

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE 1	OF	PAGES 16
2. AMENDMENT/MODIFICATION NO. 366		3. EFFECTIVE DATE (M/D/Y) See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		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				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				9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 396A5 FACILITY CODE 153392068				<input checked="" type="checkbox"/>		10A. MODIFICATION OF CONTRACT/ ORDER NO. DE-AC27-01RV14136	
						10B. DATED (SEE ITEM 13) December 11, 2000	
11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> 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 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: Clause 1.82, FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) – Alternate III (APR 1984)						
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> 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.)							
See following 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) Margaret G. McCullough Project Director				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Katie Mair Contracting Officer			
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)				15C. DATE SIGNED 3/28/16		16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	
						16C. DATE SIGNED 4/11/16	

Purpose of Modification:

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

1. Section B, Supplies or Services and Prices/Costs, is updated to make the following changes to incorporate the 2016 PEMP, Rev. 1, dated February 9, 2016, numbers:
 - a. Revise B.3 Obligation and Availability of Funds and Contract Value, (c) The total Estimated Contract Price table
 - b. Revise Attachment B-1 Incentive Fee Summary Table
 - c. Revise Attachment B-2-B - Incentive Fee B- Maximum Available Award Fee, Table B-2-B-1 Incentive Fee B – Maximum Available Award Fee.
 - d. Revise Attachment B-2-B-2 – Incentive Fee B – Performance Evaluation and Measurement Plan (PEMP), Table B-2-B-2 PEMP, to incorporate the 2016 PEMP, Rev.1, dated February 9, 2016, into the contract by reference.
2. Section C, Statement of Work, is revised as follows:
 - a. Revise Standard 3 - Design, (b) - Establish and Maintain Facility Design Requirements, paragraph (6).
 - b. Revise Section C.7 - FACILITY SPECIFICATION, (b) - Waste Treatment Capacity Requirements, paragraphs (5) and (6)
3. Section J, List of Attachments, is revised as follows:
 - a. Attachment E(b) List of Applicable Directives is revised as follows:
 - i. Delete DOE-0361, Hanford Site-Wide Emergency Planning and Community Right-to-know Act (EPCRA) procedure
 - b. Attachment F - Key Personnel is revised to change the Manager of Construction from Brian S. Kerr to Danny Hydrick.

These changes are performed under the authority provided by Contract Clause I.82, FAR 52.243-2 *Changes – Cost Reimbursement (AUG 1987) – Alternate III (APR 1984)*.

Description of Modification:

1. Section B, Supplies or Services and Prices/Costs, is updated to make the following change:

a. Revise B.3 Obligation and Availability of Funds and Contract Value, (c) The total Estimated Contract Price table to include 2016 PEMP, Rev. 1, dated February 9, 2016, numbers. The revised table is as follows:

(c) The Total Estimated Contract Price is determined as follows:

Cost:

A	Total Estimated Contract Cost (TECC) through Mod 364		<u>\$10,853,395,777</u>
B	Total Estimated Contract Cost (350)		
B.1	CLIN 2: DFLAW Facility Modifications (350)	TBD	
	SUB-CLIN 2.1: DFLAW Design (Target Cost)	\$75,000,000	\$42,568,556 *

Revised Total Estimated Contract Cost through Mod 364 \$10,895,964,333

Fee:

A	Final Fee Determination – Pre-Mod No. A143		\$102,622,325
B	Maximum Available Award Fee (See Table B-2-B-1)		\$109,966,215
B.1	Project Management Incentive	\$67,045,997	
B.2	Cost Incentive	\$37,522,560	
B.3	REA Settlement	\$5,397,658	
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	
F	Performance-Based Incentive for DFLAW Design Completion (350)		\$9,000,000
Total Maximum Available Fee (346) (350)			<u>\$599,588,540</u>
Total Estimated Contract Price (TECP) (364)			<u>\$11,495,552,873</u>

* Sub-CLIN 2.1 DFLAW (Target Cost) amount decreased by total amount of Change Orders 329, 330 & 339 (\$32,431,444) definitized in Modification 350. \$75,000,000 - \$32,431,444 = \$42,568,556.

b. Revise Attachment B-1 Incentive Fee Summary Table to include the 2016 PEMP, Rev. 1, dated February 9, 2016, numbers. The revised table is as follows:

ATTACHMENT B-1 INCENTIVE FEE SUMMARY TABLE

Table B-1 - WTP Incentive Fee Structure			
	Description	Reference	Amount
A	Final Fee Determination Prior to Modification No. A143	Attachment B-2-A	<u>\$102,622,325</u>
B	Maximum Available Award Fee:		
B.1	Project Management Incentive	Attachment B-2-B	\$67,045,997
B.2	Cost Incentive	Attachment B-2-B	\$37,522,560
	*See Table B-2-B-1		
B.3	REA Settlement Fee	Attachment B-3	\$5,397,658
	Total Award Fee:		<u>\$109,966,215</u>
C	Schedule Incentive Fee:		
C.1.X	Activity Milestone Completion	Attachment B-2-C	\$173,000,000
C.2	Facility Milestones Completion		
C.2.1	LAB Construction Substantially Complete	Attachment B-2-C	\$4,000,000
C.2.2	LAW Construction Substantially Complete	Attachment B-2-C	\$4,000,000
C.2.3	LBL Start Cold Commissioning (SCC)	Attachment B-2-C	\$4,000,000
C.2.4	LBL Complete Hot Commissioning (CHC)	Attachment B-2-C	\$4,000,000
C.2.5	HLW Start Cold Commissioning	Attachment B-2-C	\$9,500,000
C.2.6	PT Start Cold Commissioning	Attachment B-2-C	\$9,500,000
C.2.7	HLW Complete Hot Commissioning	Attachment B-2-C	\$9,500,000
C.2.8	PT Complete Hot Commissioning	Attachment B-2-C	\$9,500,000
	Total – Facility Schedule Incentive		<u>\$54,000,000</u>
	Total Schedule Incentive Fee		<u>\$227,000,000</u>
D	Operational Incentive Fee:		
D.1	Cold Commissioning:		
D.1.1	PT High Level Waste	Attachment B-2-D	\$10,000,000
D.1.2	PT Low Level Waste	Attachment B-2-D	\$10,000,000
D.1.3	HLW Vitrification	Attachment B-2-D	\$13,000,000
D.1.4	LAW Vitrification	Attachment B-2-D	\$12,000,000
	Subtotal – Cold Commissioning		<u>\$45,000,000</u>
D.2	Hot Commissioning:		
D.2.1	PT High Level Waste	Attachment B-2-D	\$10,000,000
D.2.2	PT Low Level Waste	Attachment B-2-D	\$10,000,000
D.2.3	HLW Vitrification	Attachment B-2-D	\$13,000,000
D.2.4	LAW Vitrification	Attachment B-2-D	\$13,000,000
	Subtotal – Hot Commissioning		<u>\$46,000,000</u>
	Total Operational Incentive Fee		<u>\$91,000,000</u>
E	Enhancement Incentive Fee:		
E.1	Enhanced Plant Capacity	Attachment B-2-D	\$15,000,000
E.2	Sodium Reduction	Attachment B-2-D	\$15,000,000
E.3	Enhanced Plant Turnover	Attachment B-2-D	\$15,000,000
E.4	Sustained Production Achievement	Attachment B-2-D	\$15,000,000
	Total Enhancement Incentive Fee		<u>\$60,000,000</u>
F	DFLAW Design Completion Incentive Fee (350)	Attachment B-2-F	<u>\$9,000,000</u>

TOTAL MAXIMUM AVAILABLE FEE (A+B+C+D+E+F) (350)	\$599,588,540
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*Reflects Unearnable Award Fee

- c. Revise Attachment B-2-B - Incentive Fee B - Maximum Available Award Fee, Table B-2-B-1 Incentive Fee B – Maximum Available Award Fee to include the 2016 PEMP, Rev. 1, dated February 9, 2016, numbers. The revised table is as follows:

Table B-2-B-1. Incentive Fee B – Maximum Available Award Fee

Cal. Year (CY)	Award Fee Period	B.1 Award Fee - Project Mgmt Incentive		B.2 Award Fee - Cost Incentive		Total Award Fee		
		Available	Earned*	Available	Earned*	Available	Earned	Unearnable
2009	2009-A	\$2,188,838	\$1,584,719	\$4,500,000	\$2,925,000	\$6,688,838	\$4,509,719	\$2,179,119
	2009-B	\$2,188,837	\$1,349,418	\$4,500,000	\$2,250,000	\$6,688,837	\$3,599,418	\$3,089,419
2010	2010-A	\$2,000,000	\$1,379,000	\$4,300,000	\$2,580,000	\$6,300,000	\$3,959,000	\$2,341,000
	2010-B	\$2,000,000	\$1,521,600	\$4,300,000	\$2,623,000	\$6,300,000	\$4,144,600	\$2,155,400
2011	2011-A	\$2,000,000	\$1,348,000	\$4,300,000	\$2,795,000	\$6,300,000	\$4,143,000	\$2,157,000
	2011-B	\$2,000,000	\$1,426,000	\$4,300,000	\$2,451,000	\$6,300,000	\$3,877,000	\$2,423,000
2012	2012-A	\$3,150,000	\$1,571,850	\$3,150,000	\$1,549,800	\$6,300,000	\$3,121,650	\$3,178,350
	2012-B	Waived	at the	request	of the	Contractor		
2013	2013-A	\$3,780,000	\$1,869,210	\$2,520,000	\$1,254,960	\$6,300,000	\$3,124,170	\$3,175,830
	2013-B	\$5,300,000*	\$2,745,000	\$1,000,000*	\$280,000	\$6,300,000	\$3,025,000	\$3,275,000
2014	2014-A	\$5,300,000*	\$3,580,000	\$1,000,000*	\$390,000	\$6,300,000	\$3,970,000	\$2,330,000
	2014-B	\$3,780,000 **	\$2,671,200	\$2,520,000 **	\$1,423,800	\$6,300,000	\$4,095,000	\$2,205,000
2015	2015	\$9,100,000***	TBD	\$3,500,000***	TBD	\$12,600,000	TBD	
2016	2016	\$9,600,000***	TBD	\$3,000,000*** (366)	TBD	\$12,600,000	TBD	
2017	2017	\$9,100,000	TBD	\$3,500,000	TBD	\$12,600,000	TBD	
2018	2018	\$9,100,000	TBD	\$3,500,000	TBD	\$12,600,000	TBD	
2019	2019	\$9,100,000	TBD	\$3,500,000	TBD	\$12,600,000	TBD	
Totals		\$79,687,675	\$21,045,997	\$53,390,000	\$20,522,560	\$133,077,675	\$41,568,557	\$28,509,118

*For the 2013-B and 2014-A PEMP award fee periods, the available award fee allocated to Award Fee Objectives 1, 2, and 3 is considered B.1 Award Fee – Project Management Incentive; and the available award fee allocated to Award Fee Objective 4 is considered B.2 Award Fee – Cost Incentive.

****For the 2014-B PEMP award fee period, the available award fee allocated to Award Fee Objectives 1, 2, and 3 is considered B.1 Award Fee – Project Management Incentive; and the available award fee allocated to Award Fee Objectives 4 and 5 is considered B.2 Award Fee – Cost Incentive. (331)**

*****For the 2015 and 2016 PEMP award fee periods, the available award fee allocated to Award Fee Objectives 2, 3, 4, 5, and 6 is considered B.1 Award Fee – Project Management Incentive; and the available award fee allocated to Award Fee Objective 1 is considered B.2 Award Fee – Cost Incentive. (346)(366)**

- d. Attachment B-2-B-2 – Incentive Fee B – Performance Evaluation and Measurement Plan (PEMP), Table B-2-B-2 PEMP, is revised to incorporate the 2016 PEMP, Rev.1, dated February 9, 2016, into the contract by reference. The revised table is as follows:

ATTACHMENT B-2-B-2 – INCENTIVE FEE B – PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP) (M171) (346) (366)

The following PEMPs are incorporated by reference:

Table B-2-B-2. PEMP

Calendar Year (CY)	Award Fee Period	PEMP Revision	Effective Date
2009	2009-A	Rev. 0	February 1, 2009
	2009-B	Rev. 0	July 1, 2009
2010	2010-A	Rev. 0	January 1, 2010
	2010-A	Rev. 1	April 19, 2010
	2010-B	Rev. 0	July 1, 2010
2011	2011-A	Rev. 0	January 1, 2011
	2011-B	Rev. 0	July 1, 2011
2012	2012-A	Rev. 0	January 1, 2012
	2012-A	Rev. 1	January 31, 2012
	2012-A	Rev. 2	April 15, 2012
	2012-B	Rev. 0	July 1, 2012
2013	2013-A	Rev. 0	January 1, 2013
	2013-B	Rev. 0	July 1, 2013
2014	2014-A	Rev. 0	January 1, 2014
	2014-B	Rev. 0	July 1, 2014
2015	2015	Rev. 0	January 1, 2015
2016	2016	Rev. 0	January 1, 2016
		Rev. 1	February 9, 2016
2017	2017		
2018	2018		
2019	2019		

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

- a. Revise Standard 3 - Design, (b) - Establish and Maintain Facility Design Requirements, paragraph (6) as follows:

- (6) The Contractor shall prepare an Engineering, Procurement, and Construction (EPC) Code of Record for DOE review and approval (Table C.5-1.1, Deliverable 3.3(c)), listing applicable federal, state, and local laws and regulations, DOE orders and standards, and consensus national codes and standards used to engineer, procure, and construct the WTP. The EPC Code of Record shall be limited to EPC and will not list documents specific to business services, operations, maintenance, and commissioning. A Case-by-Case Exception (CBCE) process shall be established for an exception or deviation to the EPC Code of Record. The CBCE shall be approved by BNI and provided to DOE for **information review and comment.**

b. Revise Section C.7 - FACILITY SPECIFICATION, (b) - Waste Treatment Capacity Requirements, paragraphs (5) and (6) as follows:

- (5) The Pretreatment Facility shall have sufficient HLW waste feed storage volume to support HLW operations at its design capacity as specified in Table C.7-1.1, *WTP Facility Design Capacity*. HLW feed batch receipt facilities shall be designed to allow receipt without interruption to waste feed processing. **Pretreatment pulse jet mixed vessel designs for waste slurry storage should be standardized to the extent possible.**
- (6) The Pretreatment Facility shall have the capability to prepare, sample and store blended HLW feed in a sufficient volume to operate the HLW vitrification facility at its design capacity as specified in Table C.7-1.1. **Pretreatment pulse jet mixed vessel designs for waste slurry storage should be standardized to the extent possible.**

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

a. Attachment E(b) - List of Applicable Directives is revised to:

- i. Delete DOE-0361, Hanford Site-Wide Emergency Planning and Community Right-to-know Act (EPCRA) procedure

Attachment E(b) is revised as follows:

- (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)		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,

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
			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 6 (336)	06/2014 (336)	Hanford Emergency Management Plan (A197)(310) (Revision 6, June 2014) (336)	Contract Clause C.6, Standard 4(j) and Standard 7(e)(1) Table S7-1 (M175) (A197) (336)
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		DELETED (M194)	
DOE M 205.1-2		DELETED (M175)	
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	02/19/13	Identity, Credential, and Access Management (307)	The order is effective regardless of comment above at (b) (307)
DOE O	04/8/11	DOE Corporate	Contract Clause H.49

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
210.2A, CRD		Operating Experience Program (M077) (310)	(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, CRD (363)	6/27/2011	Environment, Safety, and Health Reporting (M033) (310)	Contract Clause C.6, Standard 1(d)(6) (M175) (310)
DOE M 231.1-1A, Change 2, CRD (332)		DELETED (332)	
DOE M 231.1-2, CRD		DELETED (256)	
SCRD M 231.1-2		DELETED (256)	
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		DELETED (310)	
DOE O 241.1, CRD		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)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
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		DELETED (271)	
DOE M 413.3-1		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), subparagraph (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)
DOE 414.1D, CRD, Chg 1 (349)	05/08/13 (349)	Quality Assurance (349)	The order is effective regardless of comment above at (b) and implemented in accordance with Note 14. (349)
DOE O 420.1B, CRD Chapter V (363)	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.

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
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) (310). Contractor shall implement in accordance with CCN 281821 (363)
DOE O 433.1B, CRD (363) Admin Chg 1 (342)	04/21/10 (342)	Maintenance Management Program for DOE Nuclear Facilities (342)	The order is effective regardless of comment above at (b) and implemented in accordance with Note 13. (342)
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 & Supplemente d Rev. 3 CRD (332)	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		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		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. 4	03/07/20 08	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 1.1.2.1.5 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) and Note 4. (283)(363)
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		DELETED (215)	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE/ORP-2000-06		Deleted through Contract Modification M082 (M175)	
DOE STD 3009		DELETED (310)	
DOE O 5480.20A, Change 1, CRD		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) DELETED (366)	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-92-36 (342)	11/18/14	Hanford Site Hoisting and Rigging Manual (342)	The order is effective regardless of comment above at (b) and implemented in accordance with Note 13.
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).

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
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, CRD (363)	03/04/11	Accident Investigations (310)	Refer to Note 9 (310)
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)
DOE-HDBK- 1092-2013, Appendix D	07/2013	DOE Electrical Safety Handbook. Refer to Note 15 (353)	The order is effective regardless of comment above at (b).

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. Implementation shall include compliance with DOE EM Standing Operating Policy Procedure (SOPP) 66, Revision 0, Official Foreign Travel, with the exception of SOPP Sections 7.D and 9.B.5.
5. DELETED (336)
6. The Contractor shall implement DOE-HDBK-1092-2004, Appendix A, as described in 10-WTP-327 (CCN 229384) 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, CRD (363) 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.
 13. The Contractor shall implement DOE O 433.1B, CRD Admin Chg 1 & DOE-RL-92-36, as described in CCN 202791 (363).
 14. The Contractor shall implement DOE O 414.1D, CRD, Chg 1, as described in CCN 222763 and 15-QAD-0014.
 15. The Contractor shall implement DOE-HDBK-1092-2013, Appendix D, as described in 14-CPM-0231 (CCN 274546) and CCN 257008. Unlisted Equipment that is "Low-Hazard", defined as "Class X.0 or X.1" in Appendix D of the DOE Handbook for Electrical Safety, may be labeled or identified as such (e.g., "Unlisted Approval Not Required", "Low-Hazard", or "Class X.0, X.1") to indicate it is equipment that does not require field evaluation and approval. This exemption will only apply to Class X.0 and Class X.1 equipment that are connected to a power source of less than 50 Volts and less than 1000 volt-amps.
- b. Attachment F - Key Personnel is revised to change the Manager of Construction from Brian S. Kerr to Danny Hydrick. The table is revised as follows:

ATTACHMENT F – KEY PERSONNEL

<u>Key Position</u>	<u>Current Employee</u>
(M110) (M130) (M133) (M147) (M152) (M158) (A164) (M181) (206) (208) (242) (261) (276) (291) (303) (308) (332) (336) (353)	
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	Thomas Hughes
Plant Operations Manager	Ken Wells
Project Technical Director & Design Authority	Ian Milgate
Manager of Production Engineering	Mark Johnson
Manager of Construction	Brian S. Kerr Danny Hydrick
Business Services Manager	Lori Baker

4. All other terms and conditions remain unchanged.

(End of Modification)