

Replace with:

CRD N 206.4, "Personal Identity Verification"
CRD O 226.1A, "Implementation of Department of Energy Oversight Policy"
DOE O 470.3A, "Design Basis Threat Policy"
CRD M 470.4-4, Chg1, "Information Security Manual"
CRD M 475.1-1B, "Identifying Classified Information Manual"

Add:

CRD O 475.2, Identifying Classified Information

Delete:

CRD M 205.1-1, "Incident Prevention, Warning, and Response (IPWAR) Manual"
CRD M 205.1-2, "Clearing, Sanitizing, and Destruction of Information System Storage Media, Memory Devices, and Related Hardware Manual"
CRD O 440.1A, "Worker Protection Management for DOE Federal and Contractor Employees"

Appendix F:

Replace: Appendix F Radiochemical Processing Laboratory Authorization Agreement Between U.S. Department of Energy, Richland Operations Office And Battelle Memorial Institute, Operator of the Pacific Northwest National Laboratory. 9/17/2004

Replace with: Appendix F Radiochemical Processing Laboratory Authorization Agreement Between U.S. Department of Energy, Pacific Northwest Site Office And Battelle Memorial Institute, Operator of the Pacific Northwest National Laboratory. November 2007.

Appendix F, Attachment A:

Replace:

CRD O 433.1, "Maintenance Management Program for DOE Nuclear Facilities"

Replace with:

CRD O 433.1A, "Maintenance Management Program for DOE Nuclear Facilities"

Add:

CRD O 425.1C, "Startup and Restart of Nuclear Facilities"

Contract Number: DE-AC05-76RL01830
Modification M474

**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 110.3A	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 142.2A	VOLUNTARY OFFER SAFEGUARDS AGREEMENT AND ADDITIONAL PROTOCOL WITH THE INTERNATIONAL ATOMIC ENERGY AGENCY
CRD O 142.3	UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS
CRD O 151.1C	COMPREHENSIVE EMERGENCY MANAGEMENT SYSTEM
CRD O 200.1	INFORMATION MANAGEMENT PROGRAM
CRD O 205.1A	DEPARTMENT OF ENERGY CYBER SECURITY MANAGEMENT PROGRAM
CRD M 205.1-3	TELECOMMUNICATIONS SECURITY MANUAL
CRD M 205.1-4	NATIONAL SECURITY 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 206.4	PERSONAL IDENTITY VERIFICATION
CRD O 210.2	DOE CORPORATE OPERATING EXPERIENCE PROGRAM
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 226.1A	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 243.1	RECORDS MANAGEMENT PROGRAM (except exclusion 3c)
CRD O 243.2	VITAL RECORDS (except for exclusion 3c)
CRD O 251.1B	DIRECTIVES SYSTEM

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
CRD O 252.1	TECHNICAL STANDARDS PROGRAM
CRD O 350.2A	USE OF MANAGEMENT AND OPERATING OR OTHER FACILITY MANAGEMENT CONTRACTOR EMPLOYEES FOR 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 413.2B	LABORATORY DIRECTED RESEARCH AND DEVELOPMENT
CRD O 413.3A	PROGRAM AND PROJECT MANAGEMENT FOR THE ACQUISITION OF CAPITAL ASSETS
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 440.2B, Chg 1	AVIATION MANAGEMENT AND SAFETY
CRD M 442.1-1	DIFFERENCING PROFESSIONAL OPINIONS MANUAL FOR TECHNICAL ISSUES INVOLVING ENVIRONMENT, SAFETY AND HEALTH
CRD O 443.1	PROTECTION OF HUMAN SUBJECTS
CRD M 450.4-1	INTEGRATED SAFETY MANAGEMENT SYSTEM MANUAL
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 470.3A	DESIGN BASIS THREAT POLICY
CRD M 470.4-1, Chg 1	SAFEGUARDS AND SECURITY PROGRAM PLANNING AND MANAGEMENT
CRD M 470.4-2, Chg 1	PHYSICAL PROTECTION
CRD M 470.4-3, Chg 1	PROTECTIVE FORCE
CRD M 470.4-4, Chg 1	INFORMATION SECURITY MANUAL
CRD M 470.4-5	PERSONNEL SECURITY
CRD M 470.4-6, Chg 1	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
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

DOE DIRECTIVES	
DIRECTIVE NO.	DIRECTIVE TITLE
CRD O 475.1	COUNTERINTELLIGENCE PROGRAM
CRD M 475.1-1B	IDENTIFYING CLASSIFIED INFORMATION MANUAL
CRD O 475.2	IDENTIFYING CLASSIFIED INFORMATION
CRD O 484.1	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
CRD O 522.1	PRICING OF DEPARTMENTAL MATERIALS AND SERVICES
CRD O 534.1B	ACCOUNTING
CRD O 551.1B	OFFICIAL FOREIGN TRAVEL
CRD O 580.1	DEPARTMENT OF ENERGY PERSONAL PROPERTY MANAGEMENT PROGRAM
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-0223	RL EMERGENCY IMPLEMENTING PROCEDURES – APPLICABLE TO PNNL-MANAGED FACILITIES AND ACTIVITIES ON THE HANFORD SITE
DOE/RL-94-02	HANFORD EMERGENCY RESPONSE PLAN– APPLICABLE TO PNNL-MANAGED FACILITIES AND ACTIVITIES ON THE HANFORD SITE
DOE/RL-01-0036	HANFORD SITE TRANSPORTATION SAFETY DOCUMENT, REV.1

* The Contractor shall submit a plan to implement CRD O 435.1, Chg I “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 I.

** 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.



Pacific Northwest Site Office

Radiochemical Processing Laboratory Authorization Agreement

November 2007, Rev. 0

Radiochemical Processing Laboratory Authorization Agreement
Between
U.S. Department of Energy, Pacific Northwest Site Office
And
Battelle Memorial Institute,
Operator of the Pacific Northwest National Laboratory

This Authorization Agreement (AA) serves as a mechanism whereby the U.S. Department of Energy (DOE), Pacific Northwest Site Office (PNSO) and Battelle Memorial Institute (Battelle), operator of the Pacific Northwest National Laboratory (PNNL) jointly agree to the conditions for conducting work safely and efficiently in the Radiochemical Processing Laboratory (RPL), also known as the 325 Building.

Work must be accomplished in a manner that achieves high levels of quality, protects the environment, the safety and health of workers, and the public, and is compliant with the applicable contractual and regulatory requirements. The intent of the AA is to address significant elements important to establishing and supporting the RPL Authorization Envelope (AE). The AA is incorporated as Appendix F to Battelle's Prime Contract (DE-AC05-76RL01830).

2. Scope of Authorization

The AA applies to the scope of work authorized by DOE in the RPL Nuclear Safety Basis, RPL Safety and Health Requirements Basis, and RPL Environmental Basis and approved revisions and/or amendments.

3. DOE Basis for Approval

The basis for DOE approval to perform work in the RPL and the basis for the conclusion that the work defined in this agreement can be performed without undue risk to the worker, the public, and the environment is:

- The Safety Evaluation Report (SER) for the RPL Documented Safety Analysis (DSA) and Technical Safety Requirements (TSR), including all subsequent changes and revisions to the RPL nuclear safety basis as approved by DOE.
- DOE approval of the PNNL Integrated Environment, Safety and Health (IES&H) Program Description (known by DOE as the Integrated Safety Management [ISM] Program).

4. Listing of Documents that Constitute the Authorization Envelope

The RPL Authorization Envelope (AE) establishes the limits of safe operation for all RPL activities. These limits are based on documented design limitations, controls, regulatory requirements, and assumptions or commitments that are required and based on identified hazards associated with the RPL facility and operations. The AE includes the RPL Nuclear

Safety Basis as required by 10 CFR 830 “Nuclear Safety Management” and applicable environmental, safety, and health requirements.

The RPL AE includes those documents listed in this AA. Battelle will maintain the documents under a disciplined configuration management program. Because the RPL is a research and development facility, the work conducted in the facility frequently changes consistent with programmatic objectives. However, the activities performed in RPL will be performed within the physical boundaries (i.e., systems, structures, and components) as defined in the AE. In addition, through performance of DOE management assessments, reviews for startup of specific activities and programs, periodic internal and external assessments as well as evaluations that require improvements such as the 325 Building Life Extension Safety Design Strategy. This will help to ensure the facility can be operated without endangering the health and safety of the public, the workers or the environment.

This agreement will be reviewed at least every two years and updated as necessary. This AA will be revised if new documents are added to or existing documents are deleted from the AA. Revisions or updates to the listed documents will not cause this AA to be revised until the scheduled review and revision date.

RPL Nuclear Safety Basis

- PNNL DSA-RPL (current approved version), “Documented Safety Analysis for the Radiochemical Processing Laboratory”, and approved revisions and/or amendments thereto;
- PNNL-TSR-RPL (current approved version), “Technical Safety Requirements for the Radiochemical Processing Laboratory”, and approved revisions and/or amendments thereto; and
- Safety Evaluation Report(s) (current approved version), and revisions and/or amendments thereto, on the PNNL-DSA-RPL or PNNL-TSR-RPL.

RPL Safety and Health Requirements Basis

- Attachment A to this agreement, “List of DOE Directives Uniquely Applicable to RPL Operations,” and Battelle’s Prime Contract, DE-AC05-76RL01830, Section J, Appendix D, “List of Applicable DOE Directives and External Requirements” and subsequent approved revisions, constitutes the safety and health requirements basis. Authorized deviations for RPL from the “List of DOE Directives Uniquely Applicable to RPL Operations” will be documented by Battelle, and approved by DOE through a change to this agreement, or through Exemption Requests, Compliance Schedule Agreements, or Implementation Plans, as appropriate. New or revised requirements to the “List of DOE Directives Uniquely Applicable to RPL Operations” will be incorporated into this agreement as negotiated with DOE.
- RPL Facility Use Agreement, as approved and amended by Battelle.

RPL Environmental Basis

State, Federal, or Local government environmental permits or licenses obtained in the name of DOE, Pacific Northwest National Laboratory, or Battelle that include provisions applicable to the RPL facility and/or activities. Environmental permits are obtained in accordance with the Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act, and other applicable requirements.

A. Dangerous Waste Permit

- Dangerous Waste Portion of the Hanford Site Resource Conservation and Recovery Act Permit No. WA7890008967, and any approved modifications. Note: The Dangerous Waste Permit Application for the RPL is included in Part III of the above document, Operating Unit 5, 325 Hazardous Waste Treatment Units.
- Hazardous and Solid Waste Amendment portion of the Hanford Site Resource Conservation and Recovery Act Permit No. WA7890008967, and any approved modifications.

B. Radioactive Air Emissions

- Hanford Site Air Operating Permit, State of Washington, Department of Ecology Permit No. 00-05-006, Renewal 1 effective January 1, 2007, includes requirements by the State of Washington, Department of Ecology, the State of Washington, Department of Health, and the Benton Clean Air Authority.
- State of Washington, Department of Health, Hanford Site Radioactive Air Emissions Federal License, FF-01, AOP 2006 Renewal 1, signed December 19, 2006.
- State of Washington, Department of Health, Notice of Construction ID #687, AIR 06-1042, approved October 5, 2006, Conducting General Laboratory Processes Research Activities in the 325 Building.
- ALARACT demonstration for efficiency testing of "primary" HEPA filters located in high radiation areas of the RPL Laboratory, August 7, 2001.

C. State of Washington Water Discharges

- State of Washington, Department of Ecology, State Waste Discharge Permit ST-4511, Categorical Miscellaneous Streams on the Hanford Site, effective date February 16, 2005.
- Pollution Prevention and Best Management Practices Plan (P2BMP) for the State Waste Discharge Permit ST-4511.

D. Chemical Air Emissions

- State of Washington, Department of Ecology, Hazardous Waste Treatment Unit, Order Citation No. DE 98NWP-004, for Discharge No. EP-325-01-S, Condition Approval date September 1, 1998.
- Hanford Site Air Operating Permit, State of Washington Department of Ecology Permit No. 00-05-006, Renewal 1 effective January 1, 2007, includes requirements by the State of Washington, Department of Ecology, the State of Washington, Department of Health, and the Benton Clean Air Authority.

5. Terms and Conditions

The RPL facility and activities are subject to the terms and conditions as identified in Battelle's Prime Contract, including Section C – "Description/Specifications/Statement of Work" and Section H – "Special Contract Requirements." The Contractor Requirements Documents listed in Attachment A of this Authorization Agreement may be modified in accordance with Battelle's prime Contract, DE-AC05-76RL01830, Section H, clause H-18, "Application of DOE Contractor Requirements Documents." The following RPL-specific activities are required by Battelle's Prime Contract:

- Implement and maintain the RPL Nuclear Safety Basis consistent with the facility configuration (hardware, procedures, and organization) through an approved Unreviewed Safety Question process compliant with the requirements of 10 CFR 830.203, "Unreviewed Safety Question Process", for the nuclear safety basis documents listed in this AA.
- Follow all applicable Federal, State, and Local statutes, regulations, rules and ordinances (collectively, "Laws"), and permit conditions, unless the appropriate oversight authority grants a waiver or exemption.
- Implement and maintain an approved Quality Assurance program consistent with 10 CFR 830, Subpart A, "Quality Assurance Requirements."
- Implement and maintain an approved Radiation Protection program consistent with 10 CFR 835, "Occupational Radiation Protection."
- Implement and maintain an approved Occupational Safety and Health program consistent with 10 CFR 851, "Worker Safety and Health Program."

New or revised terms and conditions will be incorporated into this agreement as negotiated between Battelle and DOE. Battelle will evaluate new or revised terms and conditions as part of the Requirements Management process to identify any impacts to this agreement. Authorized deviations for RPL will be documented by Battelle and approved by DOE through a modification to this agreement, Exemption Requests, Compliance Schedule Agreements, or Implementation Plans, as appropriate.

If Battelle discovers a deviation or noncompliance with the documents listed or referenced by Section 4 of this AA, Battelle will take the actions noted in the applicable document(s). This AA does not impose any new actions to be taken by Battelle.

6. Contractor Qualifications

DOE has determined through the performance of management assessments, the validation of Battelle's Integrated Environment, Safety, and Health Management System, and performance of readiness reviews and programmatic reviews that Battelle is technically qualified to engage in the activities authorized by this agreement and provides adequate protection of the workforce, the public, and the environment.

7. Effective Date and Expiration Date

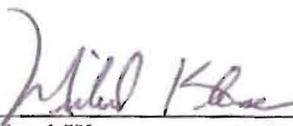
This AA becomes effective upon the date of signature by both parties and will remain in effect until rescinded or revised in writing by both parties, or shall expire upon expiration or termination of Contract DE-AC05-76RL01830.

This AA supersedes all prior RPL AAs, as amended, and all such prior AAs are specifically rescinded by mutual agreement.

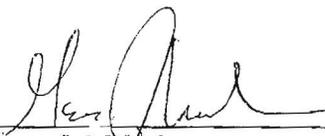
8. Statement of Agreement

This agreement is subject to the conditions specified herein, and DOE and Battelle each agree to the conditions herein. The terms of this AA, if breached in any manner by any party shall not subject the breaching party to any liabilities, fines, or penalties not already imposed under the terms and conditions of Battelle's Prime Contract and current statutes, rules, and regulations and ordinances.

Signed By:



Michael Kluse
Interim Director
Pacific Northwest National Laboratory



George J. Malosh,
Deputy Director for Field Operations
U.S. Department of Energy

Date: Jan 8, 2008

Date: 10/24/07

Attachment A
List of DOE Directives Uniquely Applicable to RPL Operations

CRD O 425.1C	Startup and Restart of Nuclear Facilities	Facility Management
CRD O 433.1A	Maintenance Management Program for DOE Nuclear Facilities	Facility Management
CRD O 460.1B	Packaging and Transportation Safety	Environmental
CRD M 460.2-1	Radioactive Material Transportation Practices Manual	Environmental
CRD O 460.2A	Departmental Materials Transportation and Packaging Management	Environmental
CRD O 5480.19, Chg. 2	Conduct of Operations Requirements for DOE Facilities	Facility Management
CRD O 5480.20A, Chg. 1	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities	Training and Qualification