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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------|----------------------------------|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | PAGE 1 OF 16 PAGES |
| 2. AMENDMENT/MODIFICATION NO. M152 | | 3. EFFECTIVE DATE (M/D/Y) See Block 16C | 4. REQUISITION/PURCHASE REQ. NO. N/A | | 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) | | |
| 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 | |
| | | | | 10B. DATED (SEE ITEM 13) December 11, 2000 | |
| CODE | FACILITY CODE | | | | |

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 type="checkbox"/> | |
| <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 I.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 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.)

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) Ted Felgenbaum Project Director | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) George F. Champlain Contracting Officer | |
| 15B. CONTRACTOR/OFFEROR ORIGINAL SIGNED BY <hr/> (Signature of person authorized to sign) | 15C. DATE SIGNED 8/14/09 | 16B. UNITED STATES OF AMERICA BY ORIGINAL SIGNED BY <hr/> (Signature of Contracting Officer) | 16C. DATE SIGNED 18 Aug 2009 |

Purpose of Modification:

The purpose of this modification is to do the following:

1. Update Section C.3(f)(6) and Section C.6, Standard 5(j)(viii), to update DOE Order 5480.20A with the current version, Chg. 1 (7-12-01).
2. Update Section C.5, Table C.5-1.1, Deliverables, to update reference paragraphs in Table.
3. Update Section C.6, Reference 1.7 to correct typo from A143.
4. Update Section C.6, Standard 1 (d)(5) & (d)(6), *Occurrence Reporting* and *ES&H Reporting* to add wording regarding reporting requirements previously agreed in Modifications M057 & M114, but omitted in Modification A143.
5. Update Section C.6, Standard 5 (m)(7) to add Deliverable 5.16 to the first paragraph.
6. Update Section C.6, Standard 7 (e)(3)(iv), to correct the year designation of ANSI ASQ Q 9001-2000 .
7. Update Section C.8, Specification 1, paragraph 1.3, *Quality Assurance*, to remove reference to Deliverable 6.11 which was deleted in Modification A143.
8. Update Section C.8, Specification 12, *Procedure to Determine the Waste Feed Treatment Approach*, to add reference to Table C.5-1.1, Deliverable C.7-1.
9. Update Section H.26, *Environmental Permits*, to add reference to Table C.5-1.1, Deliverable H.1 at the end of paragraph (d).
10. Update Section H.33, *Litigation Management Plan*, to add reference to Table C.5-1.1, Deliverable H.2 at the end of the first paragraph.
11. Update Section H.51, *Property Management System*, to add reference to Table C.5-1.1, Deliverable H.4 at the end of the first paragraph.
12. Update Section I.29B (a), FAR 52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JULY 1990), Paragraph (a) to \$5.4 million for FY09.
13. Update Section I.55 (b)(3), FAR 52.225-11, BUY AMERICAN ACT-CONSTRUCTION MATERIALS UNDER TRADE AGREEMENTS (MARCH 2009), paragraph (b)(3) to insert "none" into the fill-in blank.
14. Update Section I.63 (a), FAR 52.230-2 COST ACCOUNTING STANDARDS (APRIL 1998), paragraph (a)(4), to correct numbering of subsequent paragraphs and sub-sub paragraphs.
15. Update Section J, Attachment E, *List of Applicable Directives*, to add item DOE O 5480.20A, Change 1 (7-12-01) PERSONNEL SELECTION, QUALIFICATION, AND TRAINING REQUIREMENTS FOR DOE NUCLEAR FACILITIES.
16. Update Section J, Attachment E, *List of Applicable Directives*, DOE STD 3009 (1994) PREPARATION GUIDE FOR DOE NONREACTOR NUCLEAR FACILITY SAFETY ANALYSIS REPORTS to add Change Notice 3 (March 2006).
17. Update Section J, Attachment E, *List of Applicable Directives*, DOE/RL-94-02 HANFORD EMERGENCY MANAGEMENT PLAN to Revision 3, March 2009.
18. Update Section J, Attachment F, *Key Personnel*, to update ORP Conditional Approval of Ted Feigenbaum (Project Director) and Richard Bradford (Project Manager).
19. Update Section J, Attachment J, *Advance Understanding on Costs*, Item 10 and Paragraph 10(a) to incorporate title change from M106.
20. Update Section J, Attachment J, *Advance Understanding on Costs*, Item 13, to add ORP 08-NSD-059 (10/15/08) (CCN 188217), TN-06-03753-Direction to Implement New Justification for Continued Design, Procurement, and Installation (JCDPI).

21. Update Section J, Attachment J, Sub-Attachment A, *Inclusions*, to remove Trend TN-24590-06-03487, *Implement Directed PSAR Update Process*, which was added in error during A143.

Description of Modification:

1. Update Section C.3(f)(6) and Section C.6, Standard 5(j)(viii), to update DOE Order 5480.20A with the current version, Chg. 1 (7-12-01). The change is as follows:

From:

(6) Train commissioning staff to operate and maintain the WTP in accordance with DOE Order 5480.20A, *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*.

To:

(6) Train commissioning staff to operate and maintain the WTP in accordance with DOE Order 5480.20A, Change 1 (7-12-01), *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*. (M152)

From:

(viii) Training program compliant with DOE Order 5480.20A, *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*.

To:

(viii) Training program compliant with DOE Order 5480.20A, Change 1 (7-12-01), *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*.

2. Update Section C.5, Table C.5-1.1, Deliverables, to update reference paragraphs in Table.

The following replaces Table C.5-1.1, Deliverables, in its entirety:

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|------------------------------------|----------------------------------|-----------------|------------------|-------------------|-------------------------------------|
| C5.1 | Select a Commissioning Contractor | Section C.5 [C.5(a)(4)] | A | D | COR (M131) | 4/15/2001 |
| 1.1 | Plan for Transition | | A | D | COR (M131) | 2/15/2001 |
| 1.2 | Project Execution Plan | Standard 1 [Std. 1 (b)(2)] | A | D | COR (M131) | 12/15/2006 with updates as required |
| 1.3 | Project Control System Description | Standard 1 [Std. 1 (a) & (b)(3)] | A | D | COR (M131) | 4/15/2001 with updates as required |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|----------------------------------------------|---------------------------------------------------------------------|-----------------|------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 1.4 | Interface Management Plan | Standard 1 [Std. 1 (b)(1) and C.9(b)] | A | D | COR (M131) | 6/29/2001 with updates as required |
| 1.5 | WTP Project Baseline | Standard 1 [Std. 1 (d)(3)] | A | D | COR (M131) | 4/15/2001 with updates as required |
| 1.6 | WTP Baseline Risk Plan | Standard 1 [Std.1 (c)(1)] | A | D | COR (M131) | 7/1/2001 with annual updates as required |
| 1.7 | Monthly Status Report | Standard 1 [Std. 1 (c)(4) & (d)(1), Std 3 (g)(3), and Std 4 (f)(2)] | I | D | COR (M131) | First Wednesday of the second month |
| 1.8 | Occurrence Reporting | Standard 1 [Std. 1 (d)(5)] (M147) | A | D | COR (M131) | as required |
| 1.9 | ES&H Reporting | Standard 1 [Std. 1 (d)(6)] (M147) | A | D | COR (M131) | as required |
| 1.10 | Contract Performance Report | Standard 1 [Std. 1 (d)(2)] | I | D | COR (M131) | Last Wednesday of each month (M147) |
| 1.11 | Baseline Change Control Program Procedure | Standard 1 [Std. 1 (a) & (a)(4)] | A | D | COR (M131) | 05/15/03 with updates as required Delivery 30 days after contract modification – implementation 60 days after Approval |
| 1.12 | Electronic Data | Standard 1 (d)(3) & (4) | I | D | COR (M131) | Last Wednesday of each month (M147) |
| 2.1 | Updated Research and Technology Program Plan | Standard 2 [Std. 2 (a)(1)(ii)] | A | D | COR (M131) | 4/15/2001 with annual updates through 2004 and with updates as needed from 6/30/2008 through the initiation of cold commissioning |
| 2.2 | R&T Test Plans | Standard 2 [Std. 2 (a)(2)(i) & (a)(3)(ix)] | I | D | COR (M131) | as required |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|-----------------------------------------------------------------|--------------------------------------------------------------------|-----------------|------------------|-------------------|----------------------------------------------------------------------|
| 2.3 | R&T Test Reports | Standard 2 [Std. 2 (a)(2)(ii) & (a)(3)(ix)] | C | D | COR (M131) | as required |
| 2.4 | Regulatory Data Quality Objective (DQO) | Standard 2 [Std. 2 (a)(3)(i)(D)] | A | D | COR (M131) | TBD as negotiated |
| 2.5 | Operations Research Assessment | Standard 2 [Std. 2 (b)(1) & Std 3 (c)(6)(ii)(A)] | C | D | COR (M131) | 12/19/2008, 12/19/2009, 12/19/2010 with bi-annual updates thereafter |
| 2.6 | WTP Tank Utilization Assessment | Standard 2 [Std. 2 (b)(2)] | C | D | COR (M131) | 12/19/2008, 12/19/2009, 12/19/2010 with bi-annual updates thereafter |
| 2.7 | Material Balance and Process Flowsheet | Standard 2 [Std. 2 (b)(4)] | C | D | COR (M131) | 12/19/2008, 12/19/2009, 12/19/2010 with bi-annual updates thereafter |
| 2.8 | Technical Report on Oxidative Leaching | Standard 2 [Std. 2 (a)(3)(ix)] | C | D | COR (M131) | TBD |
| 2.9 | Test Report on Oxidative Leaching | Standard 2 [Std. 2 (a)(3)(ix); Std 5 (e)(3)(ii); & C.7(d)(1)(vii)] | C | D | COR (M131) | TBD |
| 2.10 | Proposed Process Steps for Sludge Treatment | Standard 2 [Std. 2 (a)(3)(iii)] | A | D | COR (M131) | TBD |
| 2.11 | Proposed Deminimus Organic Concentration in Received Tank Waste | Standard 2 [Std. 2 (a)(3)(viii)] | A | D | COR (M131) | TBD |
| 3.1 | Design Process | Standard 3 [Std. 3 (a)(2)] | I | D | COR (M131) | 2/15/2001 1/15/2004 |
| 3.2 | Functional Specification | Standard 3 [Std. 3 (b)(1)] | I | D | COR (M131) | 8/20/2001 with updates as required |
| 3.3 (a) | Basis of Design | Standard 3 [Std. 3 (b)(2)] | A | D | COR (M131) | 8/20/2001 with updates as required |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|--------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------|------------------|-------------------|------------------------------------------------------------------|
| 3.3 (b) | Design Criteria Database | Standard 3 [Std. 3 (b)(3)] | M | D | COR (M131) | 30 days after issue of Basis of Design, with updates as required |
| 3.4 | Operations Requirements Document | Standard 3 [Std. 3 (b)(4)] | A for bolded document text and M for non-bolded document text | D | COR (M131) | 8/20/2001 |
| 3.5 | Master Equipment List | Standard 3 [Std. 3 (c) (6)(i)] | C | D | COR (M131) | Prior to ORR completion |
| 3.6 | Analytical Laboratory Design Requirements | Standard 3 [Std. 3 (c)(18) & C.7(a)(8)] | A | D | COR (M131) | 10/1/2001 and as required thereafter |
| 3.7 | Site Layout Drawings | Standard 3 [Std. 3 (c)(19)] | A | D | COR (M131) | 4/15/2001 and as required thereafter |
| 3.8 | Optimization Studies | Standard 3 [Std. 3 (d)] | A | D | COR (M131) | 3/15/2001 |
| 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 |
| 3.10 | Deleted | | | | | |
| 4.1 | Construction, Procurement, and Acceptance Testing Plan | Standard 4 [Std. 4(a), (f)(3) & (i)] | A on initial Deliverable and I for any subsequent updates | D | COR (M131) | As Required |
| 4.2 | Purchasing System | Standard 4 [Std. 4 (b)(2)] | A | D | COR (M131) | As required |
| 4.3 | Construction Bid and Work Packages | Standard 4 [Std. 4(c)] | I | D | COR (M131) | As required |
| 4.4 | Construction and Acceptance Testing Program | Standard 4 [Std. 4(f)(1)] | A | D | COR (M131) | Prior to start of construction |
| 4.5 | Construction Overview Meetings | Standard 4 [Std. 4(h)] | M | D | COR (M131) | Ongoing |
| 4.6 | Construction Emergency Response Plan | Standard 4 [Std. 4(j)] | I | D | COR (M131) | Prior to Start of Limited Construction |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|--------------------------------------------------------|-------------------------------------------------|-----------------|------------------|-------------------|------------------------------------------------------------------------|
| 4.7 | As-built Program Description | Standard 4 [Std. 4(f)(5)] | C | D | COR (M131) | June 2009 |
| 5.1 | Commissioning Plan | Standard 5 [Std. 5(c)] | A | D | COR (M131) | 12 months prior to start of cold commissioning, as required thereafter |
| 5.2 | Deleted | | | | | |
| 5.3 | Waste Form Qualification Tests | Standard 5 [Std. 5 (e)(3)(i)] | P | D | COR (M131) | during cold commissioning |
| 5.4 | Cold Commissioning Capacity Tests | Standard 5 [Std. 5 (e)(3)(ii)] | A | D | COR (M131) | during cold commissioning |
| 5.6 | Resultant Products from Cold Commissioning | Standard 5 [Std. 5 (e)(1)] | P | D | COR (M131) | during cold commissioning |
| 5.7 | Environmental Performance Test | Standard 5 [Std. 5 (e)(3)(v)] | A | D | COR (M131) | during cold commissioning |
| 5.8 | Cold Commissioning Results | Standard 5 [Std. 5 (e)(5)] | A | D | COR (M131) | prior to hot commissioning |
| 5.9 | Certification of Completion of Cold Commissioning | Standard 5 [Std. 5 (e)(6)] | A | D | COR (M131) | when complete |
| 5.10 | Certification of Readiness for Hot Commissioning Start | Standard 5 [Std. 5 (g)(1)] | A | D | COR (M131) | prior to hot commissioning |
| 5.11 | Certification of Hot Commissioning Start | Standard 5 [Std. 5 (g)(3)] | A | D | COR (M131) | Upon receipt of Tank Farm waste feed |
| 5.12 | Hot Commissioning Capacity Tests | Standard 5 [Std. 5(g)(4) & (5)] | A | D | COR (M131) | during hot commissioning |
| 5.13 | Resultant Products from Hot Commissioning | Standard 5 [Std. 5 (g)(iii) & iv)] | P | D | COR (M131) | during hot commissioning |
| 5.14 | Hot Commissioning Results and Documentation | Standard 5 [Std. 5 (g)(6)] | A | D | COR (M131) | upon completion of hot commissioning |
| 5.15 | Certification of Completion of Hot Commissioning | Standard 5 [Std. 5 (g)(7)] | A | D | COR (M131) | when complete |
| 5.16 | Facility Turnover | Standard 5 [Std. 5 (m)(7)] | A | D | COR (M131) | after successful commissioning |
| 5.17 | Deleted | | | | | |
| 5.18 | Cold Commissioning Simulant Definition | Standard 5 [Std. 5 (b) & Table C.6-5.1 Note 1.] | A | D | COR (M131) | 24 months prior to the initiation of cold commissioning |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-------------------|---------------------------------------------------------|
| 5.19 | WTP Facility Transition Plan | Standard 5 [Std. 5 (i); (j); & (m)(7)] | A | D | COR (M131) | 12 months prior to the initiation of hot commissioning |
| 5.20 | Cold Commissioning Capacity Test Criteria | Standard 5 [Std. 5 (e)(3)(ii) & Table C.6-5.1 Note 2] | A | D | COR (M131) | Prior to completion of Deliverable 5.8 |
| 5.21 | Hot Commissioning Capacity Test Criteria | Standard 5 (Std. 5 (g)(4) & Table C.6-5.2 Note 1)) | A | D | COR (M131) | Prior to completion of Deliverable 5.14 |
| 6.1 | Secondary Wastes Compliance Plan | Standard 6 [Std. 5 (e)(1)(i) & (e)(3)(i & ii), Std. 6 (b), (c)(3 & 4), C.8 Spec. 9, 9.2.2.5] | A | D | COR (M131) | 2004, 2006, 2008, and as required thereafter |
| 6.2 | IHLW Waste Form Compliance Plan | Standard 6 [Std. 2 (a) (3)(vii)(B); Std 5 (e)(1)(i) & (e)(3)(i & ii); Std. 6 (b), (c)(2 & 4), C.7(d)(2)(i), C.8 Spec. 1 (1.4)] | A | D | COR (M131) | 2004, 2005, 2007, 2009, and as required thereafter |
| 6.3 | ILAW Product Compliance Plan | Standard 6 [Std. 2 (a)(3)(v)(B), Std. 5 (e)(1)(i) & (e)(3)(i & ii); Std. 6(b) & (c)(1 & 4), C.7(d)(3)(i); C.8 Spec. 2 , 2.2.2.11, & 2.4] | A | D | COR (M131) | 2004, 2006, 2008, and as required thereafter |
| 6.4 | IHLW Product Qualification Report | Standard 6 [Std. 6 (c) (5) & (6)] | C/A | D | COR (M131) | Plan in 2004, report in 2008 and as required thereafter |
| 6.5 | Production Documentation for IHLW Product | Standard 6 [Std 6 (c)(9)] | A | D | COR (M131) | at time of production |
| 6.6 | ILAW Product Qualification Report | Standard 6 [Std. 6 (c)(5), C.8 Spec. 2, 2.2.2.7.1] | C/A | D | COR (M131) | Plan in 2004, report in 2007 and as required thereafter |
| 6.7 | Production Documentation for ILAW Product | Standard 6 [Std 6(c)(9); C.8 Spec. 2, 2.2.2.6.2 & 2.2.2.7.2] | C/A | D | COR (M131) | at time of production |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|------------------------------------------------------------------|-----------------------------------------------------------------|-----------------|------------------|-------------------|------------------------------------------------|
| 6.8 | Deleted | | | | | |
| 6.9 | Reserved | | | | | |
| 6.10 | Secondary Wastes Production Documentation | Standard 6 [Std. 6 (c)(9)] | C/A | D | COR (M131) | at time of production |
| 6.11 | Deleted | | | | | |
| 7.0 | Non-radiological Worker Safety and Health | Standard 7 [Std 7 (e)(1)] | R | D | COR (M131) | per Standard 7.a(1) |
| 7.1 | Radiological, Nuclear and Process Safety | Standard 7 [Std 7 (e)(2)] | R | D | COR (M131) | per Table S7-1 |
| 7.2 | Quality Assurance | Standard 7 [Std 7 (e)(3); C.8 Spec 2, 2.3 and Spec 12, 12.3] | A/R | D | COR (M131) | 4/15/2001 |
| 7.3 | Environmental Plan | Standard 7 [Std 7 (e)(4) & (e)(4)(vi)(A)] | A | D | COR (M131) | 3/15/2001 and as required thereafter |
| 7.4 | Deleted | | | | | |
| 7.5 | Dangerous Waste Permit Application | Standard 7 [Std 7 (e)(4)(vi)(B)] | A | D | COR (M131) | as required |
| 7.6 | Risk Assessment Work Plan | Standard 7 [Std 7 (e)(4)(vi)(C) & Std 5 (e)(3)(v)] | A | D | COR (M131) | as required |
| 7.7 | Notice(s) of Construction | Standard 7 [Std 7 (e)(4)(vi)(D)] | A | D | COR (M131) | 150 days prior to submission to the regulators |
| 7.8 | Prevention of Significant Deterioration (PSD) Permit Application | Standard 7 [Std 7 (e)(4)(vi)(E)] | A | D | COR (M131) | 150 days prior to submission to the regulators |
| 7.9 | Petition for Exemption or Exclusion for IHLW | Standard 7 [Std 6 (c)(7), Std 7 (e)(4)(vi)(F)] | A | D | COR (M131) | 06/2005 |
| 7.10 | Petition for a New Treatment Standard | Standard 7 [Std 6 (c)(8), Std 7 (e)(4)(vi)(G)] | A | D | COR (M131) | 08/2003 |
| 8.0 | Safeguards and Security | Standard 8 [Table S8-1] | A | D | COR (M131) | see Table S8-1 |
| C.7-1 | Procedure to Determine the Waste Feed Treatment Approach | C.7(d)(1)(vii) Spec. 12 | A | D | COR (M131) | TBD |

| Item No. | Deliverable | Reference | Action Required | DOE Action Party | Point of Delivery | Contract Due Date |
|----------|-----------------------------------|-----------------|-----------------|------------------|-------------------|-------------------------------------------|
| C.9.1 | Interface Control Documents | Section C.9 | J | D | COR (M131) | 7/15/2001, 3/15/2002, and as required |
| | | | | | | |
| | | | | | | |
| H.1 | Environmental Permit Applications | Clause H.26 (d) | A | D | COR (M131) | ongoing |
| H.2 | Litigation Management Plan | Clause H.33 | A | D | COR (M131) | 4/15/2001 |
| H.3 | Deleted | | | | | |
| H.4 | Property Management System (M120) | Clause H.51 | A | D | COR (M131) | 10/1/2008, with annual updates thereafter |

3. Update Section C.6, Reference 1.7 to correct a typo from A143. The change is as follows:

From: ASMES/NQA-1

To: ASME/NQA-1 (M152)

4. Update Section C.6, Standard 1 (d)(5) & (d)(6), *Occurrence Reporting* and *ES&H Reporting* to add the following wording regarding Contractor Management Requirements at the end of both paragraphs (d)(5) & (d)(6):

From:

(5) Occurrence Reporting:

The Contractor shall adhere to DOE Order 231.1A, *Environment, Safety, and Health Reporting*, with Hanford Site-specific requirements and methods for notification (Table C.5-1.1, Deliverable 1.8).

(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 events and information specified in DOE Order 231.1A. The process and form of reporting will meet the requirements of this Order and DOE Manual 231.1-1A, *Environment, Safety and Health Reporting Manual*. 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 required information for both the Contractor and all subcontractors (Table C.5-1.1, Deliverable 1.9).

To:

(5) Occurrence Reporting:

The Contractor shall adhere to DOE Order 231.1A, *Environment, Safety, and Health Reporting*, with Hanford Site-specific requirements and methods for notification (Table C.5-1.1, Deliverable 1.8).

"The Contractor shall also adhere to the requirements of the Contractor Requirements Document (CRD) of DOE Manual (M) 231.1-2 and the ORP Supplemental (S) CRD to DOE M 231.1-2. (M152)

(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 events and information specified in DOE Order 231.1A. The process and form of reporting will meet the requirements of this Order and DOE Manual 231.1-1A, *Environment, Safety and Health Reporting Manual*. 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 required information for both the Contractor and all subcontractors (Table C.5-1.1, Deliverable 1.9).

The Contractor shall also adhere to the requirements of the Contractor Requirements Document (CRD) of DOE Manual (M) 231.1-2 and the ORP Supplemental (S) CRD to DOE M 231.1-2. (M152)

5. Update Section C.6, Standard 5 (m)(7) to add Deliverable 5.16 to the first paragraph. The change is as follows:

From:

The Contractor completes transition of the WTP facilities to the Operating Contractor in accordance with the approved WTP Facility Transition Plan (Table C.5-1.1, Deliverable 5.19).

To:

The Contractor completes transition of the WTP facilities to the Operating Contractor (Table C.5-1.1; Deliverable 5.16) in accordance with the approved WTP Facility Transition Plan (Table C.5-1.1, Deliverable 5.19).

6. Update Section C.6, Standard 7 (e)(3)(iv), to correct the year of ANSI ASQ Q 9001-2001 "Quality Management System". The change is as follows:

From:

"...elements of ANSI/ASQ Q 9001-2001, *Quality Management System*, requirements (for non-nuclear activities), which is referenced in the Contractor Requirements Document of DOE Order 414.1C." (M066)

To:

"...elements of ANSI/ASQ Q 9001-2000, *Quality Management System*, requirements (for non-nuclear activities), which is referenced in the Contractor Requirements Document of DOE Order 414.1C." (M066)(A143)

7. Update Section C.8, Specification 1, paragraph 1.3, *Quality Assurance*, to remove reference to Deliverable 6.11 which was deleted in Modification A143.

From: Quality Assurance: A QA Program (Table C.5-1.1, Deliverable 6.11) for the IHLW form development, qualification, characterization, and certification is required and shall be consistent with DOE/RW-0333P.

To: Quality Assurance: A QA Program for the IHLW form development, qualification, characterization, and certification is required and shall be consistent with DOE/RW-0333P.

8. Update Section C.8, Specification 12, *Procedure to Determine the Waste Feed Treatment Approach*, to add reference to Table C.5-1.1, Deliverable C.7-1.

From: Specification 12: Procedure to Determine the Waste Feed Treatment Approach

To: Specification 12: Procedure to Determine the Waste Feed Treatment Approach (Table C.5-1, Deliverable C.7-1)

9. Update Section H.26, *Environmental Permits*, to add "(Table C.5-1.1, Deliverable H.1)" at the end of paragraph (d).

10. Update Section H.33, *Litigation Management Plan*, to add "(Table C.5-1.1, Deliverable H.2)" at the end of the first paragraph.

11. Update Section H.51, *Property Management System*, to add "(Table C.5-1.1, Deliverable H.4)" at the end of the first paragraph.

12. Update Section I.29B (a), FAR 52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JULY 1990), Paragraph (a) to \$5.4 million for FY09. The change is as follows:

From: "...if the overtime amount does not exceed \$TBD amount or the overtime premium..."

To: "...if the overtime amount does not exceed \$5.4M for FY09 or the overtime premium..." (M152)

13. Update Section I.55 (b)(3), FAR 52.225-11, BUY AMERICAN ACT-CONSTRUCTION MATERIALS UNDER TRADE AGREEMENTS (MARCH 2009), paragraph (b)(3) to insert "none" into the fill-in blank.

From: this clause does not apply to the construction materials or components listed by the Government as follows: _____ [Contracting Officer to list applicable excepted materials or indicate "none"]

To: this clause does not apply to the construction materials or components listed by the Government as follows: "none" _____ [Contracting Officer to list applicable excepted materials or indicate "none"] (M152)

14. Update Section I.63 (a), FAR 52.230-2 COST ACCOUNTING STANDARDS (APRIL 1998), paragraph (a)(4), to correct numbering of paragraphs, sub-paragraphs and sub-sub paragraphs. The following correction will be made to the numbering in paragraph (a)(4):

From:

- (i) Agree to an equitable adjustment as provided in the Changes clause of this Contract if the contract cost is affected by a change which, pursuant to subparagraph (a)(3) of this clause, the Contractor is required to make to the Contractor's established cost accounting practices.
- (ii) Negotiate with the Contracting Officer to determine the terms and conditions under which a change may be made to a cost accounting practice, other than a change made under other provisions of subparagraph (a)(4) of this clause; provided that no agreement may be made under this provision that will increase costs paid by the United States.
- (iii) When the parties agree to a change to a cost accounting practice, other than a change under subdivision (a)(4)(i) of this clause, negotiate an equitable adjustment as provided in the Changes clause of this Contract.

(4) Agree to an adjustment of the contract price or cost allowance, as appropriate, if the Contractor or a subcontractor fails to comply with an applicable Cost Accounting Standard, or to follow any cost accounting practice consistently and such failure results in any increased costs paid by the United States. Such adjustment shall provide for recovery of the increased costs to the United States, together with interest thereon computed at the annual rate established under Section 6621 of the Internal Revenue Code of 1986 (26 U.S.C.6621) for such period, from the time the payment by the United States was made to the time the adjustment is effected. In no case shall the Government recover costs greater than the increased cost to the Government, in the aggregate, on the relevant contracts subject to the price adjustment, unless the Contractor made a change in its cost accounting practices of which it was aware or should have been aware at the time of price negotiations and which it failed to disclose to the Government.

To:

(4)

- (i) Agree to an equitable adjustment as provided in the Changes clause of this Contract if the contract cost is affected by a change which, pursuant to subparagraph (a)(3) of this clause, the Contractor is required to make to the Contractor's established cost accounting practices.
- (ii) Negotiate with the Contracting Officer to determine the terms and conditions under which a change may be made to a cost accounting practice, other than a change made under other provisions of subparagraph (a)(4) of this clause; provided that no agreement may be made under this provision that will increase costs paid by the United States.
- (iii) When the parties agree to a change to a cost accounting practice, other than a change under subdivision (a)(4)(i) of this clause, negotiate an equitable adjustment as provided in the Changes clause of this Contract.

(5) Agree to an adjustment of the contract price or cost allowance, as appropriate, if the Contractor or a subcontractor fails to comply with an applicable Cost Accounting Standard, or to follow any cost accounting practice consistently and such failure results in any increased costs paid by the United States. Such adjustment shall provide for recovery of the increased costs to the United States, together with interest thereon computed at the annual rate established under Section 6621 of the Internal Revenue Code of 1986 (26 U.S.C.6621) for such period, from the time the payment by the United States was made to the time the adjustment is effected. In no case shall the Government recover costs greater than the increased cost to the Government, in the aggregate, on the relevant contracts subject to the price adjustment, unless the Contractor made a change in its cost accounting practices of which it was aware or should have been aware at the time of price negotiations and which it failed to disclose to the Government.

15. Update Section J, Attachment F, *Key Personnel*, to update ORP Conditional Approval of Ted Feigenbaum (Project Director) and Richard Bradford (Project Manager). The change is as follows:

From:

| <u>Name</u> | <u>Position</u> (M110) (M130) (M133) (M147) |
|--------------------------------------------------------------------------------------------|---------------------------------------------|
| Ted C. Feigenbaum (Approved for duration NTE 90 days from effective date of M147) | Project Director |
| Richard (Rick) Bradford (Approved for duration NTE 90 days from effective date of M147) | Project Manager |

To:

| <u>Name</u> | <u>Position</u> (M110) (M130) (M133) (M147) |
|-------------------|---------------------------------------------|
| Ted C. Feigenbaum | Project Director |

Richard (Rick) Bradford

Project Manager

(Approved for duration NTE 23 November, 2009) (M152)

16. Update Section J, Attachment E, paragraph (b), *List of Applicable Directives*, to add item DOE O 5480.20A, Change 1 (7-12-01) PERSONNEL SELECTION, QUALIFICATION, AND TRAINING REQUIREMENTS FOR DOE NUCLEAR FACILITIES. The following line will be added to the table in paragraph (b), *List of Applicable Directives*:

| | | |
|-----------------------------|----------|-------------------------------------------------------------------------------------------------|
| DOE O 5480.20A, Change 1 | 07/12/01 | Personnel Selection, Qualification, and Training requirements for DOE Nuclear Facilities (M152) |
|-----------------------------|----------|-------------------------------------------------------------------------------------------------|

17. Update Section J, Attachment E, *List of Applicable Directives*, DOE STD 3009 (1994) PREPARATION GUIDE FOR DOE NONREACTOR NUCLEAR FACILITY SAFETY ANALYSIS REPORTS to add Change Notice 3 (March 2006). The change is as follows:

From: DOE STD 3009 (1994) PREPARATION GUIDE FOR DOE NONREACTOR NUCLEAR FACILITY SAFETY ANALYSIS REPORTS

To: DOE STD 3009 (1994) PREPARATION GUIDE FOR DOE NONREACTOR NUCLEAR FACILITY SAFETY ANALYSIS REPORTS (Change Notice 3, March 2006). (M152)

18. Update Section J, Attachment E, *List of Applicable Directives*, DOE/RL-94-02 HANFORD EMERGENCY MANAGEMENT PLAN to Revision 3, March 2009. The change is as follows:

From: DOE/RL-94-02 HANFORD EMERGENCY MANAGEMENT PLAN

To: DOE/RL-94-02 HANFORD EMERGENCY MANAGEMENT PLAN (Revision 3, March 2009) (M152)

19. Update Section J, Attachment J, *Advance Understanding on Costs*, Item 10 and Paragraph 10(a) to incorporate title change to Clause H.12 from M106. The following change will be made to item 10 and Paragraph 10(a):

From: Multiple Employer Pension Plan (MEPP)

To: Multi- Employer Pension Plan (MEPP) (M152)

20. Update Section J, Attachment J, *Advance Understanding on Costs*, Item 13, to add ORP 08-NSD-059 (10/15/08) (CCN 188217), Direction to Implement New Justification for Continued Design, Procurement, and Installation (JCDPI). The following will be added to the table of requirements in Attachment J, item 13:

| | |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| ORP 08-NSD-059 (10/15/08) (CCN 188217), | Direction to Implement New Justification for Continued Design, Procurement, and Installation (JCDPI) (M152) |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|

21. Update Section J, Attachment J, Sub-Attachment A, *List of Inclusions*, to remove Trend TN-24590-06-03487, *Implement Directed PSAR Update Process*, which was added in error in Modification A143. The following will be removed from Sub-Attachment A, *List of Inclusions*:

| | |
|-------------------|----------------------------------------|
| TN-24590-06-03487 | Implement Directed PSAR Update Process |
|-------------------|----------------------------------------|

22. **Contractor's Statement of Release:** In consideration of the modification agreed to herein as complete equitable adjustment for the changes, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the changes.

23. **All other terms and conditions remain unchanged.**

(End of Modification)