Al	MENDMENT OF SOLICITATION/MO	DIFICATION OF CONTR	ACT	1. CON	ITRACT ID COI	DE	PAGE 1	OF 	PAGES 4
200	MENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION	ON/PURC	HASE REQ.	5. PRO	DJECT NO.	(If applica	able)
Z. MINERO	M840	(M/D/Y)	NO.						
	996-400° 1020-900	See Block 16C	1230	125002055					
6. ISSUED	BY		7. ADMINISTERED BY (If other than Item 6)						
COSE		CODE							
The state of the s	partment of Energy Northwest Site Office								
	ice Box 350								
	d, WA 99352								
	ND ADDRESS OF CONTRACTOR (No., street	et, county, State and ZIP code)		T	9A. AMENDME	NT OF	SOLICITATI	ON NO.	
					Transit to the course of the course	AND CONTRACTOR OF THE PARTY OF	110 to 0 t		
	Memorial Institute				9B. DATED (SEE ITEM 11)				
	Northwest Division								
	d, Benton County, WA 99352				10A. MODIFICA	ATION C	TION OF CONTRACT/ ORDER NO.		
DUNS #	032987476				DE-AC05-76RL01830				
		FACILITY CODE	10B. DATED (SEE ITEM 13)						
CODE		FACILITY CODE December 30, 1964							
	1	1. THIS ITEM APPLIES TO AME	NDMENTS OF S	SOLICITA	TIONS				
returningincludes a RECEIPT (offer alread the opening 12. ACCOU	ge receipt of this amendment prior to the hour acopies of the amendment; (b) By ackreference to the solicitation and amendment nur DF OFFERS PRIOR TO THE DATE AND HOUF by submitted, such change may be made by tele g hour and date specified.  JINTING AND APPROPRIATION DATA (If req TEM APPLIES ONLY TO MODIFICATIONS OF ES THE CONTRACT/ORDER NO. AS SET FOF A. THIS CHANGE ORDER IS ISSUED F  B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH IN C. THIS SUPPLEMENTAL AGREEMEN The mutual agreement of the parties	nowledging receipt of this amenda mbers. FAILURE OF YOUR ACK R SPECIFIED MAY RESULT IN R gram or letter, provided each tele nuired)  CONTRACTS/ORDERS, RTH IN ITEM 14.  PURSUANT TO: (Specify author)  TORDER IS MODIFIED TO	nent on each cop NOWLEDGEME REJECTION OF ' gram or letter many hority) THE C	oy of the control of	ffer submitted; or E RECEIVED AT FER. If by virtue ence to the solicite S SET FORTH RATIVE CHANG 3.103(b).	(c) By sr THE PL/ of this ar ation and	eparate lette ACE DESIG mendment y d amendmen	r or telegi NATED F ou desire nt and is r	ram which OR THE to change an eceived prior to
	D OTHER (Specify type of modification and authority)								
E. IMPO	RTANT: Contractor  is not,	⊠ is required to sign thi	s document	and re	turn 2 con	ies to	the issui	na offic	e.
14. DESC	CRIPTION OF AMENDMENT/MODIFICATeral contract modification incorporatents, Exhibits and Other Attachments.	TION <i>(Organized by UCF se</i> es changes to Part I, Secti	ection headina on F, Deliver	s. includi	ina solicitation/d erformance, a	ontract and Pa	subiect m art III, Sec	atter whation J, I	ere feasible.)
15A. NAME AND TITLE OF SIGNER (Type or print)  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			or print)						
Karen L. Hoewing			Ryan M. Kilbury						
General Counsel			ntracting Officer						
Contracting Officer									
	STRACTOR/OFFEROR  AND AND LO  SO BOTTON  SO	15C. DATE SIGNED 2-8-12	BY 45	de	ontracting Off	ficer)	2.	DATE S	12
	1710N UNUSABLE	30-105					DARD FORM 30 ibed by GSAFAR		

### **Purpose of Modification:**

The Department of Energy (DOE), Office of Science (SC), Pacific Northwest Site Office (PNSO) is modifying the Contract to update Section F and Section J to their most current form.

1. Revise Part I, Section F – Deliveries or Performance, Clause F-3 Deliverables to remove Deliverable J from the Deliverables Table to be revised as follows:

Deliverable	Source Requirement	Description		
A	CO Letter 99-FMD-052 dated December 14, 1998, subject "PNNL	Provide a report by end of first quarter of each fiscal year with		
	Special Purpose Equipment	investment status against the		
	Reimbursement Proposal".	minimum threshold, and include a		
	Reinibulsement Proposal .	listing of Battelle-owned mutually		
		beneficial Special Purpose		
		Equipment not in an equipment		
		center.		
В	CO Letter 02-FMD-0060, dated	Provide by the 10th of every		
	October 23, 2002, subject	month a reconciliation of activities		
	"Reconciliation of Activities	charged to suspense accounts.		
	Charged to Suspense Debits and			
	Budget and Reporting YN01".			
С	CO Letter 09-PNSO-0219 dated	By April 15 of every year, provide a		
	March 20, 2009, subject "Review	report disclosing all corporate		
	of Related Party Transactions at	allocations and the nature of the		
	PNNL".	allocations.		
D	CO Letter 10-PNSO-0186 dated	Provide report within 30 days of		
	February 17, 2010, subject	the end of each fiscal year of		
	"Oregon State University - Use of	changes in DOE equipment usage		
	DOE Owned Equipment".	at the Microproducts		
		Breakthrough Institute (MBI)		
		located at Oregon State		
		University.		
E	DOE HQ	As required by DOE HQ, provide		
		input into the DOE Workforce		
		Information System (WFIS): 1)		
		Annual workforce restructuring		
		report, and 2) quarterly EEO		
<u> </u>	CO letter OF DD 197 deted \$4	reports.		
F	CO letter 06-PD-187 dated May	By the 15th calendar day of each		
	10, 2006, subject "Field Office	month, provide a trial balance		
	Integrated Contactor Trial Balance Reconciliation Certification".	monthly recertification.		
	Neconciliation Certification .	Additionally, provide a biannual reconciliation and certification at		
		reconciliation and certification at		

G	DOE letter dated Feb. 10, 1987 from MJ Plahuta to PNNL Director, subject "Cost of Work Performed under the Related Services Article of Contract 1830".	the full Accounting Flex Field level for specific Standard General Ledger accounts.  Within six months after end of each fiscal year provide a notification report with supporting documentation of Other Federal Agencies funds used to replenish General Research Equipment (GRE).
Н	CO letter 08-PNSO-0601 dated Sept. 29, 2008, subject "Letter of Credit".	Quarterly review of payments cleared financing arrangement with the financial institution, to be provided within 30 days of end of each quarter, plus semi-annual analysis that demonstrates the adequacy of funds on deposit for the previous six-month period consistent with DOE Accounting Handbook, section 6-11.
1	CO letter 09-PNSO-0158 dated Jan. 16, 2009, subject "Washington State University Use of DOE Owned Equipment.	Consistent with DOE Order 522.1 required analysis of pricing data, provide annual report detailing DOE equipment in BSEL, WSU usage of equipment in the service center and equipment that meets the criteria for a service center, and an analysis showing WSU non-collaborative usage no later than 30 days after the end of each fiscal year.

#### [M840]

Revise Part III, Section J – Appendix D to include the deletion, replacement and addition of directives to the contract

### 2. Revise Part III, Section J – Appendix D as follows:

Delete:

CRD O 420.2B Safety of Accelerator Facilities

CRD M 450.4-1 Integrated Safety Management System Manual

CRD M 470.4-2A Physical Protection

CRD M 470.4-3A Contractor Protective Force CRD M 470.4-4A, Chg. 1 Information Security Manual

CRD M 470.4-5 Personnel Security

CRD M 470.4-6, Chg. 1 Nuclear Material Control and Accountability

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Special Access Program Policies, Responsibilities, and Procedures
The Safe Handling of Unbound Engineered Nanoparticles
Control of Weapon Data
Safety of Accelerator Facilities
Control of Nuclear Weapon Data
The Safe Handing of Unbound Engineered Nanoparticles
Special Access Programs
Information Security
Personnel Security
Protection Program Operations

# [M840]

**Nuclear Material Control and Accountability** 

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

CRD O 474.2, Admin Chg. 1

(End of Contract Modification)

**Modification M840** 

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

#### Section J

# Appendix D

List of Applicable DOE Directives & External Requirements

Modification M840

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

DIRECTIVE TUDE
BUDGET FORMULATION
INTERFACE WITH THE DEFENSE NUCLEAR FACILITIES SAFETY BOARD
VOLUNTARY OFFER SAFEGUARDS AGREEMENT AND ADDITIONAL
PROTOCOL WITH THE INTERNATIONAL ATOMIC ENERGY AGENCY
UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS PROGRAM
CONTINUITY OF PROGRAMS
COMPREHENSIVE EMERGENCY MANAGEMENT SYSTEM
INFORMATION TECHNOLOGY MANAGEMENT
CHAPTER 9 PUBLIC KEY CRYPTOGRAPHY AND KEY MANAGEMENT
DEPARTMENT OF ENERGY CYBER SECURITY PROGRAM
TELECOMMUNICATIONS SECURITY MANUAL
PERSONAL IDENTITY VERIFICATION
DOE CORPORATE OPERATING EXPERIENCE PROGRAM
REPORTING FRAUD, WASTE, AND ABUSE TO THE OFFICE OF INSPECTOR
GENERAL
COOPERATION WITH THE OFFICE OF INSPECTOR GENERAL
ACCIDENT INVESTIGATIONS
OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS
INFORMATION
REPORTING OF RADIOACTIVE SEALED SOURCES (except exclusion 3c)
SCIENTIFIC AND TECHNICAL INFORMATION MANAGEMENT
RECORDS MANAGEMENT PROGRAM (except exclusion 3c)
VITAL RECORDS (except exclusion 3c)
TECHNICAL STANDARDS PROGRAM
MANAGEMENT AND FUNDING OF THE DEPARTMENT'S OVERSEAS
PRESENCE
USE OF MANAGEMENT AND OPERATING OR OTHER FACILITY
MANAGEMENT CONTRACTOR EMPLOYEES FOR SERVICES TO DOE IN
THE WASHINGTON, D.C., AREA
MANAGEMENT OF NUCLEAR MATERIALS
INTERNAL CONTROL PROGRAM
LABORATORY DIRECTED RESEARCH AND DEVELOPMENT
PROGRAM AND PROJECT MANAGEMENT FOR THE ACQUISITION OF CAPITAL ASSETS
QUALITY ASSURANCE
FACILITY SAFETY
SAFETY OF ACCELERATOR FACILITIES
CONDUCT OF OPERATIONS
VERIFICATION OF READINESS TO STARTUP OR RESTART NUCLEAR
FACILITIES
PERSONNEL SELECTION, TRAINING, QUALIFICATION, AND
CERTIFICATION REQUIREMENTS FOR DOE NUCLEAR FACILITIES

Modification M840

CRD O 430.1B, Chg 1 CRD O 433.1B  CRD O 435.1, Chg 1* DOE M 435.1-1, Chg 1 CRD O 440.2B, Chg 1 CRD M 441.1-1	REAL PROPERTY AND ASSET MANAGEMENT MAINTENANCE MANAGEMENT PROGRAM FOR DOE NUCLEAR FACILITIES RADIOACTIVE WASTE MANAGEMENT RADIOACTIVE WASTE MANAGEMENT MANUAL AVIATION MANAGEMENT AND SAFETY NUCLEAR MATERIAL PACKAGING MANUAL DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH PROTECTION OF HUMAN SUBJECTS
CRD O 433.1B  CRD O 435.1, Chg 1*  DOE M 435.1-1, Chg 1  CRD O 440.2B, Chg 1  CRD M 441.1-1	MAINTENANCE MANAGEMENT PROGRAM FOR DOE NUCLEAR FACILITIES RADIOACTIVE WASTE MANAGEMENT RADIOACTIVE WASTE MANAGEMENT MANUAL AVIATION MANAGEMENT AND SAFETY NUCLEAR MATERIAL PACKAGING MANUAL DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
CRD O 433.1B  CRD O 435.1, Chg 1*  DOE M 435.1-1, Chg 1  CRD O 440.2B, Chg 1  CRD M 441.1-1	FACILITIES RADIOACTIVE WASTE MANAGEMENT RADIOACTIVE WASTE MANAGEMENT MANUAL AVIATION MANAGEMENT AND SAFETY NUCLEAR MATERIAL PACKAGING MANUAL DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
DOE M 435.1-1, Chg 1 CRD O 440.2B, Chg 1 CRD M 441.1-1	RADIOACTIVE WASTE MANAGEMENT MANUAL AVIATION MANAGEMENT AND SAFETY NUCLEAR MATERIAL PACKAGING MANUAL DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
CRD O 440.2B, Chg 1 A	AVIATION MANAGEMENT AND SAFETY NUCLEAR MATERIAL PACKAGING MANUAL DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
CRD M 441.1-1	NUCLEAR MATERIAL PACKAGING MANUAL DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
	DIFFERING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
CRD M 442.1-1	INVOLVING ENVIRONMENT, SAFETY AND HEALTH
]	PROTECTION OF HUMAN SUBJECTS
CRD O 443.1B	
CRD O 452.8	CONTROL OF NUCLEAR WEAPON DATA
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 460.1C	PACKAGING AND TRANSPORTATION SAFETY
CRD M 460.2-1A	RADIOACTIVE MATERIAL TRANSPORTATION PRACTICES MANUAL
	DEPARTMENTAL MATERIALS TRANSPORTATION AND PACKAGING MANAGEMENT
	PACKAGING AND TRANSFER FOR OFFSITE SHIPMENT OF MATERIALS OF NATIONAL SECURITY INTEREST
CRD O 470.2B	INDEPENDENT OVERSIGHT AND PERFORMANCE ASSURANCE PROGRAM
DOE O 470.3B	GRADED SECURITY PROTECTION (GPS) POLICY
CRD O 470.4B	SAFEGUARDS AND SECURITY PROGRAM
<b>5</b>	IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
CRD O 471.3, Chg. 1	IDENTIFYING AND PROTECTING OFFICIAL USE ONLY INFORMATION
	MANUAL FOR IDENTIFYING AND PROTECTING OFFICIAL USE ONLY INFORMATION
CRD O 471.5	SPECIAL ACCESS PROGRAMS
CRD O 471.6	INFORMATION SECURITY
CRD O 472.2	PERSONNEL SECURITY
CRD O 473.3	PROTECTION PROGRAM OPERATIONS
CRD O 474.2, Admin Chg.1	NUCLEAR MATERIAL CONTROL AND ACCOUNTABILITY
CRD O 475.1	COUNTERINTELLIGENCE PROGRAM
CRD O 475.2A	IDENTIFYING CLASSIFIED INFORMATION
	REIMBURSABLE WORK FOR THE DEPARTMENT OF HOMELAND SECURITY
CRD O 482.1	DOE FACILITIES TECHNOLOGY PARTNERING PROGRAMS
CRD O 483.1	DOE COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS
CRD O 522.1	PRICING OF DEPARTMENTAL MATERIALS AND SERVICES
CRD O 534.1B	ACCOUNTING
CRD O 551.1C	OFFICIAL FOREIGN TRAVEL
, ,	DEPARTMENT OF ENERGY PERSONAL PROPERTY MANAGEMENT PROGRAM
	CONSENSUAL LISTENING-IN TO OR RECORDING TELEPHONE/RADIO CONVERSATIONS

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DOBDIRECTIVES	
DIRECTION DESCRIPTION	Directive frome
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. 4	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

<sup>\*</sup> 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.

<sup>\*\*</sup> The Contractor's responsibility to implement CRD O 458.1, Chg. 1 "Radiation Protection of the Public and the Environment" is limited to paragraphs 2.d., 2.g., and 2.k.