

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE <b>1</b>	OF	PAGES <b>2</b>
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2. AMENDMENT/MODIFICATION NO. <b>M097</b>	3. EFFECTIVE DATE (M/D/Y) <b>See Block 16C</b>	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY <b>U.S. Department of Energy Office of River Protection P. O. Box 450, MS H6-60 Richland, WA 99352</b>	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)  <b>Bechtel National, Inc. 2435 Stevens Center Place Richland, WA 99352</b>	<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. <b>DE-AC27-01RV14136</b>
	<input checked="" type="checkbox"/>	10B. DATED (SEE ITEM 13) <b>December 11, 2000</b>
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: FAR 52.243-2, Changes—Cost-Reimbursement
<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 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)  <b>Craig M. Albert</b>	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  <b>Thomas M. Williams Contracting Officer</b>
15B. CONTRACTOR/OFFEROR  <b>ORIGINAL SIGEND BY</b>  _____ (Signature of person authorized to sign)	15C. DATE SIGNED  <b>8/2/07</b>
16B. UNITED STATES OF AMERICA  <b>ORIGINAL SIGNED BY</b>  _____ (Signature of Contracting Officer)	16C. DATE SIGNED  <b>8/7/07</b>

**Purpose of Modification:**

The purpose of this Change Order contract modification is to implement U.S. Department of Energy (DOE) Manual 450.4-1, Integrated Safety Management System Manual, Contractor Requirement Document to Section J- List of Attachments; Attachment E- List of Applicable Directives, section (b). The implementation cost will be definitized upon the submission of a cost proposal. The current implementation cost is not to exceed \$500,000.00. Related correspondences are as follow:

- 1) Letter from C.E. Rogers, BNI, to M.K. Barrett, ORP, "Integrated Safety Management System Manual," CCN: 153417, dated March 15, 2007.
- 2) Letter from J.J. Short, ORP, to C.E. Rogers, BNI, "U.S. Department of Energy (DOE) Manual 450.4-1, Integrated Safety Management System Manual," 07-ESQ-007, dated February 9, 2007.

**Description of Modification:**

- 1) DOE M 450.4-1, Integrated Safety Management System Manual, Contractor Requirement Document is included as attachment 1.
- 2) The change made to Section J- List of Attachments; Attachment E- List of Applicable Directives, section (b) is included as attachment 2.
- 3) All other terms and conditions remain the same.

**CONTRACTOR REQUIREMENTS DOCUMENT**  
**DOE M 450.4-1, *Integrated Safety Management System Manual***

Regardless of the performer of the work, the contractor is responsible for complying with the requirements of this Contractor Requirements Document (CRD) and flowing down CRD requirements to subcontractors at any tier to the extent necessary to ensure contractor compliance.

The primary source of requirements for contractors regarding implementation of ISM is DEAR 970.5223-1, *Integration of environment, safety, and health into work planning and execution*. Guidance for contractor implementation is provided in DOE G 450.4-1B, *Integrated Safety Management System Guide*, dated 3-1-01. The requirements in this CRD supplement the existing DEAR clause requirements. As directed by the contracting officer, the contractor must meet the following requirements.

1. RESPONSIBILITIES

Contractors are required to implement an effective ISM system for the facilities they operate. The Department also requires integration of Quality Assurance (QA) and Environmental Management System (EMS) into ISM systems, as delineated in DOE O 414.1C, *Quality Assurance* and DOE O 450.1, *Environmental Protection Program*. The contractor must comply with the following requirements to ensure establishment of implementing procedures for the provisions of the Contractor Requirements Document (CRD), compliance with applicable requirements, and effective and efficient performance.

2. REQUIREMENTS

- a. Develop a contractor ISM system description and submit it for field office approval (Note: this is an existing DEAR clause requirement repeated for continuity). Maintain cognizance of the associated DOE field office's ISM system description, as provided by the DOE contracting officer.
- b. Support DOE in implementing this Manual through submittals of (1) annual ISM effectiveness reviews and annual ISM declaration reports on ISM effectiveness, (2) ISM system description updates, if changes are needed, and (3) safety performance objectives, measures, and commitments, in accordance with time schedules established by the DOE.
- c. Clearly describe the contractor's ISM maintenance and continuous improvement processes (i.e., annual ISM effectiveness reviews, annual ISM declaration reports, ISM system description reviews and updates, and annual updates to the safety performance objectives, measures, and commitments) in the contractor's ISM system description.
- d. Establish and implement a program and process for identifying potential site-wide improvement opportunities relative to ISM (both within and beyond the contractor's scope) and reporting them to the applicable DOE field office manager. This may be done as part of the annual declaration report.

**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
BNFL-5193-SRD-01	Latest Revision	Tank Waste Remediation System Privatization Project-Safety Requirements Document
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
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. 10	12/08/03	Regulatory Unit Position on Contractor-Initiated Changes to the Authorization Basis
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 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.	06/18/04	Unclassified Foreign Visits and Assignments Program. The order is effective regardless of the comment above at (b).
DOE M 231.1-1A	03/19/04	Environment, Safety and Health Reporting Manual
DOE O 231.1A	08/19/03	Environment, Safety, and Health Reporting
CRD M 231.1-2	08/19/03	Occurrence Reporting and Processing Operations Information
SCRD M 231.1-2	07/24/06	Occurrence Reporting and Processing Operations Information Revision 1 (06-AMD-043)

DOCUMENT NUMBER	DATE	TITLE
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual
RL/REG-2000-04	07/03	Industrial Health and Safety Oversight Plan
DOE N 471.3	04/13/01	Reporting Incidents of Security Concern
DOE M 205.1-2	06/26/05	Clearing, Sanitization, and Destruction of Information System Storage Media, Memory Devices, and Related Hardware Manual
CRD O 210.2	06/12/06	DOE Corporate Operating Experience Program
DOE O 221.1	03/22/01	Reporting Fraud, Waste, and Abuse to the Office of Inspector General <sup>1</sup>
DOE O 221.2	03/22/01	Cooperation with the Office of Inspector General <sup>1</sup>
DOE O 226.1	09/15/05	Implementation of Department of Energy Oversight Policy
DOE O 241.1	08/17/98	Scientific and Technical Information Management
DOE O 350.1	05/08/98	Contractor Human Resource Management Program
DOE O 414.1C	06/17/05	Quality Assurance
DOE O 425.1C	03/13/03	Start and Restart of Nuclear Facilities
DOE O 413.3A	07/28/06	Program and Project Management for the Acquisition of Capital Assets
DOE M 413.3-1	03/28/03	Project Management for the Acquisition of Capital Assets
DOE O 442.1A & Supplemented Rev. 1	02/01/99	Department of Energy Employee Concerns Program
DOE O 475.1	12/10/04	Counterintelligence Program
SCSP	05/09/06	Richland Regional Office Site Counterintelligence Support Plan Hanford Site – Bechtel National Inc.
DOE O 551.1A Chg 1 <sup>2</sup>	11/08/02	Official Foreign Travel
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High Level Waste Forms (WAPS)
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
DOE/RL-96-0002	02/96	Top-Level Safeguards and Security Requirements for TWRS Privatization
DOE/RW-0333P		Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 13
DOE/RW-0351P	04/99	Waste Acceptance System Requirements Document (WASRD)
HFID 232-1B	09/08/99	Notification and Reporting of Operations Information
PL-W375-MG00004	02/22/00	Safeguards and Security Program
DOE M 442.1-1	11/16/06	Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety and Health. Attachment 1- Contractor Requirements Document. (M095)
DOE M 450-4.1	11/01/06	Integrated Safety Management System Manual. Attachment 1- Contractor Requirements Document. (M097)

<sup>1</sup> Footnote to DOE O 221.1 and DOE O 221.2: The Contractor shall implement these Orders 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. Flow down of the requirements of these Orders to Subcontractors using these criteria

meets the intent of ensuring compliance with the Orders' requirements.

- <sup>2</sup> 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.