*
   - Section I, *Facility Clearances and Registration of Safeguards and Security Activities*
   - Section J, *Safeguards and Security Training Program*
   - Section K, *Safeguards and Security Awareness Program*
   - Section N, *Incidents of Security Concern*

   Please refer to CCN 182640 for detailed information on the implementation of each section.
2. Contractor scope of DOE M 470.4-4A is limited to the OPSEC requirements listed in ORP Letter 08-ESQ-318 (CCN 192555) which states that the following actions are required:
   - Appoint an OPSEC Representative;
   - Ensure the OPSEC Representative attend Hanford OPSEC Working Group meetings on a quarterly basis;
   - Obtain OPSEC/Security Awareness Posters from Project Hanford Management Contracts Safeguards and Security Awareness Manager and ensure they are posted in BNI working areas; and
   - Annually conduct three OPSEC Reviews/Assessments of BNI work areas.
3. The Contractor shall implement DOE O 221.1, CRD and DOE O 221.2, CRD into all new subcontract awards beginning January 1, 2003, except for those acquisitions for commercial items and for any new acquisition awards under $100,000. DOE O 221.1A, DOE and DOE O 221.2A, CRD shall be implemented into all new subcontract awards beginning October 01, 2008, using the same criteria. Flow down of the requirements of these DOE Order CRDs to Subcontractors using these criteria meets the intent of ensuring compliance with the DOE Order CRD requirements.
4. This Order deemed to be the "subsequent version of the order in effect at the time of award" per DEAR 952.247-70.
5. The Contractor shall implement Rev. 4 (June 2010) of DOE/RL-94-02 over a period of one year as described in CCNs 207914 and 227444 (10-WTP-291).
6. The Contractor shall implement DOE-HDBK-1092-2004, Appendix A, as described in 10-WTP-327 (CCN 229364) and CCN 229141.
7. The Contractor shall implement DOE O 413.3B, as described in CCN 242792 and 12-WTP-0159.
8. The Contractor shall implement DOE O 426.2, CRD, as described in CCN 249671.
9. The Contractor shall implement DOE O 225.1B, as described in CCN 249671.
10. The Contractor shall implement DOE O 210.2A, CRD, as described in CCN 249671.
11. The Contractor shall implement DOE O 226.1B, CRD, as described in CCN 249671.
12. The Contractor shall implement DOE M 471.3-1, Chg 1, CRD, as described in CCN 249671.

b. Attachment F, Key Personnel, is revised to update current list of Key Personnel as follows:

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT F – KEY PERSONNEL

Key Position **(M110) (M130) (M133) (M147) (M152) (M158) (A164) (M181) (206) (208) (242) (261) (276) (291) (303) (308) (332)**	**Current Employee**
Project Director	Margaret McCullough
Project Manager	Joseph St. Julian
Manager of Design, Operations & Integration	Edward (Ward) Sproat
Manager of Environment, Safety & Health	Richard Nugent
Manager of Nuclear Safety Engineering	Robert (R.T.) Brock
Manager of Quality	Linda M. Weir
Plant Operations Manager	Ken Wells
Project Technical Director & Design Authority	Russell Daniel
Manager of Production Engineering	Mark Johnson
Manager of Commissioning & Operations	Mark Lindholm
Manager of Construction	Scott A. Neubauer
Business Services Manager	Lori Baker

c. Attachment J, Advance Understanding on Costs, Item 12 is revised to reflect current approval of The Employee Referral Bonus Program:

The Contractor's Employee Referral Bonus Program is an allowable cost for a period of two years, from March 26, 2007 to March 25, 2009, with a not-to-exceed total cost of $150,000, and

one year from March 4, 2014 with a not-to-exceed total cost of $100,000. The Contractor shall prorate the $2,500 bonus over the new hire's first year of employment should the new hire leave the project prior to completing one year of employment (332). The policies establishing the program, and the applicable time periods are:

- Program as contained in contractor letter, CNN 146882, dated March 13, 2007, applies to the period March 26, 2007 through March 25, 2008.
- Program as contained in contractor letter CCN 162480, dated April 1, 2008, applies to the period March 26, 2008 through March 25, 2009. **(M086, M123)**
- Program as contained in contractor letter CCN 259128, dated December 13, 2013, and DOE letter CCN 266666, dated March 4, 2014, applies to the period March 4, 2014 through March 3, 2015 (332).

4. All other terms and conditions remain unchanged.

(End of Modification)