

2. AMENDMENT/MODIFICATION NO. M962	3. EFFECTIVE DATE (M/D/Y) See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE U.S. Department of Energy Pacific Northwest Site Office Post Office Box 350 Richland, WA 99352	7. ADMINISTERED BY (If other than Item 6) CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code) Battelle Memorial Institute Pacific Northwest Division Richland, Benton County, WA 99352 DUNS # 032987476	<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-AC05-76RL01830
	<input checked="" type="checkbox"/>	10B. DATED (SEE ITEM 13) December 30, 1964

CODE	FACILITY CODE	11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS
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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)

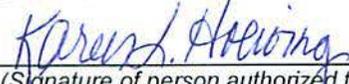
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH IN ITEM 14.

CHECK	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE
<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: The mutual agreement of the parties
<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.) This bilateral contract modification incorporates changes to Part III, Section J, List of Documents, Exhibits and Other Attachments. (See Continuation Pages for the purpose and description of this modification)

15A. NAME AND TITLE OF SIGNER (Type or print) Karen L. Hoewing General Counsel	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Ryan M. Kilbury Contracting Officer
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15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 12-4-13	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12-5-13
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Purpose of Modification:

The Department of Energy (DOE), Office of Science (SC), Pacific Northwest Site Office (PNSO) is modifying the Contract to update Part III – List of Documents, Exhibits, And Other Attachments, Section J, List of Attachments, Appendix B, Appendix C, and Appendix D to their most current form.

Description of Modification:

1. Revise Part III, Section J, Appendix B - Special Financial Institution Account(s) Agreement For Use with the Payments Cleared Financing Arrangement to include the addition of executed extensions of the Banking Agreement up to the most recent extension. **[M962]**
2. Delete in its entirety, Part III, Section J, Appendix C - Subcontracting Plan for Socioeconomic Programs - Pacific Northwest National Laboratory Subcontracting Plan Fiscal Year 2013, and replace with Part III, Section J – Appendix C Subcontracting Plan for Socioeconomic Programs – Pacific Northwest National Laboratory Subcontracting Plan Fiscal Year 2014. **[M962]**
3. Revise Part III – List of Documents, Exhibits, And Other Attachments, Section J, List of Attachments, Appendix D – List of Applicable DOE Directives & External Requirements, as follows:

Delete:

CRD O 142.2A	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
CRD M 205.1-3	Telecommunications Security Manual
CRD O 231.1B	Environment, Safety and Health Reporting
CRD O 243.1A	Records Management Program
CRD O 243.2	Vital Records
CRD O 252.1A	Technical Standards Program
CRD O 350.1, Chg. 3	Contractor Human Resource Management Programs
CRD O 414.1D	Quality Assurance
CRD O 422.1	Conduct of Operations
CRD O 425.1D	Verification of Readiness to Startup or Restart Nuclear Facilities
CRD O 426.2	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
CRD O 433.1B	Maintenance Management Program for DOE Nuclear Facilities
DOE M 435.1-1, Chg. 1	Radioactive Waste Management Manual
CRD O 456.1	The Safe Handling of Unbound Engineered Nanoparticles
CRD O 458.1, Chg. 2**	Radiation Protection of the Public and the Environment

CRD O 580.1A	Department of Energy Personal Property Management Program
Add:	
CRD O 142.2A, Admin Chg. 1	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
CRD M 205.1-3, Admin Chg. 1	Telecommunications Security Manual
CRD O 231.1B, Admin Chg. 1	Environment, Safety and Health Reporting
CRD O 243.1B, Admin Chg. 1	Records Management Program
CRD O 252.1A, Admin Chg. 1	Technical Standards Program
CRD O 350.1, Chg. 4	Contractor Human Resource Management Programs
CRD O 414.1D, Admin Chg. 1	Quality Assurance
CRD O 422.1, Admin Chg. 1	Conduct of Operations
CRD O 425.1D, Admin Chg. 1	Verification of Readiness to Startup or Restart Nuclear Facilities
CRD O 426.2, Admin Chg. 1	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
CRD O 433.1B, Admin Chg. 1	Maintenance Management Program for DOE Nuclear Facilities
DOE M 435.1-1, Admin Chg. 2	Radioactive Waste Management Manual
CRD O 456.1, Admin Chg. 1	The Safe Handling of Unbound Engineered Nanoparticles
CRD O 458.1, Admin Chg. 3**	Radiation Protection of the Public and the Environment
CRD O 580.1A, Admin Chg. 1	Department of Energy Personal Property Management Program [M962]

4. This modification results in no further changes to the Contract.

(End of Contract Modification)

BATTELLE MEMORIAL INSTITUTE
CONTRACT NO. DE-AC05-76RL01830
SPECIAL FINANCIAL INSTITUTION ACCOUNT AGREEMENT
FOR USE WITH THE PAYMENTS CLEARED FINANCING ARRANGEMENT

MODIFICATION NO. 1

SCHEDULE

I. RECITALS

This is a modification to Contract No. DE-AC05-76RL01830 financing agreement, between the contracting parties, the UNITED STATES OF AMERICA, represented by the Department of Energy (hereinafter referred to as DOE) BATTELLE MEMORIAL INSTITUTE, corporation/legal entity existing under the laws of the State of Ohio (hereinafter referred to as the Recipient); and U.S. Bank, a banking corporation under the laws of the State of Washington located at Richland, Washington (hereinafter referred to as the Bank).

There is now in full force and effect between the parties a contract (Contract DE-AC05-76RL01830), entered into on July 1, 2010.

The parties to this contract desire to modify said contract by extending the contract completion date.

II. COVENANTS

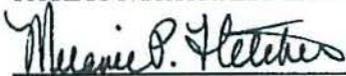
1. COVENANTS, Section 7. shall be deleted and the following substituted therefor:

"This Agreement, with all its provision and covenants, shall be in effect beginning on July 1, 2010 and extending through June 30, 2012, with an option to extend an additional four, one year option periods, unless earlier terminated as provided in this Agreement."

2. It is understood and agreed that all other terms and conditions of Contract DE-AC05-76RL01830 financing agreement shall remain unchanged.

III. SIGNATURES

By: U.S. DEPARTMENT OF ENERGY
PACIFIC NORTHWEST SITE OFFICE



Melanie P. Fletcher

Title: Contracting Officer

Date: 6/30/2011

By: BATTELLE MEMORIAL INSTITUTE



Brian R. Smith

Title: Assistant Treasurer

Date: 6/28/11

By: U. S. BANK



Gail B. Heinselmann

Title: Vice President

Date: June 24, 2011

**BATTELLE MEMORIAL INSTITUTE
CONTRACT NO. DE-AC05-76RL01830
SPECIAL FINANCIAL INSTITUTION ACCOUNT AGREEMENT
FOR USE WITH THE PAYMENTS CLEARED FINANCING ARRANGEMENT**

MODIFICATION NO. 2

SCHEDULE

I. RECITALS

This is a modification to Contract No. DE-AC05-76RL01830 financing agreement, between the contracting parties, the UNITED STATES OF AMERICA, represented by the Department of Energy (hereinafter referred to as DOE) BATTELLE MEMORIAL INSTITUTE, corporation/legal entity existing under the laws of the State of Ohio (hereinafter referred to as the Recipient); and U.S. Bank, a banking corporation under the laws of the State of Washington located at Richland, Washington (hereinafter referred to as the Bank).

There is now in full force and effect between the parties a contract (Contract DE-AC05-76RL01830), entered into on July 1, 2010.

The parties to this contract desire to modify said contract by extending the contract completion date.

II. COVENANTS

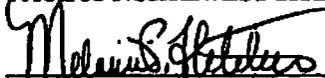
1. COVENANTS, Section 7. shall be deleted and the following substituted therefor:

"This Agreement, with all its provision and covenants, shall be in effect beginning on July 1, 2010 and extending through June 30, 2013, with an option to extend an additional ~~three~~ one year option periods, unless earlier terminated as provided in this Agreement."

2. It is understood and agreed that all other terms and conditions of Contract 402794-A-C3 shall remain unchanged.

III. SIGNATURES

By: U.S. DEPARTMENT OF ENERGY
PACIFIC NORTHWEST SITE OFFICE

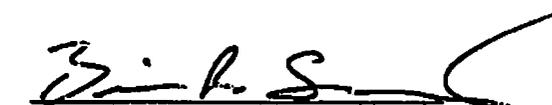


Melanie P. Fletcher

Title: Contracting Officer

Date: 6/20/2012

By: BATTELLE MEMORIAL INSTITUTE

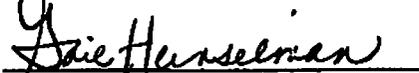


Brian R. Smith

Title: Assistant Treasurer

Date: 6/19/12

By: U.S. BANK



Gail B. Heinselman

Title: Vice President

Date: June 7, 2012

BATTELLE MEMORIAL INSTITUTE
CONTRACT NO. DE-AC05-76RL01830
SPECIAL FINANCIAL INSTITUTION ACCOUNT AGREEMENT
FOR USE WITH THE PAYMENTS CLEARED FINANCING ARRANGEMENT

MODIFICATION NO. 3

SCHEDULE

I. RECITALS

This is a modification to Contract No. DE-AC05-76RL01830 financing agreement, between the contracting parties, the UNITED STATES OF AMERICA, represented by the Department of Energy (hereinafter referred to as DOE) BATTELLE MEMORIAL INSTITUTE, corporation/legal entity existing under the laws of the State of Ohio (hereinafter referred to as the Recipient); and U.S. Bank National Association, a national bank with an office in Richland, Washington (hereinafter referred to as the Bank).

There is now in full force and effect between the parties a contract (Contract DE-AC05-76RL01830), entered into on July 1, 2010.

The parties to this contract desire to modify said contract by extending the contract completion date.

II. COVENANTS

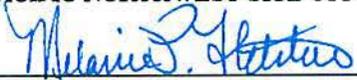
1. COVENANTS, Section 7. shall be deleted and the following substituted therefor:

"This Agreement, with all its provision and covenants, shall be in effect beginning on July 1, 2010 and extending through June 30, 2014, with an option to extend an additional two, one year option periods, unless earlier terminated as provided in this Agreement."

2. It is understood and agreed that all other terms and conditions of Contract 402794-A-C3 shall remain unchanged.

III. SIGNATURES

By: U.S. DEPARTMENT OF ENERGY
PACIFIC NORTHWEST SITE OFFICE


Melanie P. Fletcher

Title: Contracting Officer

Date: 4/18/13

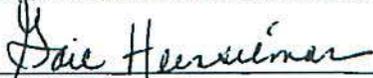
By: BATTELLE MEMORIAL INSTITUTE


Brian R. Smith

Title: ~~Assistant~~ Treasurer

Date: 3-12-13

By: U.S. BANK NATIONAL ASSOCIATION


Gail B. Heinselman

Title: Vice President

Date: March 4, 2013

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

Section J

Appendix C

Subcontracting Plan for Socioeconomic Programs

**Pacific Northwest National Laboratory
Subcontracting Plan
Fiscal Year 2014**

Socioeconomic Programs

Battelle's policy pledges a strong commitment to involving small and socioeconomically disadvantaged business concerns in the operation of the Pacific Northwest National Laboratory. Battelle supports the socioeconomic objectives of the U.S. Government and recognizes that diversity in subcontracting provides a vital link to the local community, strengthens the economy, and represents best business practices.

In keeping with the above policy, Battelle and the U.S. Department of Energy (DOE) have established the following Subcontracting Plan (this Plan). This Plan shall remain in effect from October 1, 2002, for the entire Contract period associated with this Contract. However, annual goals shall be negotiated and established by written agreement between the Contracting Officer and Battelle and shall be incorporated into this Plan by letter and will not require a Contract modification.

I. Goals

- A. Based on an estimated average annual fiscal year budget of \$1,015,644,164 and an adjusted procurement volume of \$334,391,772, Battelle's goals for Fiscal Year 2014 are to –
 1. Award 52 percent to Small Business concerns, estimated at \$173,883,721.
 2. Award 5 percent to Small Disadvantaged Business concerns, estimated at \$16,719,589.
 3. Award 5 percent to Women-Owned Small Business concerns, estimated at \$16,719,589.
 4. Award 3 percent to HUBZone Small Business concerns, estimated at \$10,031,753.
 5. Award 1 percent to Veteran-Owned Small Business concerns, estimated at \$3,343,918.
 6. Award 3 percent to Service-Disabled Veteran-Owned Small Business concerns, estimated at \$10,031,753.
- B. Goals must be realistic to present the proper challenge to staff who are ultimately responsible for goal achievement. The percentage goals in A. above, based on past performance and future projections, will present such a challenge.
- C. These goals are accumulated based on subcontracts and purchase orders placed and do not include other indirect costs. They will include all dollars awarded under Contract DE-AC05-76RL01830 with the exception of those dollars awarded to other Battelle Inter-laboratory Authorizations or to other Battelle-owned entities, building leases, and to firms outside the U.S.A. Other minor exclusions apply including payment to GSA for vehicle leases, travel costs for non-PNNL staff and society memberships.
- D. The principal products and services to be obtained in support of this Plan are those generally associated with an extremely diverse research and development environment. The business concerns in this Plan will generally supply a major portion of the goods and services listed in Table A.

TABLE A

Subcontracted Effort	SB	SDB	WOSB	HUB Zone	VO	SDVO
Electrical material and supplies	x	x	x	x	x	
Pumps, gauges and valves	x			x		
Computer equipment and supplies	x	x	x	x	x	x
Tooling	x					
Aluminum and other metals	x					
Laboratory supplies	x	x	x			
Reproduction supplies	x	x	x			
Office supplies	x	x	x			
Chemicals	x	x	x		x	
Tools of all types	x					
Electrical equipment and parts	x				x	
Construction services and materials	x	x	x		x	
Custodial equipment and supplies	x					
Fuels and lubricants	x				x	
Plastic products	x	x		x		
Industrial hardware	x	x				x
Translating Services	x		x		x	x
Technical support	x		x		x	

II. Battelle Subcontracting Plan Administrator

Battelle's Small Business Program Manager, Kerry Bass, is responsible to the PNNL Contracts Manager and will administer this Subcontracting Plan. Any change in the name of the Small Business Program Manager will be communicated without delay to the Contracting Officer. Responsibilities of the Small Business Program Manager include:

- Serve as Battelle's interface with small and socioeconomically-disadvantaged businesses.
- Maintain and keep current listings of small and socioeconomically-disadvantaged businesses.
- Participate as Battelle representative in small business trade fairs, specifically directed toward offering opportunities for participants to do business with Battelle.
- Attend DOE-sponsored Small Business Program Manager Meetings and participate in the annual DOE Small Business Conference.
- Participate in trade associations, business development organizations, and conferences to locate and identify small and socioeconomically-disadvantaged business sources.
- Counsel and discuss subcontracting opportunities with potential small and socioeconomically-disadvantaged business firms and arrange appropriate assistance to these firms as required and practicable.
- Provide statistics to Battelle management on progress toward established goals and recognition of significant Contract Specialist performance in this area.
- Hold periodic training and other meetings with the appropriate acquisition staff on the Socioeconomic Programs.

- Conduct periodic meetings and otherwise communicate with Battelle organizational components covering Battelle's Socioeconomic Programs.
- Support Small Business Administration (SBA) activities as requested.

III. Administration of Battelle's Subcontracting Plan

Battelle staff is committed to offering a fair and equitable opportunity for small and socioeconomically disadvantaged business concerns, to compete for the goods and services required to support our ongoing research.

Battelle responds either verbally or in writing to each request received from firms that desire an opportunity to compete for purchase order/subcontract business.

A computerized listing of small and socioeconomically-disadvantaged business concerns is maintained by the Small Business Program Manager.

The Small Business Program Manager may participate in the screening of purchase requisitions and may add suggested small and socioeconomically-disadvantaged businesses as potential sources for Contracts Specialist consideration.

Staff members are encouraged to use the Small Business Dynamic Search database established and maintained by the SBA for locating small and socioeconomically-disadvantaged businesses.

Staff will post all written, competitive solicitations >\$100,000 on PNNL's website to maximize exposure to small and socioeconomically-disadvantaged businesses, unless the acquisition is for: 1. construction services <\$500,000 using the "Short Notice Acquisition Process" which is reserved for small businesses, 2. work performed, or delivery will occur, in a foreign country, or 3. work performed under a classified or "Confidential Foreign Government Information – Modified Handling Authorized (C/FGI-MOD)" projects. When appropriate, procurements may be synopsisized in the Federal Business Opportunities (FedBizOpps) in an effort to locate additional qualified small and socioeconomically-disadvantaged business concerns for participation.

IV. Flow-Down Requirements to Battelle's Subcontractors

Each purchase order/subcontract action exceeding \$150,000 placed in furtherance of Prime Contract DE-AC06-76RL01830 will include the clause: "Utilization of Small Business Concerns."

Lower-Tier Subcontracting Plans from large business concerns are each reviewed and approved by Battelle's Small Business Program Manager. Contact is established with the Lower-Tier Subcontractors Plan Administrator to offer assistance in identifying potential small and socioeconomically-disadvantaged sources and establish semi-annual reporting requirements.

Battelle's Procurement Policies Manual contains instructions to staff to include in all solicitations for negotiated procurements exceeding \$650,000 (\$1,500,000 for construction) and which will offer subcontracting opportunities, the requirement to develop and adopt a Small Business Subcontracting Plan as required by Battelle's operating contract.

V. Periodic Reporting and Cooperating with DOE and SBA

Battelle will submit such periodic reports, as may be required by DOE or the SBA, in order to determine the extent of compliance with this Subcontracting Plan.

Battelle will cooperate in any studies or surveys conducted by DOE or SBA, by furnishing requested available statistical data.

Battelle will submit the Individual Subcontracting Report (ISR) and Summary Subcontract Report (SSR) in accordance with the instructions provided by DOE and the Electronic Subcontracting Reporting System. Further, Battelle will ensure that its subcontractors agree to electronically submit their ISR and SSR.

VI. Maintaining Records

Computerized reports are used to track progress toward achievement of goals. These reports are used to prepare monthly and quarterly reports (more frequent if requested) summarizing activity and progress related to compliance with the Subcontracting Plan.

In support of this Plan, Battelle will maintain the following records:

- Source lists (e.g., Dynamic Small Business Search, VetBiz Search, etc.), guides and other data that identify small and socioeconomically-disadvantaged business concerns
- Organizations contacted to locate small and socioeconomically-disadvantaged business concerns.
- Records on each competitive, domestic solicitation resulting in an award of more than \$150,000, indicating whether small and socioeconomically-disadvantaged businesses were solicited and, if not, why not, and, if applicable, the reason award was not made to a small business concern.
- Records of any outreach efforts and contacts with trade associations, business development organizations, and conferences and trade fairs to locate small and socioeconomically-disadvantaged sources.
- Records of internal guidance and encouragement provided to buyers through (1) workshops, seminars, training, etc., and (2) monitoring performance to evaluate compliance with the program's requirements.
- On a contract-by-contract basis, records to support award data submitted by the offeror to Battelle, including the name, address, and business size of each subcontractor.

**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 130.1	BUDGET FORMULATION
CRD M 140.1-1B	INTERFACE WITH THE DEFENSE NUCLEAR FACILITIES SAFETY BOARD
CRD O 142.2A, Admin Chg. 1	VOLUNTARY OFFER SAFEGUARDS AGREEMENT AND ADDITIONAL PROTOCOL WITH THE INTERNATIONAL ATOMIC ENERGY AGENCY
CRD O 142.3A	UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS PROGRAM
CRD O 150.1	CONTINUITY OF PROGRAMS
CRD O 151.1C	COMPREHENSIVE EMERGENCY MANAGEMENT SYSTEM
CRD O 200.1A	INFORMATION TECHNOLOGY MANAGEMENT
CRD M 200.1-1	CHAPTER 9 PUBLIC KEY CRYPTOGRAPHY AND KEY MANAGEMENT
CRD O 205.1B, Chg. 2	DEPARTMENT OF ENERGY CYBER SECURITY PROGRAM
CRD M 205.1-3, Admin Chg. 1	TELECOMMUNICATIONS SECURITY MANUAL
CRD O 206.1	DEPARTMENT OF ENERGY PRIVACY PROGRAM
CRD O 206.2	PERSONAL IDENTITY VERIFICATION
CRD O 210.2A	DOE CORPORATE OPERATING EXPERIENCE PROGRAM
CRD O 221.1A	REPORTING FRAUD, WASTE, AND ABUSE TO THE OFFICE OF INSPECTOR GENERAL
CRD O 221.2A	COOPERATION WITH THE OFFICE OF INSPECTOR GENERAL
CRD O 225.1B	ACCIDENT INVESTIGATIONS
CRD O 227.1	INDEPENDENT OVERSIGHT PROGRAM
CRD O 231.1B, Admin Chg. 1	ENVIRONMENT, SAFETY AND HEALTH REPORTING
CRD O 232.2	OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION
CRD O 241.1B	SCIENTIFIC AND TECHNICAL INFORMATION MANAGEMENT
CRD O 243.1B, Admin Chg. 1	RECORDS MANAGEMENT PROGRAM
CRD O 252.1A, Admin Chg. 1	TECHNICAL STANDARDS PROGRAM
CRD O 313.1	MANAGEMENT AND FUNDING OF THE DEPARTMENT'S OVERSEAS PRESENCE
CRD O 350.1, Chg. 4	CONTRACTOR HUMAN RESOURCE MANAGEMENT PROGRAMS (Chapters II and VII are applicable)
CRD O 350.2B	USE OF MANAGEMENT AND OPERATING OR OTHER FACILITY MANAGEMENT CONTRACTOR EMPLOYEES FOR SERVICES TO DOE IN THE WASHINGTON, D.C., AREA
CRD O 410.2	MANAGEMENT OF NUCLEAR MATERIALS
CRD O 413.1B	INTERNAL CONTROL PROGRAM
CRD O 413.2B, Chg. 1	LABORATORY DIRECTED RESEARCH AND DEVELOPMENT
CRD O 413.3B	PROGRAM AND PROJECT MANAGEMENT FOR THE ACQUISITION OF CAPITAL ASSETS
CRD O 414.1D, Admin	QUALITY ASSURANCE

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
Chg. 1	
CRD O 420.1C ***	FACILITY SAFETY
CRD O 420.2C	SAFETY OF ACCELERATOR FACILITIES
CRD O 422.1, Admin Chg. 1	CONDUCT OF OPERATIONS
CRD O 425.1D, Admin Chg. 1	VERIFICATION OF READINESS TO STARTUP OR RESTART NUCLEAR FACILITIES
CRD O 426.2, Admin Chg. 1	PERSONNEL SELECTION, TRAINING, QUALIFICATION, AND CERTIFICATION REQUIREMENTS FOR DOE NUCLEAR FACILITIES
CRD O 430.1B, Chg. 2	REAL PROPERTY AND ASSET MANAGEMENT
CRD O 433.1B, Admin Chg. 1	MAINTENANCE MANAGEMENT PROGRAM FOR DOE NUCLEAR FACILITIES
CRD O 435.1, Chg. 1*	RADIOACTIVE WASTE MANAGEMENT
DOE M 435.1-1, Admin Chg. 2	RADIOACTIVE WASTE MANAGEMENT MANUAL
CRD O 440.2C, Chg. 1	AVIATION MANAGEMENT AND SAFETY
CRD M 441.1-1	NUCLEAR MATERIAL PACKAGING MANUAL
CRD O 442.2	DIFFERING PROFESSIONAL OPINIONS FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
CRD O 443.1B	PROTECTION OF HUMAN SUBJECTS
CRD O 452.8	CONTROL OF NUCLEAR WEAPON DATA
CRD O 456.1, Admin Chg. 1	THE SAFE HANDLING OF UNBOUND ENGINEERED NANOPARTICLES
CRD O 458.1, Chg. 3**	RADIATION PROTECTION OF THE PUBLIC AND THE ENVIRONMENT
CRD O 460.1C	PACKAGING AND TRANSPORTATION SAFETY
CRD M 460.2-1A	RADIOACTIVE MATERIAL TRANSPORTATION PRACTICES MANUAL
CRD O 460.2A	DEPARTMENTAL MATERIALS TRANSPORTATION AND PACKAGING MANAGEMENT
CRD O 461.1B	PACKAGING AND TRANSFER FOR OFFSITE SHIPMENT OF MATERIALS OF NATIONAL SECURITY INTEREST
DOE O 470.3B	GRADED SECURITY PROTECTION (GPS) POLICY
CRD O 470.4B, Admin Chg. 1	SAFEGUARDS AND SECURITY PROGRAM
CRD O 471.1B	IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
CRD O 471.3, Chg. 1	IDENTIFYING AND PROTECTING OFFICIAL USE ONLY INFORMATION
CRD M 471.3-1, Chg. 1	MANUAL FOR IDENTIFYING AND PROTECTING OFFICIAL USE ONLY INFORMATION
CRD O 471.5	SPECIAL ACCESS PROGRAMS
CRD O 471.6, Admin Chg. 1	INFORMATION SECURITY
CRD O 472.2	PERSONNEL SECURITY
CRD O 473.3	PROTECTION PROGRAM OPERATIONS
CRD O 474.2, Admin Chg.2	NUCLEAR MATERIAL CONTROL AND ACCOUNTABILITY
CRD O 475.1	COUNTERINTELLIGENCE PROGRAM
CRD O 475.2A	IDENTIFYING CLASSIFIED INFORMATION

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
CRD O 483.1	DOE COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS
CRD O 484.1, Chg. 1	REIMBURSABLE WORK FOR THE DEPARTMENT OF HOMELAND SECURITY
CRD O 522.1	PRICING OF DEPARTMENTAL MATERIALS AND SERVICES
CRD O 534.1B	ACCOUNTING
CRD O 551.1D	OFFICIAL FOREIGN TRAVEL
CRD O 580.1A, Admin Chg. 1	DEPARTMENT OF ENERGY PERSONAL PROPERTY MANAGEMENT PROGRAM
DOE O 5639.8A	SECURITY OF FOREIGN INTELLIGENCE INFORMATION AND SENSITIVE COMPARTMENTED INFORMATION FACILITIES
DOE-0223	RL EMERGENCY IMPLEMENTING PROCEDURES – APPLICABLE TO PNNL-MANAGED FACILITIES AND ACTIVITIES ON THE HANFORD SITE
DOE/RL-94-02, Rev. 5	HANFORD EMERGENCY MANAGEMENT PLAN– APPLICABLE TO PNNL-MANAGED FACILITIES AND ACTIVITIES ON THE HANFORD SITE
DOE/RL-2001-36	HANFORD SITE TRANSPORTATION SAFETY DOCUMENT, REV.1-B

- * 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’s responsibility to implement CRD O 458.1, Chg. 3 “Radiation Protection of the Public and the Environment” is limited to paragraphs 2.d., 2.g., and 2.k.
- ***The Contractor shall submit a plan to implement CRD O 420.1C, “Facility Safety” within 60 calendar days after the effective date of the modification to include the subject revised order.