

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		<b>1. CONTRACT ID CODE</b>	<b>PAGE OF PAGES</b> 1   1	
<b>2. AMENDMENT/MODIFICATION NO.</b> M442	<b>3. EFFECTIVE DATE</b> See Block 16C	<b>4. REQUISITION/PURCHASE REQ. NO.</b>	<b>5. PROJECT NO. (If applicable)</b>	
<b>6. ISSUED BY</b> U. S. Department of Energy Pacific Northwest Site Office Post Office Box 350 Richland, Washington 99352	<b>CODE</b>	<b>7. ADMINISTERED BY (If other than Item 6)</b>	<b>CODE</b>	
<b>8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)</b> Battelle Memorial Institute Pacific Northwest Division Richland, Benton County, Washington 99352  DUNS # 032987476		<input type="checkbox"/>	<b>9A. AMENDMENT OF SOLICITATION NO.</b>	
		<input type="checkbox"/>	<b>9B. DATED (SEE ITEM 11)</b>	
		<input checked="" type="checkbox"/>	<b>10A. MODIFICATION OF CONTRACT/ORDER NO.</b> DE-AC05-76RL01830	
			<b>10B. DATED (SEE ITEM 13)</b> 12/30/64	
<b>CODE</b>	<b>FACILITY CODE</b>			

**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 HOUR AND DATE 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 this 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 DESCRIBED IN ITEM 14.**

<b>CHECK ONE</b>	<b>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority)</b> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	<b>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).</b>
	<b>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</b>
<input checked="" type="checkbox"/>	<b>D. OTHER (Specify type of modification and authority)</b> Bilateral Modification pursuant to the mutual agreement of both parties; H-18.
<b>E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>2</u> copies to the issuing office.</b>	

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

This modification is being issued to update Section J, Appendix D, as follows:

- Correct a typographical error from CRD O 470.4-1 to CRD M 470.4-1.
- Update CRD O 420.1A, Facility Safety (Section 4.2 only) to CRD O 420.1B Facility Safety.

This modification results in no other changes. A revised Appendix D is attached.

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.

<b>15A. NAME AND TITLE OF SIGNER (Type or print)</b> Karen L. Hoewing, General Counsel		<b>16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)</b> Ronnie L. Dawson, Contract Specialist	
<b>15B. CONTRACT/OFFEROR</b> BY <u>Karen L. Hoewing</u> (Signature of person authorized to sign)	<b>15C. DATE SIGNED</b> 5-12-06	<b>16B. UNITED STATES OF AMERICA</b> BY <u>Ronnie L. Dawson</u> (Signature of Contracting Officer)	<b>16C. DATE SIGNED</b> 5/17/06

Contract Number: DE-AC05-76RL01830  
Modification M442

**PART III – List of Documents,  
Exhibits, and Other Attachments**

**Section J**

**Appendix D**

**List of Applicable DOE Directives & External Requirements**

SECTION J  
APPENDIX D  
LIST OF APPLICABLE DOE DIRECTIVES & EXTERNAL REQUIREMENTS

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
CRD O 110.3	CONFERENCE MANAGEMENT
CRD O 130.1	BUDGET FORMULATION
CRD M 140.1-1B	INTERFACE WITH THE DEFENSE NUCLEAR FACILITIES SAFETY BOARD
CRD O 142.1	CLASSIFIED VISITS INVOLVING FOREIGN NATIONAL
CRD O 142.3	UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS
CRD O 200.1	INFORMATION MANAGEMENT PROGRAM
DOE M 200.1-1	TELECOMMUNICATIONS SECURITY MANUAL
CRD O 205.1	DEPARTMENT OF ENERGY CYBER SECURITY MANAGEMENT PROGRAM
CRD M 205.1-1	INCIDENT PREVENTION, WARNING, AND RESPONSE (IPWAR) MANUAL
CRD M 205.1-2	CLEARING, SANITIZATION, AND DESTRUCTION OF INFORMATION SYSTEM STORAGE MEDIA, MEMORY DEVICES, AND RELATED HARDWARE MANUAL
CRD N 205.2	FOREIGN NATIONAL ACCESS TO DOE CYBER SYSTEMS
CRD N 205.3	PASSWORD GENERATION, PROTECTION, AND USE
CRD N 205.8	CYBER SECURITY REQUIREMENTS FOR WIRELESS DEVICES AND INFORMATION SYSTEMS
CRD N 205.9	CERTIFICATION AND ACCREDITATION PROCESS FOR INFORMATION SYSTEMS INCLUDING NATIONAL SECURITY SYSTEMS
CRD N 205.10	CYBER SECURITY REQUIREMENTS FOR RISK MANAGEMENT
CRD N 205.11	SECURITY REQUIREMENTS FOR REMOTE ACCESS TO DOE AND APPLICABLE CONTRACTOR INFORMATION TECHNOLOGY SYSTEMS
CRD N 206.3	PERSONAL IDENTITY VERIFICATION
CRD O 221.1	REPORTING FRAUD, WASTE, AND ABUSE TO THE OFFICE OF INSPECTOR GENERAL
CRD O 221.2	COOPERATION WITH THE OFFICE OF INSPECTOR GENERAL
CRD O 226.1	IMPLEMENTATION OF DEPARTMENT OF ENERGY OVERSIGHT POLICY
CRD M 231.1-2	OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION
CRD O 241.1A, Chg 1	SCIENTIFIC AND TECHNICAL INFORMATION MANAGEMENT
CRD O 251.1A	DIRECTIVES SYSTEM
CRD O 252.1	TECHNICAL STANDARDS PROGRAM
CRD O 350.2A	USE OF MANAGEMENT AND OPERATING OR OTHER FACILITY MANAGEMENT CONTRACTOR EMPLOYEES FOR

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
	SERVICES TO DOE IN THE WASHINGTON, D.C., AREA
CRD O 412.1	WORK AUTHORIZATION SYSTEM
CRD O 413.1A	MANAGEMENT CONTROL PROGRAM
CRD O 413.2A	LABORATORY DIRECTED RESEARCH AND DEVELOPMENT
CRD O 414.1C	QUALITY ASSURANCE
CRD O 420.1B	FACILITY SAFETY
CRD O 420.2B	SAFETY OF ACCELERATOR FACILITIES
CRD O 430.1B	REAL PROPERTY ASSET MANAGEMENT
CRD O 435.1, Chg 1*	RADIOACTIVE WASTE MANAGEMENT
CRD O 440.1A	WORKER PROTECTION MANAGEMENT FOR DOE FEDERAL AND CONTRACTOR EMPLOYEES
CRD O 443.1	PROTECTION OF HUMAN SUBJECTS
CRD N 450.7	THE SAFE HANDLING, TRANSFER, AND RECEIPT OF BIOLOGICAL ETIOLOGIC AGENTS AT DEPARTMENT OF ENERGY FACILITIES
CRD M 452.4-1A	PROTECTION OF USE CONTROL VULNERABILITIES AND DESIGNS
CRD O 470.2B	INDEPENDENT OVERSIGHT AND PERFORMANCE ASSURANCE PROGRAM
DOE O 470.3	DESIGN BASIS THREAT POLICY
CRD M 470.4-1	SAFEGUARDS AND SECURITY PROGRAM PLANNING AND MANAGEMENT
CRD M 470.4-2	PHYSICAL PROTECTION
CRD M 470.4-3	PROTECTIVE FORCE
CRD M 470.4-4	INFORMATION SECURITY
CRD M 470.4-5	PERSONNEL SECURITY
CRD M 470.4-6	NUCLEAR MATERIAL CONTROL AND ACCOUNTABILITY
DOE M 471.1-1, Chg 1	IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION MANUAL
CRD O 471.1A	IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
CRD M 471.2-2	CLASSIFIED INFORMATION SYSTEMS SECURITY MANUAL
DOE M 471.2-3A	SPECIAL ACCESS PROGRAM POLICIES, RESPONSIBILITIES, AND PROCEDURES
CRD M 471.3-1**	MANUAL FOR IDENTIFYING AND PROTECTING OFFICIAL USE ONLY INFORMATION
CRD O 475.1	COUNTERINTELLIGENCE PROGRAM
CRD M 475.1-1A	IDENTIFYING CLASSIFIED INFORMATION
CRD N 481.1A	REIMBURSABLE WORK FOR DEPARTMENT OF HOMELAND SECURITY
CRD O 482.1	DOE FACILITIES TECHNOLOGY PARTNERING PROGRAMS
CRD O 483.1	DOE COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
CRD O 522.1	PRICING OF DEPARTMENTAL MATERIALS AND SERVICES
CRD O 534.1B	ACCOUNTING
CRD O 551.1B	OFFICIAL FOREIGN TRAVEL
DOE O 1450.4	CONSENSUAL LISTENING-IN TO OR RECORDING TELEPHONE/ RADIO CONVERSATIONS
DOE O 5400.5, Chg 2	RADIATION PROTECTION OF THE PUBLIC AND THE ENVIRONMENT (Chapter 2, Sections 2 & 5, and Chapter 4)
DOE O 5610.2, Chg 1	CONTROL OF WEAPON DATA
DOE O 5639.8A	SECURITY OF FOREIGN INTELLIGENCE INFORMATION AND SENSITIVE COMPARTMENTED INFORMATION FACILITIES
DOE/RL-94-02	HANFORD EMERGENCY RESPONSE PLAN
PNL-MA-530	PNNL FLIGHT OPERATIONS MANUAL

- \* The Contractor shall submit a plan to implement CRD O 435.1, Chg 1 "Radioactive Waste Management" no-later-than 30 calendar days after the effective date of the modification to extend the contract. The Contractor shall continue to comply with DOE O 5820.2A "Radioactive Waste Management" until implementation of CRD 435.1, Chg 1.
- \*\* The Contractor shall submit a plan to implement CRD M 471.3-1 "Manual for Identifying and Protecting Official Use Only Information" no-later-than 30 calendar days after the effective date of the modification to extend the contract.