

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE 1	OF	PAGES 3
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2. AMENDMENT/MODIFICATION NO. M133	3. EFFECTIVE DATE (M/D/Y) See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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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)
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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	
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11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE DATE AND HOUR SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and amendment and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,
IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	FAR 52.243-2, Changes—Cost-Reimbursement
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 2 copies to the issuing office.

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

Various Changes to Section J as Described on the 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) W.S. Elkins BNI Project Director	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Thomas M. Williams Contracting Officer
15B. CONTRACTOR/OFFEROR ORIGINAL SIGNED FOR _____ (Signature of person authorized to sign)	15C. DATE SIGNED 7/29/08
16B. UNITED STATES OF AMERICA ORIGINAL SIGNED BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 8/5/08

Purpose of Modification:

The purpose of this modification is to incorporate changes as follows:

(A) Section J, Attachment F, Key Personnel:

1. REPLACE Plant Operations Manager, James Wilson, with Dennis Hayes

(B) Section J, Attachment E, List of Applicable Directives, **(LIST B-DEAR 970.5204-78)**

1. Paragraph (a), ADD DOE O 420.1B, Facility Safety, dated 12/22/05, with a Not To Exceed value of \$140,000. Note: Per reference (a) below, fee adjustment will be addressed in current ongoing negotiations for previously submitted REA's. Related correspondence is as follows:
 - (a) CCN 170076, letter from N. F. Grover, BNI, to T. M. Williams, ORP, "Request for Equitable Adjustment No. 2008-002 for Partial Implementation of DOE Order 420.1B," dated April 08, 2008.
 - (b) CCN 168377, Letter from T. M. Williams, ORP, to N. F. Grover, BNI, "Bechtel National, Inc (BNI) Estimate and Schedule Impact of Implementing the U.S. Department of Energy (DOE), Office of River Protection (ORP) Order 420.1B," 07-WTP-306, dated November 27,2007.
 - (c) CCN 170070, Letter from N. F. Grover, BNI, to T. M. Williams, ORP "Request for Equitable Adjustment 2008-001 Impacts for Implementing DOE Order 420.1B", dated March 13, 2008.
2. Paragraph (b), REVISE DOE Orders 221.1 and 221.2 to now be DOE O 221.1A, Reporting Fraud, Waste and Abuse to the Office of Inspector General, dated April 19, 2008, and DOE O 221.2A, Cooperation with the Office of Inspector General, dated February 25, 2008, at no cost to the Government. Revise Footnote 1 to reflect change and flowdown criteria. Related correspondence is as follows:
 - (a) CCN 176619, Letter from N. F. Grover, BNI, to T. M. Williams, ORP, "BNI Impact Assessment of DOE Orders 221.1A, "Reporting Fraud, Waste and Abuse to the Office of Inspector General," and 221.2A, "Cooperation with the Office of Inspector General", dated July 09, 2008.
 - (b)CCN 179377, Letter from T. M. Williams, ORP, to N. F. Grover, BNI, "The U.S. Department of Energy (DOE) Implementation of DOE O 221.1A, 'Reporting Fraud, Waste and Abuse to the Office of Inspector General' and DOE O 221.2A, 'Cooperation with the Office of Inspector General,'" 08-AMD-132, dated May 20, 2008.

(C) Section J, Attachment J, Advance Understanding on Costs:

1. Item 16, ADD Advance Agreement on Cost Related to Voluntary Protection Program (VPP), dated June 20, 2008, reference CCN 181338.

(D) CANCEL implementation cost of \$500,000 previously issued in Modification M097 for DOE Manual 450.4-1, Integrated Safety Management System Manual, Contractor Requirements Document. Contractor has agreed to no cost impact based upon assumptions per reference (a). NOTE: This Manual remains a Contract requirement as listed in Section J, Attachment E. Related correspondence is as follows:

- (a) CCN 170059, Letter from N. F. Grover, BNI, to T. M. Williams, ORP, "Impact Analysis for Implementation of DOE Manual 450.4-1 Integrated Safety Management System Manual", dated January 09, 2008.

Description of Modification:

- 1) Section J, Attachment F, Key Personnel: REPLACE James Wilson with Dennis Hayes (Plant Operations Manager).
- 2) Section J, Attachment E, List of Applicable Directives, paragraph (a) is changed as follows:
(a) ADD new item

DOE O 420.1B (M133)	12/22/05 (M133)	Facility Safety (Partial implementation per CCNs 168377 (ORP 07-WTP-306) and 170076) (M133)
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- 3) Section J, Attachment E, List of Applicable Directives, paragraph (b) is changed as follows:
(a) REPLACE DOE O 221.1 dated 03/22/01 with DOE O 221.1A dated 04/19/08.
(b) REPLACE DOE O 221.2 dated 03/22/01 with DOE O 221.2A dated 02/25/08.
(c) REVISE Footnote 1 to read:

Footnote to DOE O 221.1A and DOE O 221.2A: The Contractor shall implement DOE Orders 221.1 and 221.2 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 Orders 221.1A and 221.2A shall be implemented into all new subcontract awards beginning October 01, 2008, using the same criteria. Flow down of the requirements of these Orders to Subcontractors using these criteria meets the intent of ensuring compliance with the Orders' requirements.4) Section J, Attachment J, Advance Understanding on Costs, Item 16, ADD new Advance Agreement:

Costs Related to Voluntary Protection Program (VPP) (M133)	Advance Agreement signed by T. M. Williams/N. F. Grover 20JUN08; CCN 181338
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- 5) Attachment 1 is included to reflect the aforementioned changes.
- 6) All other terms and conditions remain the same.

(End of Modification)

ATTACHMENT 1

**SECTION J – LIST OF ATTACHMENTS
 ATTACHMENT E – LIST OF APPLICABLE DIRECTIVES (LIST B-DEAR 970.5204.78)**

- (a) Environmental, safety and health (ES&H) requirements appropriate for work conducted under this Contract that have been determined by a DOE approved process to evaluate the work and the associated hazards and identify an appropriately tailored set of standards, practices and controls:

DOCUMENT NUMBER	DATE	TITLE
		DELETED (M130)
DOE/RL-96-0003	02/01	DOE Regulatory Process for Radiological, Nuclear and Process Safety Regulation of the RPP Waste Treatment Plant Contractor
DOE/RL-96-0004	02/01	Process for Establishing a Set of Radiological, Nuclear and Process Safety Standards and Requirements for the RPP Waste Treatment Plant Contractor
DOE/RL-96-0005	02/01	Concept of the DOE Regulatory Process for Radiological, Nuclear and Process Safety Regulation of the RPP Waste Treatment Plant Contractor
DOE/RL-96-0006	02/04	Top-Level Radiological, Nuclear and Process Safety Standards and Principles for the RPP Waste Treatment Plant Contractor - Revision 3 (M039) (M130)
RL/REG-97-04	08/02	Policy for Openness and Openness Plan for the Office of Safety Regulation
RL/REG-97-05	07/19/01	Regulatory Unit Management Directives
RL/REG-97-13 Rev. 11	03/2005	Regulatory Unit Position on Contractor-Initiated Changes to the Authorization Basis (M099)
RL/REG-98-05	07/01/99	Inspection Program Description for the Regulatory Oversight for the RPP-WTP Contractor
RL/REG-98-06	06/30/99	Corrective Action/Enforcement Action Program Description
RL/REG-98-14	06/29/98	Regulatory Unit Position on New Safety Information and Back-fits
RL/REG-99-17	04/25/01	Review Guidance for the Limited Construction Authorization Request
RL/REG 2000-03	05/04/01	Review Guidance for the Nonradiological Worker Safety and Health Plan
DOE O 420.1B	12/22/05	Facility Safety (Partial Implementation per CCNs 168377 (ORP 07-WTP-306) and 170076) (M133)
DOE O 470.2B	10/31/02	Contractor Requirements Document (CRD), "Independent and Performance Assurance Program"

- (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
DOE M 140.1-1B	03/30/01	Interface with Defense Nuclear Facilities Safety Board
DOE O 142.3 Change 1	2/28/08	Unclassified Foreign Visits and Assignments Program. The order is effective regardless of comment above at (b). (M047) (M124)
DOE Order 205.1A	12/4/06	Department of Energy Cyber Security Management (M090)
DOE M 205.1-2	6/26/05	Clearing, Sanitization, and Destruction of Information

DOCUMENT NUMBER	DATE	TITLE
		System Storage Media, Memory Devices, and Related Hardware Manual (M067)
CRD O 210.2	06/16/06	DOE Corporate Operating Experience Program (M077)
DOE M 231.1-1A -, Change 2	06/12/07	Environment, Safety and Health Reporting Manual (M127)
DOE O 231.1A	08/19/03	Environment, Safety, and Health Reporting (M033)
CRD M 231.1-2	8/19/03	Occurrence Reporting and Processing of Operations Information (M057)
SCRD M 231.1-2	7/24/06	Occurrence Reporting and Processing of Operations Information Revision1 (M057) (06-AMD-043) (M068)
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual
DOE M 441.1-1	03/07/08	Nuclear Material Packaging (M130) The order is effective regardless of comment above at (b)
RL/REG-2000-04	07/03	Industrial Health and Safety Oversight Plan (M033)
DOE N 234.1	02/27/08	Reporting of Radioactive Sealed Sources (M130) The order is effective regardless of comment above at (b)
DOE N 471.3	04/13/01	Reporting Incidents of Security Concern
DOE O 221.1A	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General ¹ (M133)
DOE O 221.2A	02/25/08	Cooperation with the Office of Inspector General ¹ (M133)
DOE O 226.1A	7/31/07	Implementation of Department of Energy Oversight Policy (M069) (M108)
DOE O 241.1	08/17/98	Scientific and Technical Information Management
DOE O 350.1, Chg 1	05/08/98	Contractor Human Resource Management Program
DOE O 414.1C	6/17/05	Quality Assurance (M066)
DOE O 425.1C	03/13/03	Start and Restart of Nuclear Facilities (M033)
DOE O 413.3A	07/28/06	Program and Project Management for the Acquisition of Capital Assets (M055) (M076)
DOE M 413.3-1	3/28/03	Project Management for the Acquisition of Capital Assets (M055)
DOE O 435.1, Chg 1	08/28/01	Radioactive Waste Management (Implementation of this Order using the graded approach; approved by 04-WEC-004; CCN 081173 satisfies the comment above at (b).) (M130)
DOE O 442.1A & Supplemented Rev. 1	06/06/01	Department of Energy Employee Concerns Program (A029)
DOE O 471.3	4/9/03	Identifying and Protecting Official Use Only Information (M087)
DOE M 471.3-1	4/9/03	Manual for Identifying and Protecting Official Use Only Information (M087)
DOE O 475.1	12/10/04	Counterintelligence Program (M071)
SCSP	5/9/06	Richland Regional Office Site Counterintelligence Support Plan Hanford Site - Bechtel National, Inc. (M071)
DOE O 551.1B ²	08/19/03	Official Foreign Travel (M130)
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High Level Waste Forms (WAPS) Revision 2 (M114)
DOE/ORP-2000-06	09/27/00	River Protection Project, Project Management Plan
DOE/RL-88-21	10/01/96 12/21/99	Double-Shell Tank Unit Permit Application
DOE/RL-94-02	04/95	Hanford Emergency Response Plan

DOCUMENT NUMBER	DATE	TITLE
DOE/RL-96-0002	02/96	Top-Level Safeguards and Security Requirements for TWRS Privatization
DOE/RW-0333P	6/27/06	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 18 (M099)
DOE/RW-0351	5/31/07	Waste Acceptance System Requirements Document (WASRD) - Revision 5 (M114)
HFID 232-1B	09/08/99	Notification and Reporting of Operations Information
PL-W375-MG00004	02/22/00	Safeguards and Security Program
06-AMD-050	08/28/06	Office of Environmental Management Interim Guidance, "Safety Integration into Early Phases of Environmental Management Facility Design." (M084)
DOE M 442.1-1	11/16/06	Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety and Health, Contractor Requirements Document (M095)
DOE M 450.4-1	11/01/06	Integrated Safety Management System Manual. Attachment 1 - Contractor Requirements Document. (M097)
DOE/RW-0511, Volume I, Rev. 3	01/2007	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)
DOE STD 3009	1994	Preparation Guide for DOE Nonreactor Nuclear Facility Safety Analysis Reports (A029)

¹ Footnote to DOE O 221.1A and DOE O 221.2A: The Contractor shall implement DOE Orders 221.1 and 221.2 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 Orders 221.1A and 221.2A shall be implemented into all new subcontract awards beginning October 01, 2008, using the same criteria. Flow down of the requirements of these Orders to Subcontractors using these criteria meets the intent of ensuring compliance with the Orders' requirements.

² This Order included by Modification No. A029 and deemed to be the "subsequent version of the order in effect at the time of award" per DEAR 952.247-70.

**SECTION J – LIST OF ATTACHMENTS
ATTACHMENT F – KEY PERSONNEL**

<u>Name</u>	<u>Position</u> (M110) (M130)
William S. Elkins	Project Director
Larry Simmons	Project Manager
George H. Clare	Assistant Project Director (Quality & Safety Assurance, Technology & Plant Operations)
Tyrone Troutman, Jr.	Area Project Manager (High-Level Waste)
Leon Lamm	Area Project Manager (Pretreatment)
William T. Clements	Area Project Manager (Low Activity Waste/Balance of Facilities/Analytical Laboratory)
Dennis Klein	E&NS Manager
David J. Jantosik	Quality and Performance Assurance Manager
Dennis Hayes (M133)	Plant Operations Manager
Greg Ashley	Manager of Engineering
David F. Leeth	Manager of Construction
Nikki Grover	Assistant Project Director (Business Services)

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT J
ADVANCE UNDERSTANDING ON COSTS

1. Allowable costs for WTP project-specific travel and relocation shall be in accordance with the Bechtel Systems & Infrastructure, Inc. (BSII) policy dated September 10, 2007 (Revision 13), effective April 01, 2008, submitted under BNI letter CCN 162481 dated April 07, 2008. However, payments made under 2.7 d) [previously 3.7 d) under Revision 3] and 3.17 c) therein for tax assistance "gross up" shall be an unallowable cost prior to July 29, 2002, and an allowable cost thereafter.
2. Allowable costs for WTP project-specific BNI employee permanent assignment compensation benefit shall be in accordance with the BNI Project Assignment Incentive (PAI), Revision 10 (dated February 2008), effective April 01, 2008.

Historical Notes:

- The tax assistance portion "gross-up" of the PAI, in effect until February 26, 2007, shall be an unallowable cost. This "gross up" was eliminated with the issuance of PAI, Revision 9.
 - The minimum 150-mile limit for recruited college students from Washington State University (Pullman Campus only) and Eastern Washington University (Cheney campus only) is waived and PAI payments for such eligible recruited employees shall be allowable, subject to other allowability tests required under the contract, until April 01, 2008, at which time the limit was eliminated with PAI, Revision 10. **(M126)**
3. During 2001, BNI implemented an internal Six Sigma Program to provide a clear means of work process measurement and continuous process improvement that is expected to result in a net overall reduction in incurred costs under the Contract. Costs to implement the BNI Six Sigma Program are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
 4. Costs to implement the BNI Sharing For Success Program to enhance craft productivity and reduce overall project costs are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
 5. Effective from the date of Contract award, facilities capital cost of money shall be an allowable cost under the Contract, provided the criteria for allowability in FAR 31.205-10 are met.
 6. Costs to implement the BNI Employee Recognition Program to support individual and team accomplishments and encourage the achievement of Project goals are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
 7. Costs incurred in connection with hedging contracts entered into in connection with foreign currency purchases, including but not limited to the purchase cost, rollover costs to adjust a hedging contract to a new date in the event the payment date is delayed, and closure costs in the event a procurement is canceled, are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
 8. Costs to implement the BNI Vanpool Program to encourage project craft and nonmanual vanpooling are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.

Acquisition Regulation.

9. Costs incurred in connection with the Washington State Retrospective Rating Program connected with Workers Compensation, including but not limited to surcharges, are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
10. Multiple Employer Pension Plan (MEPP)
 - a. The costs and expenses of the Contractor's participation in the Multiple Employer Pension Plan (MEPP) are allowable contract costs to the same extent as those costs are allowable under Contract No. DE-AC06-96RL13200.
 - b. In the event that the Contractor withdraws from the MEPP, in accordance with the terms of the MEPP, the Contractor's withdrawal liability, if any, shall be an allowable cost of the Contract subject to availability of funds under the contract.
 - c. In the event that the MEPP is overfunded at the time of the Contractor's withdrawal and the Contractor does not receive a cash disbursement of its share of such overfunding, ORP hereby waives the Contractor's obligations, if any, under FAR 52.215-15(b) to make payments to DOE, or otherwise adjust the Contractor's allowable costs, with respect to any amounts otherwise assessed in accordance with CAS 413-50(c)(12).
 - d. In the event that the Contractor becomes the last sponsoring employer of the MEPP, the Parties shall modify this agreement to address appropriate termination provisions and funding requirements.
 - e. This Advance Understanding shall be revised from time to time to incorporate any changes in the those policies, practices, and procedures the related costs and expenses related to the MEPP.
11. The following Pending Items and Trends are incorporated by reference in Modification A029.

Case No.	Title
	Issued to ORP
4	PI-24590-01-00065 Additional Security Badging Requirements
18	PI-24590-01-00093 Model Recovery, Maintainability, and RAMI Development
6	PI-24590-01-00099 Construction Emergency Response Plan (Addendum for FH site emergency preparedness program)
21	PI-24590-01-00112 Addition of C2 Filtration (HEPA) to Pretreatment, LAW and HLW Facilities
	PI-24590-01-00117 Commissioning Maintenance Requirements
17	PI-24590-01-00118 Plant Operator Qualification & Training Facility
	PI-24590-01-00119 Commissioning Materials & Vendor Support
	PI-24590-01-00120 Commissioning Testing and Operations Requirements
	PI-24590-01-00121 Risk Assessment and Reporting
19	PI-24590-01-00122 Analytical Laboratory and Temporary Laboratory Facilities
	PI-24590-01-00131 Hazards/Accident Analysis Post PSAR Submittal
	PI-24590-01-00133 Commissioning Procedure Writers
	PI-24590-01-00135 QC Support to Commissioning
	PI-24590-01-00136 Commissioning Training
	PI-24590-01-00138 Environmental Interface
	PI-24590-01-00140 Operation Authorization Request (OAR) Development and Authorization Basis Maintenance
	PI-24590-01-00142 Compliance with ISMS DEAR Clause, Safeguards and Security
	PI-24590-01-00143 Pilot Scale Facility

Case No.	Title
10	PI-24590-01-00147 Pulsed Jet Mixer Testing
16	PI-24590-01-00150 LAW Canister Level Control
	PI-24590-01-00153 A1-Incomplete WTP Conceptual Design - NOC & Sanitary Sewer
	PI-24590-01-00153 A2 - Incomplete WTP Conceptual Design - SAP & CAR
	PI-24590-01-00153 B - Incomplete R&T WTP Conceptual Design work (5 PIs)
19	PI-24590-01-00154 HLW Melter Cell Reconfiguration Due to LAB Reconfiguration
13	PI-24590-01-00165 Vitrification, Rheology & Regulatory Analysis for the Rework of AZ-102 (Envelope B)
2	PI-24590-01-00170 LAW Annex Modifications
23	PI-24590-01-00181 Operations & Maintenance C3 Area Temperatures
23	PI-24590-01-00194 Study Associated with C3 Temperatures
	PI-24590-01-00197 Technical Integration Baseline Development Team
	PI-24590-01-00201 LAW Throughput Increase to 45 MTG
	PI-24590-01-00246 ES&H Fire Protection Support Program
27	PI-24590-01-00278 Change in LAW Concrete and Structural Steel Quality Class
	PI-24590-01-00309 Revised Scale-Up Ion Exchange Resin Quantities
	PI-24590-01-00311 Radiological Safety Support
3	PI-24590-02-00335 LAW Bubbler Failures Below the Melt Line
	2001 Approved Trends
1	PI-24590-01-00173 Detailed Study & Process Plan for Resolving Mercury Issues in Waste Feed
14	PI-24590-01-00174 Maximum Achievable Control Technology
14	PI-24590-01-00316 Mercury mitigation for LAW Melter & Offgas
14	PI-24590-01-00327 Incorporate Activated Carbon Column in HLW Melter Offgas
	PI-24590-01-00143 PT Integrated Pilot Facility - Infrastructure & Testing IX Processes
	2002 Approved Trends
12	PI-24590-02-00341 Radiological Monitoring Standards Change from ANSI-N13.1-1969 to 1999
7	PI-24590-02-00356 Critical Decision 3 - Extended Independent Review
22	PI-24590-02-00358 Steam Reformer Technology Demonstration Acquisition
20	PI-24590-02-00382 Evaluate and Test CS & TC Exchange Resins
15	PI-24590-02-00395 DOE Order 420.1 Fire Safety Impact Assessment Study
	PI-24590-02-00396 Melt Pool Corrosion of LAW Bubblers (Part 2)
	PI-24590-02-00398 Evaluation of Seismic Safety DOE 420.1 Impact
	PI-24590-02-00405 LAB - Cost Reductions
	PI-24590-02-00415 Initial Testing of Steam Reforming Waste Product
	PI-24590-02-00431 DWPA Phased Approach
	PI-24590-02-00447 Pour Tunnel Catch Tank
	PI-24590-02-00453 Increase Pour Cave Cooling
	PI-24590-02-00508 Sales and Use Tax
25	PI-24590-02-00516 Regulatory Compliance Matrix
	PI-24590-02-00539 Lab Rad Effluent Line
	PI-24590-02-00550 Develop Implementation Plan & Start Testing of Alt. Resins
	PI-24590-02-00581 Mixing Tests and Computational Fluid Dynamic Modeling by R&T for PT and HLW
	PI-24590-02-00586 Delete BOF Encapsulation Facility from WTP

Case No.	Title
PI-24590-02-00587	Modify BOF Spent Melter Staging Facility
PI-24590-02-00589	Eliminate BOF Melter Assembly Building
PI-24590-02-00590	Delete BOF Central Waste Storage Facility
PI-24590-02-00591	Eliminate BOF Administration Building from WTP Site
PI-24590-02-00601	Modification to HLW Melter Cave Support Handling System Shielding/Containment and Decontamination
PI-24590-02-00635	Mercury - Sulfur Impregnation Carbon Tests
PI-24590-02-00637	Mercury R&T Studies
PI-24590-02-00665	Replace Welded Sealing of LAW Containers with Mechanical Sealing
PI-24590-02-00666	Eliminate Tc Ion Exchange System (pending approval)
PI-24590-02-00688	Stage 1 Cs Alternative Resin Testing
PI-24590-02-00700	Develop Estimate for Implementing DOE Order 435.1
PI-24590-02-00706	2 + 2 Melter Option
PI-24590-02-00723	Commissioning and Training Cost Savings Initiatives
PI-24590-02-00725	Schedule Impact of Cumulative Changes
PI-24590-02-00728	Alternate Cesium Ion Exchange Resin Testing: Stages II & III
PI-24590-02-00742	Develop Supplemental EIS Data Package
PI-24590-02-00744	Include Battelle R&T Sample Residue Handling & Disposal
PI-24590-02-00754	Foreign Travel Coordinator DEAR 952-247-70
PI-24590-02-00758	Replace Uniform Building Code with International Building Code for Fire Proofing Design
PI-24590-02-00779	Trend Implementation Variance vs. Approved ROM
PI-24590-02-00782	R&T Testing of Ion Exchange Pressure Drop Issue

All items above may have subsequent update revisions, interpretations, or other clarifications that are agreed to by letter. Such updates shall be deemed to be incorporated by reference where stated.

12. 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. 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)**

13. The following Trends (TN) and Baseline Change Proposals (BCP) are incorporated and made a part of this contract. **(M101) (M130)**

TREND/BCP #	TITLE
TN 24590-03-01341	Seismic Attenuation Study to Support ORP (M101)
TN 24590-03-01071	Maximum Achievable Control Technology/ Destructive and Removal Efficiency Testing (M101)
TN 24590-03-	Supplemental LAW Treatment Study (M101)

01318	
TN 24590-03-01317	QA Testing of HEPA Filters at DOE Filter Test Facility (FTF) (M101)
TN 24590-03-01482	Earned Value Management System (EVMS) Criteria Crosswalk (M101)
TN 24590-03-01315	PTF Black Cell Access Trend (M101)
TN 24590-03-01213	Concentrate Receipt Vessels (CRV) Deletion (M102)
TN 24590-05-01906	PNNL Seismic Borehole Drilling Support (M102)
BCP-24590-06-02279	Expansion of DWP Requirements (Permit Modifications) (M122) (M130)
TN 24590-06-01930	Technical Feasibility Study of WTP Startup Sequencing (M098) (M130)
TN 24590-06-02430	Perform Impact Assessment of Borehole Data (M098) (M130)

14. Prepare a conceptual design report that will provide definitive information on the technical approach, schedule and cost associated with the alternative commissioning strategy of the LAW Vitrification Facility and the necessary support facilities. The scope of the conceptual design is contained in 07-WTP-272, dated January 24, 2008, Subject: Direction to Prepare the Conceptual Design Study and Report to Support Early Commissioning of the Low-Activity Waste (LAW) Vitrification Facility.

The Statement of Work will be reflected in Section C once this Change Order is definitized. (M115)

15. Prepare a cost and schedule estimate for installing a third melter in the Low-Activity Waste (LAW) vitrification facility. The scope of work is contained in 08-WTP-037, dated February 13, 2008, Subject: Preparation of a Cost and Schedule Estimate for Installing the Third Melter in the Low-Activity Waste (LAW) Vitrification Facility.

The Statement of Work will be reflected in the Section C once this Change Order is definitized. (M117)

16. The following Advance Agreements are incorporated and made a part of this contract. (M130)

TITLE	REFERENCES
Offsite Beryllium Medical Exam Costs (M130)	CCN 150302 (06-ESQ-166; 28DEC06)
Relocation Costs Associated with Establishing a Frederick, MD WTP Project Office (M130)	Advance Agreement signed by J. J. Short/C. E. Rogers 20JUL06; CCN 143197
Steps to Bring BNI Billings and DOE Financial System into Agreement (M130)	Advance Agreement signed by J. J. Short/C. E. Rogers 24JUL06; CCN 143195

Costs Related to Safety Award to WTP Construction Site Employees (M130)	Advance Agreement signed by T. M. Williams/N. F. Grover 28NOV07; CCN 169002
Costs Related to WTP College Hire Conference (M130)	Advance Agreement signed by T. M. Williams/N. F. Grover 08AUG07; CCN 169228
Costs Related to Per Diem Expenses for Certain Employees (M130)	Advance Agreement signed by T. M. Williams/N. F. Grover 03JUL07; CCN 169230
Costs Related to Living Away From Home Option (LAFHO) (M130)	Advance Agreement signed by T. M. Williams/N. F. Grover 12DEC07; CCN 169233
Costs Related to Voluntary Protection Program (VPP) (M133)	Advance Agreement signed by T. M. Williams/N. F. Grover 20JUN08; CCN 181338