

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3
2. AMENDMENT/MODIFICATION NO. 0476	3. EFFECTIVE DATE 01/11/2016	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) CH2M HILL PLATEAU REMEDIATION COMPANY Attn: Kala Dickerson 2420 Stevens Drive RICHLAND WA 99352-1659		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE 805603128			9B. DATED (SEE ITEM 11)
FACILITY CODE		x	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-08RL14788
			10B. DATED (SEE ITEM 13) 06/19/2008

**11. THIS ITEM ONLY 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)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED 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.
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Clause I 102 FAR 52.243-2 Changes - Cost Reimbursement

**E. IMPORTANT:** Contractor  is not.  is required to sign this document and return 1 copies to the issuing office.

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

A. This modification incorporates DOE-0336, Rev 2A, Hanford Site Lockout/Tagout Procedure.

Contract changes are detailed on page 2 and 3 of this modification.

Period of Performance: 06/19/2008 to 09/30/2018

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) J. Jeff Short
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer)	16C. DATE SIGNED 01/14/2016

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3
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	D. OTHER (Specify type of modification and authority)
X	Clause I 102 FAR 52.243-2 Changes - Cost Reimbursement

**E. IMPORTANT:** Contractor  is not.  is required to sign this document and return 1 copies to the issuing office.

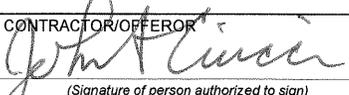
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Contract changes are detailed on page 2 and 3 of this modification.

Period of Performance: 06/19/2008 to 09/30/2018

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) John A. Ciucci, President and CEO, CHPRC	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) J. Jeff Short
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 1/14/16
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of Contracting Officer)	

**SF30 BLOCK 14 CONTINUATION:**

B. The purpose of this modification is to incorporate DOE-0336, Rev 2A, Hanford Site Lockout/Tagout Procedure into Attachment J.2, Requirements Sources and Implementing Documents. Redline pages B-7, B-8 and Attachment J.2 are provided with this modification reflecting this change.

C. DOE-0336 is incorporated at the following costs:

Cost:	\$ 106,726
<u>Fee:</u>	<u>\$ 5,336</u>
Total:	\$ 112,062

D. The above cost (\$106,726) and fee (\$5,336) are added to the contract. The fee of \$5,336 is authorized for draw down upon execution of this contract modification as a fixed fee settlement. Section B, Table B.4-1 is updated as follows:

- a. CLIN 1, Estimated Contract Cost: FY 2016 is increased from \$150,359,625 to \$150,466,351, and the Total Option Period is increased from \$749,594,614 to \$749,701,340.
- b. Total Option Period, Estimated Contract Cost: FY 2016 is increased from \$486,086,728 to \$486,193,454, and the Total Option Period is increased from \$2,145,286,569 to \$2,145,393,295.
- c. Total Option Period, Available Fee: FY 2016 is increased from \$15,083,007 to \$15,088,343, and the Total Option Period is increased from \$64,733,665 to \$64,739,001.
- d. Total Option Period, Contract Price: FY 2016 is increased from \$501,169,735 to \$501,281,797, and the Total Option Period is increased from \$2,210,020,234 to \$2,210,132,296.
- e. Total: Transition, Base & Option Periods, Total Contract Cost is increased from \$5,536,824,376 to \$5,536,931,102.
- f. Total: Transition, Base & Option Periods, Total Available Fee is increased from \$233,245,465 to \$233,250,801.
- g. Total: Transition, Base & Option Periods, Total Contract Price is increased from \$5,770,069,841 to \$5,770,181,903.

E. Section B, Table B.4-2 is updated as follows:

- a. All CLINS Total: Base & Option Period and Deferred Work, Total Estimated Cost is increased from \$6,825,160,901 to \$6,825,267,627.
- b. All CLINS Total: Base & Option Period and Deferred Work, Total Estimated Fee is increased from \$278,464,304 to \$278,469,640.

- c. All CLINS Total: Base & Option Period and Deferred Work, Total Contract Value is increased from \$7,103,625,205 to \$7,103,737,267.
  
- F. A redline/strikeout and replacement contract page B-7 (Table B.4-1), B-8 (Table B.4-2), and Attachment J.2 reflecting the above revisions are attached. Note that the starting values for the revisions to Table B.4-1 and Table B.4-2 are taken from Modification 474.
  
- G. This modification does not obligate additional funds or fee to the contract. Accordingly, work under the contract, such as that described herein, must be performed within the amount of funds which have been incrementally allotted to the contract in accordance with Clause I.81 - FAR 52.232-22 - Limitation of Funds (Apr 1984).
  
- H. Contractor Statement of Release: In consideration of the modification agreed to herein as complete equitable adjustment for the changes identified above, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

There are no other changes to the terms and conditions of the contract.

End of Modification no. 476.

Table B.4-1, Contract Cost and Contract Fee							
Contract Period	Element	FY 2008					
Transition Period	Estimated Contract Cost	\$3,307,735					
Base Period		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total Base Period
CLIN 1	Estimated Contract Cost	\$242,344,131	\$167,820,630	\$172,538,760	\$140,743,022	\$146,203,833	\$869,650,376
CLIN 2	Estimated Contract Cost	\$75,639,289	\$51,935,923	\$31,526,503	\$87,716,985	\$86,759,625	\$333,578,325
CLIN 3	Estimated Contract Cost	\$90,486,838	\$87,952,596	\$96,959,782	\$82,824,087	\$57,083,962	\$415,307,265
CLIN 4	Estimated Contract Cost	\$0	\$0	\$0	\$0	\$0	\$0
CLIN 5	Estimated Contract Cost	\$80,109,775	\$86,402,202	\$115,507,898	\$108,104,103	\$57,254,138	\$447,378,116
Total Base Period	Estimated Contract Cost	\$488,580,033	\$394,111,351	\$416,532,943	\$419,388,197	\$347,301,558	\$2,065,914,082
	Available Fee	\$22,875,910	\$19,412,118	\$17,852,099	\$18,134,034	\$17,766,524	\$96,040,685
	Contract Price	\$511,455,943	\$413,523,469	\$434,385,042	\$437,522,231	\$365,068,082	\$2,161,954,767
CLIN 6	Estimated Contract Cost	\$161,538,277	\$565,905,959	\$585,571,864	\$9,299,890	\$0	\$1,322,315,990
Total Recovery Act	Estimated Contract Cost	\$161,538,277	\$565,905,959	\$585,571,864	\$9,299,890	\$0	\$1,322,315,990
	Available Fee	\$3,771,414	\$15,852,276	\$52,847,425	\$0	\$0	\$72,471,115
	Contract Price	\$165,309,691	\$581,758,235	\$638,419,289	\$9,299,890	\$0	\$1,394,787,105
Total Base Period including Recovery Act	Estimated Contract Cost	\$650,118,310	\$960,017,310	\$1,002,104,807	\$428,688,087	\$347,301,558	\$3,388,230,072
	Available Fee	\$26,647,324	\$35,264,394	\$70,699,524	\$18,134,034	\$17,766,524	\$168,511,800
	Contract Price	\$676,765,634	\$995,281,704	\$1,072,804,331	\$446,822,121	\$365,068,082	\$3,556,741,872
Option Period		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total Option Period
CLIN 1	Estimated Contract Cost	\$146,705,527	\$148,671,904	<del>\$150,359,625</del> <u>\$150,466,351</u>	\$149,383,527	\$154,474,031	<del>\$749,594,614</del> <u>\$749,701,340</u>
CLIN 2	Estimated Contract Cost	\$109,801,964	\$130,054,531	\$99,154,194	\$9,629,033	\$0	\$348,639,722
CLIN 3	Estimated Contract Cost	\$73,890,207	\$111,005,186	\$117,244,822	\$117,560,025	\$99,234,610	\$518,934,850
CLIN 4	Estimated Contract Cost	\$0	\$1,831,613	\$17,571,071	\$35,312,341	\$36,216,690	\$90,931,715
CLIN 5	Estimated Contract Cost	\$60,521,824	\$91,246,383	\$101,757,016	\$91,457,896	\$92,202,549	\$437,185,668
Total Option Period	Estimated Contract Cost	\$390,919,522	\$482,809,617	<del>\$486,086,728</del> <u>\$486,193,454</u>	\$403,342,822	\$382,127,880	<del>\$2,145,286,569</del> <u>\$2,145,393,295</u>
	Available Fee	\$13,315,000	\$12,524,475	<del>\$15,083,007</del> <u>\$15,088,343</u>	\$11,700,000	\$12,111,183	<del>\$64,733,665</del> <u>\$64,739,001</u>
	Contract Price	\$404,234,522	\$495,334,092	<del>\$501,169,735</del> <u>\$501,281,797</u>	\$415,042,822	\$394,239,063	<del>\$2,210,020,234</del> <u>\$2,210,132,296</u>
Total: Transition, Base & Option Periods	Total Contract Cost	<del>\$5,536,824,376</del> <u>\$5,536,931,102</u>					
	Total Available Fee	<del>\$233,245,465</del> <u>\$233,250,801</u>					
	Total Contract Price	<del>\$5,770,069,841</del> <u>\$5,770,181,903</u>					

Table B.4-2, Deferred Work		
CLIN 7  Total: Base & Option Periods	Total Contract Cost	\$1,288,336,525
	Total Available Fee	\$45,218,839
	Total Contract Price	\$1,333,555,364

TOTAL ESTIMATED VALUE		
All CLINs  Total: Base & Option Period and Deferred Work	Total Estimated Cost	<del>\$6,825,160,901</del> \$6,825,267,627
	Total Estimated Fee	<del>\$278,464,304</del> \$278,469,640
	Total Contract Value	<del>\$7,103,625,205</del> \$7,103,737,267

## B.5 CHANGES TO CONTRACT COST AND CONTRACT FEE

### (a) Funding.

- (1) DOE intends to obligate funding to the Contract in accordance with the *Contract Price* shown by fiscal year in Table B.4-1, *Contract Cost and Contract Fee*. The Contractor shall not be entitled to an equitable adjustment to *Available Fee* if the obligated funding by fiscal year is within 10% of the amount shown in Table B.4-1.
- (2) If DOE does not obligate funding within the parameters detailed in paragraph (a)(1) above, the Contracting Officer may initiate a change or consider a request for an equitable adjustment to the *Contract Price*, and/or Schedule in accordance with the Section I Clause entitled, *FAR 52.243-2, Changes – Cost Reimbursement, Alternates II, III, and IV*.

### (b) Performance Risk.

- (1) Changes to *Total Available Fee* will accurately reflect the corresponding changes to the Contract with respect to performance risk as determined by DEAR 915.404-4-70, *DOE Structured Profit and Fee System*, and implementation by the profit-analysis factors defined in FAR 15.404-4, *Profit*. Accordingly, changes to the Contract resulting in an increase or decrease to the Contractor's performance risk as defined in FAR 15.404-4(d)(1), shall cause a proportionate increase or decrease to the *Total Available Fee*.
- (2) If performance risk changes, the Contracting Officer may initiate a change or consider a request for equitable adjustment to *Contract Price* and/or Schedule in accordance with the Section I Clause entitled, *FAR 52.243-2, Changes – Cost Reimbursement, Alternates II, III, and IV*.

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**ATTACHMENT J.2**

**REQUIREMENTS SOURCES AND IMPLEMENTING DOCUMENTS**

The following lists are provided in accordance with the Section I Clause entitled, *DEAR 970.5204-2, Laws, Regulations, and DOE Directives*.

*LIST A: APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS*

Table J.2.1 Code of Federal Regulations (CFR)

<b>Document Number</b>	<b>Title</b>
10 CFR 63	Disposal of High-Level Radioactive Wastes in a Geologic Repository at Yucca Mountain, Nevada
10 CFR 71	Packaging And Transportation Of Radioactive Material
10 CFR 73	Physical Protection Of Plants And Materials
10 CFR 436	Federal Energy Management And Planning Programs
10 CFR 707	Workplace Substance Abuse Programs At DOE Sites
10 CFR 708	DOE Contractor Employee Protection Program
10 CFR 710	Criteria And Procedures For Determining Eligibility For Access To Classified Matter Or Special Nuclear Material
10 CFR 712	Human Reliability Program
10 CFR 719	Contractor Legal Management Requirements
10 CFR 820	Procedural Rules For DOE Nuclear Activities
10 CFR 830	Nuclear Safety Management (including DOE-STD-3009 CN-3, DOE-STD-1186, and DOE-STD-1189)
10 CFR 824	Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations
10 CFR 835	Occupational Radiation Protection
10 CFR 850	Chronic Beryllium Disease Prevention Program
10 CFR 851	Worker Safety and Health Program
10 CFR 1021	National Environmental Policy Act Implementing Procedures
10 CFR 1022	Compliance with Floodplain and Wetland Environmental Review Requirements
29 CFR 1904	Recording And Reporting Occupational Injuries And Illnesses
29 CFR 1910	Occupational Safety And Health Standards
29 CFR 1926	Safety And Health Regulations For Construction
36 CFR 60	National Register of Historic Places
36 CFR 79	Curation of Federally Owned and Administered Archeological Collections
36 CFR 800	Protection of Historic Properties
36 CFR 1220	Federal Records, General
36 CFR 1222	Creation And Maintenance Of Federal Records
36 CFR 1228	Disposition Of Federal Records
36 CFR 1232	Audiovisual Records Management
36 CFR 1234	Electronic Records Management
36 CFR 1236	Management of Vital Records

Document Number	Title
40 CFR 60.150	Standards Of Performance For New Stationary Sources
40 CFR 61	National Emission Standards for Hazardous Air Pollutants
40 CFR 82	Protection of Stratospheric Ozone
40 CFR 122	EPA Administered Permit Programs: The National Pollutant Discharge Elimination System
40 CFR 194.22	Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance With the 40 CFR Part 191 Disposal Regulations, Quality Assurance
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Standards Applicable To Generators Of Hazardous Waste
40 CFR 264	Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, And Disposal Facilities
40 CFR 265	Interim Status Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, And Disposal Facilities
40 CFR 268	Land Disposal Restrictions
40 CFR 300-372	Comprehensive Environmental Response, Compensation, and Liability Act
40 CFR 302	Designation, Reportable Quantities, and Notification
40 CFR 355	Emergency Planning And Notification
40 CFR 370	Hazardous Chemical Reporting: Community Right-To-Know
40 CFR 372	Toxic Chemical Release Reporting: Community Right-To-Know
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions
40 CFR 763	Asbestos
41 CFR 101	Federal Property Management Regulations
41 CFR 102	Federal Management Regulations
49 CFR 40	Procedures For Transportation Workplace Drug Testing Programs
49 CFR 130	Oil Spill Prevention and Response Plans
49 CFR 107	Hazardous Materials Program Procedures
49 CFR 171	General Information, Regulations, and Definitions
49 CFR 172	Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information and Training Requirements
49 CFR 173	Shippers -- General Requirements for Shipments and Packagings
49 CFR 174	Carriage By Rail
49 CFR 177	Carriage by Public Highway.
49 CFR 178	Specifications For Packagings
49 CFR 179	Specifications For Tank Cars
49 CFR 180	Continuing Qualification And Maintenance Of Packagings
49 CFR 383	Commercial Driver's License Standards, Requirements and Penalties
49 CFR 385	Safety Fitness Procedures
49 CFR 387	Minimum Levels Of Financial Responsibility For Motor Carriers
49 CFR 390	Federal Motor Carrier Safety Regulations: General
49 CFR 391	Qualifications of Drivers
49 CFR 392	Driving of Commercial Motor Vehicles

Document Number	Title
49 CFR 393	Parts and Accessories Necessary for Safe Operations
49 CFR 395	Hours Of Service Of Drivers
49 CFR 396	Inspection, Repair and Maintenance
49 CFR 397	Transportation of Hazardous Materials, Driving and Parking Rules

Table J.2.2 U.S. Code (USC)

Document Number	Title
5 USC Chapter 57	Travel, Transportation, and Subsistence
5 USC 552	Public Information; Agency Rules, Opinions, Orders, Records, and Proceedings
5 USC 552A	Records Maintained on Individuals
16 USC 470	Archeological Resources Protection Act
17 USC 506	Copyright Infringement and Remedies, Criminal Offences
18 USC 1913	Lobbying with Appropriated Moneys
18 USC 2319	Stolen Property, Criminal Infringement of a Copyright
25 USC 3001	Native American Grave Protection and Repatriation Act
33 USC 1251-1376	Clean Water Act
42 USC 2011-2259	Atomic Energy Act of 1954, as amended
42 USC 6962	Resource Conservation And Recovery Act (RCRA) Of 1976
42 USC 7256(c)	Leasing of Excess Department of Energy Property / Hall Amendment to National Defense Authorization Act of 1994
42 USC 7401	Clean Air Act
42 USC 13101	Findings & Policy
42 USC 13106	Source Reduction & Recycling Data Collection
42 USC 15801	Energy Policy Act of 2005
43 USC 1701	Federal Land Policy And Management Act Of 1976
44 USC 3101	Records Management by Agency Heads; General Duties
44 USC 3103	Transfer Of Records To Records Center
44 USC 3105	Safeguards
44 USC 3309	Preservations of Claims of Government Until Settled in General Accounting Office; Disposal Authorized Upon Written Approval of Comptroller General
44 USC 3312	Photographs or Microphotographs of Records Considered as Originals; Certified Reproductions Admissible in Evidence
44 USC 3506	Federal Agency Responsibilities

Table J.2.3 Executive Orders

Document Number	Title
Executive Order 11514	Protection and Enhancement of Environmental Quality
Executive Order 11988	Floodplain Management
Executive Order 11990	Protection of Wetlands
Executive Order 12088	Federal Compliance with Pollution Control Standards
Executive Order 12580	Superfund Implementation

Document Number	Title
Executive Order 12856	Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements
Executive Order 12898	Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations
Executive Order 13007	Indian Sacred Sites
Executive Order 13016	Amendment to Executive Order 12580
Executive Order 13045	Protection of Children from Environmental Health Risks and Safety Risks
Executive Order 13112	Invasive Species
Executive Order 13186	Responsibilities of Federal Agencies to Protection Migratory Birds
Executive Order 13212	Actions to Expedite Energy-Related Projects
Executive Order 13221	Energy Efficient Standby Power Devices
Executive Order 13327	Federal Real Property Asset Management
Executive order 13423	Strengthening Federal Environmental, Energy, and Transportation Management
Executive order 13514	Federal Leadership in Environmental, Energy, and Economic Performance

Table J.2.4 Office of Management and Budget Circulars (OMB)

Document Number	Title
OMB Circular A-130	Management of Federal Information Resources

Table J.2.5 Washington Administrative Code (WAC)

Document Number	Title
WAC 46-48	Transportation Of Hazardous Materials
WAC 173-200	Water Quality Standards for Ground Waters of the State of Washington
WAC 173-216	State Waste Discharge Permit Program
WAC 173-218	Underground Injection Control Program
WAC 173-240	Submission of Plans and Reports for Construction of Wastewater Facilities
WAC 173-303	Dangerous Waste Regulations
WAC 173-304	Minimum Function Standards for Solid Waste Handling
WAC 173-340	Model Toxics Control Act -- Cleanup
WAC 173-360	Underground Storage Tank Regulations
WAC 173-400	General Regulations For Air Pollution Sources
WAC 173-401	Operating Permit Regulation
WAC 173-460	Controls for New Sources of Toxic Air Pollutants
WAC 173-480	Ambient Air Quality Standards and Emission Limits for Radionuclide
WAC 197-11	SEPA Rules
WAC 246-247	Radiation Protection -- Air Emissions
WAC 246-272	On-Site Sewage Systems
WAC 246-273	On-Site Sewage System Additives
WAC 246-290	Public Water Supplies
WAC 246-291	Group B Public Water Systems
WAC 246-292	Water Works Operator Certification Regulations

Document Number	Title
WAC 296-17	Washington Workers' Compensation Insurance
WAC 296- 65	Asbestos Removal and Encapsulation
WAC 446-65	WAC Commercial Motor Vehicle Regulations
WAC 470-12	Transporting Rules

Table J.2.6 Permits

Document Number	Title
AOP 00-05-006	Hanford Site Air Operating Permit
ST-4500	State Waste Discharge Permit to State-Approved Land Disposal Site (SALDS)
WA780008967	Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit

Table J.2.7 Local Laws and Regulations

Document Number	Title
BCAA Regulation	County Air Pollution Control Authority

LIST B: APPLICABLE DOE DIRECTIVES

Table J.2.8 Directives, Regulations, Policies, and Standards

Document Number	Title
CRD O 130.1	Budget Formulation
CRD M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board
CRD O 142.2A	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
CRD M 142.2-1 (Supp Rev 0)	Manual for Implementation of the 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 144.1	Department of Energy American Indian Tribal Government Interactions and Policy
CRD O 150.1 (Supp Rev 1)	Continuity Programs
CRD O 151.1C	Comprehensive Emergency Management System
CRD O 153.1	Departmental Radiological Emergency Response Assets
CRD O 200.1A	Information Management Program
CRD O 205.1B Chg. 2 (Supp Rev 1)	DOE Cyber Security Program
CRD O 206.2	Identity, Credential, and Access Management (ICAM)
CRD N 206.5	Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information
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 the Inspector General
CRD O 225.1B (Supp Rev 0)	Accident Investigations
CRD O 226.1B	Implementation of Department of Energy Oversight Policy
CRD O 227.1 (Supp Rev 0)	Independent Oversight Program
CRD O 231.1B	Environment, Safety, and Health Reporting
CRD O 232.2 (Supp Rev 0)	Occurrence Reporting and Processing of Operations Information
CRD O 241.1B	Scientific and Technical Information Management
CRD O 243.1B (Supp Rev 0)	Records Management Program
CRD O 252.1A	Technical Standards Program
CRD O 350.1, Chg 4	Contractor Human Resource Management Program
CRD O 410.2	Management of Nuclear Materials
CRD O 413.1A	Management Control Program
CRD O 413.3B	Program and Project Management for the Acquisition of Capital Assets
CRD O 414.1D	Quality Assurance
CRD O 415.1	Information Technology Project Management

Document Number	Title
CRD O 420.1C (Supp Rev 0)	Facility Safety
CRD O 422.1 (Supp Rev 0)	Conduct of Operations
CRD O 425.1D (Supp Rev 0)	Verification of Readiness to Start Up or Restart Nuclear Facilities
CRD O 426.2 (Supp Rev 1)	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
CRD O 430.1B Chg 1 (Supp Rev 0)	Real Property Asset Management
CRD O 433.1B (Supp Rev1)	Maintenance Management Program for DOE Nuclear Facilities
CRD O 435.1, Chg 1 (Supp Rev 0)	Radioactive Waste Management
DOE M 435.1-1 Chg 1	Radioactive Waste Management Manual
CRD O 436.1 (Supp Rev 0)	Departmental Sustainability
CRD O 440.2B, Chg 1 (Supp Rev 0)	Aviation Management and Safety
CRD O 442.1A (Supp Rev 3)	Department Of Energy Employee Concerns Program
CRD O 442.2	Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health
CRD O 452.8	Control of Nuclear Weapon Data
CRD O 458.1 Chg 2	Radiation Protection of the Public and the Environment
CRD O 460.1C	Packaging and Transportation Safety
CRD O 460.2A (Supp Rev 2)	Departmental Materials Transportation and Packaging Management
CRD M 460.2-1A	Radioactive Material Transportation Practices Manual
CRD O 461.1B	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest
CRD O 461.2	Onsite Packaging and Transfer of Materials of National Security Interest
CRD O 462.1	Import and Export of Radioactive Sources
DOE O 470.3B	Graded Security Protection (GSP) Policy
CRD O 470.4B, Chg 1 (Supp Rev 0)	Safeguards and Security Program
CRD M 470.4-6, Chg 1 (Supp Rev 0)	Nuclear Material Control and Accountability
CRD O 471.1B	Identification and Protection of Unclassified Controlled Nuclear Information
CRD O 471.3 (Supp Rev 1)	Identifying and Protecting Official Use Only Information
CRD M 471.3-1	Manual for Identifying and Protecting Official Use Only Information
CRD O 471.6	Information Security
CRD O 472.2, Chg. 1	Personnel Security
CRD O 473.3 (Supp Rev 0)	Protection Program Operations

Document Number	Title
CRD O 475.2A	Identifying Classified Information
CRD O 522.1	Pricing of Departmental Materials & Services
CRD O 534.1B	Accounting
CRD O 551.1D	Official Foreign Travel
CRD O 580.1A	Department of Energy Personal Property Management Program
DOE-0223	RL Emergency Implementing Procedures
DOE/RL-2001-0036, REV. 1E	Hanford Sitewide Transportation Safety Document
DOE/RL-2002-12, Rev 1	Hanford Radiological Health and Safety Document
DOE/RL-2008-17	Gable Mountain and Gable Butte Management Plan
DOE/RL-89-10	Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement)
DOE/RL-94-02, Rev 6	Hanford Emergency Management Plan
DOE/RL-96-68, Rev 4	Hanford Analytical Services Quality Assurance Requirements Document
DOE/RL-09-89, Rev 0	Transportation Hazards Survey and Emergency Planning Hazards Assessment
RRD 005, Rev 3	Worker Safety
RRD 007	Chronic Beryllium Disease Prevention Program
RRD 008, Rev 3	Quality Assurance Program Requirements
SCSP, July 5, 2005	Richland Regional Office Site Counterintelligence Support Plan, Hanford Site CI Support Plan (SCSP)
DOE/CBFO-94-1012	DOE Carlsbad Field Office, Quality Assurance Program Description, Revision 8
DOE/RW-0333P	DOE Office of Civilian Radioactive Waste Management, Quality Assurance Requirements and Description, Revision 18
DOE/RW-0351	Waste Acceptance System Requirements Document, Revision 5, ICN 1
DOE/RW-0511	Integrated Interface Control Document, Revision 4, ICN 1
EM Policy Letter, July 10, 2006	Policies for Environmental Management Operating project Performance Baselines, contingency and Federal Risk Management Plans, and Configuration Control
EM Policy Memorandum, July 28, 2014	Environmental Management Policy on Implementation of REAL ID
<u>DOE-0336, Rev 2A</u>	<u>Hanford Site Lockout/Tagout Procedure</u>

**ATTACHMENT J.2**

**REQUIREMENTS SOURCES AND IMPLEMENTING DOCUMENTS**

The following lists are provided in accordance with the Section I Clause entitled, *DEAR 970.5204-2, Laws, Regulations, and DOE Directives*.

*LIST A: APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS*

Table J.2.1 Code of Federal Regulations (CFR)

<b>Document Number</b>	<b>Title</b>
10 CFR 63	Disposal of High-Level Radioactive Wastes in a Geologic Repository at Yucca Mountain, Nevada
10 CFR 71	Packaging And Transportation Of Radioactive Material
10 CFR 73	Physical Protection Of Plants And Materials
10 CFR 436	Federal Energy Management And Planning Programs
10 CFR 707	Workplace Substance Abuse Programs At DOE Sites
10 CFR 708	DOE Contractor Employee Protection Program
10 CFR 710	Criteria And Procedures For Determining Eligibility For Access To Classified Matter Or Special Nuclear Material
10 CFR 712	Human Reliability Program
10 CFR 719	Contractor Legal Management Requirements
10 CFR 820	Procedural Rules For DOE Nuclear Activities
10 CFR 830	Nuclear Safety Management (including DOE-STD-3009 CN-3, DOE-STD-1186, and DOE-STD-1189)
10 CFR 824	Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations
10 CFR 835	Occupational Radiation Protection
10 CFR 850	Chronic Beryllium Disease Prevention Program
10 CFR 851	Worker Safety and Health Program
10 CFR 1021	National Environmental Policy Act Implementing Procedures
10 CFR 1022	Compliance with Floodplain and Wetland Environmental Review Requirements
29 CFR 1904	Recording And Reporting Occupational Injuries And Illnesses
29 CFR 1910	Occupational Safety And Health Standards
29 CFR 1926	Safety And Health Regulations For Construction
36 CFR 60	National Register of Historic Places
36 CFR 79	Curation of Federally Owned and Administered Archeological Collections
36 CFR 800	Protection of Historic Properties
36 CFR 1220	Federal Records, General
36 CFR 1222	Creation And Maintenance Of Federal Records
36 CFR 1228	Disposition Of Federal Records
36 CFR 1232	Audiovisual Records Management
36 CFR 1234	Electronic Records Management
36 CFR 1236	Management of Vital Records

Document Number	Title
40 CFR 60.150	Standards Of Performance For New Stationary Sources
40 CFR 61	National Emission Standards for Hazardous Air Pollutants
40 CFR 82	Protection of Stratospheric Ozone
40 CFR 122	EPA Administered Permit Programs: The National Pollutant Discharge Elimination System
40 CFR 194.22	Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance With the 40 CFR Part 191 Disposal Regulations, Quality Assurance
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Standards Applicable To Generators Of Hazardous Waste
40 CFR 264	Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, And Disposal Facilities
40 CFR 265	Interim Status Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, And Disposal Facilities
40 CFR 268	Land Disposal Restrictions
40 CFR 300-372	Comprehensive Environmental Response, Compensation, and Liability Act
40 CFR 302	Designation, Reportable Quantities, and Notification
40 CFR 355	Emergency Planning And Notification
40 CFR 370	Hazardous Chemical Reporting: Community Right-To-Know
40 CFR 372	Toxic Chemical Release Reporting: Community Right-To-Know
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions
40 CFR 763	Asbestos
41 CFR 101	Federal Property Management Regulations
41 CFR 102	Federal Management Regulations
49 CFR 40	Procedures For Transportation Workplace Drug Testing Programs
49 CFR 130	Oil Spill Prevention and Response Plans
49 CFR 107	Hazardous Materials Program Procedures
49 CFR 171	General Information, Regulations, and Definitions
49 CFR 172	Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information and Training Requirements
49 CFR 173	Shippers -- General Requirements for Shipments and Packagings
49 CFR 174	Carriage By Rail
49 CFR 177	Carriage by Public Highway.
49 CFR 178	Specifications For Packagings
49 CFR 179	Specifications For Tank Cars
49 CFR 180	Continuing Qualification And Maintenance Of Packagings
49 CFR 383	Commercial Driver's License Standards, Requirements and Penalties
49 CFR 385	Safety Fitness Procedures
49 CFR 387	Minimum Levels Of Financial Responsibility For Motor Carriers
49 CFR 390	Federal Motor Carrier Safety Regulations: General
49 CFR 391	Qualifications of Drivers
49 CFR 392	Driving of Commercial Motor Vehicles

Document Number	Title
49 CFR 393	Parts and Accessories Necessary for Safe Operations
49 CFR 395	Hours Of Service Of Drivers
49 CFR 396	Inspection, Repair and Maintenance
49 CFR 397	Transportation of Hazardous Materials, Driving and Parking Rules

Table J.2.2 U.S. Code (USC)

Document Number	Title
5 USC Chapter 57	Travel, Transportation, and Subsistence
5 USC 552	Public Information; Agency Rules, Opinions, Orders, Records, and Proceedings
5 USC 552A	Records Maintained on Individuals
16 USC 470	Archeological Resources Protection Act
17 USC 506	Copyright Infringement and Remedies, Criminal Offences
18 USC 1913	Lobbying with Appropriated Moneys
18 USC 2319	Stolen Property, Criminal Infringement of a Copyright
25 USC 3001	Native American Grave Protection and Repatriation Act
33 USC 1251-1376	Clean Water Act
42 USC 2011-2259	Atomic Energy Act of 1954, as amended
42 USC 6962	Resource Conservation And Recovery Act (RCRA) Of 1976
42 USC 7256(c)	Leasing of Excess Department of Energy Property / Hall Amendment to National Defense Authorization Act of 1994
42 USC 7401	Clean Air Act
42 USC 13101	Findings & Policy
42 USC 13106	Source Reduction & Recycling Data Collection
42 USC 15801	Energy Policy Act of 2005
43 USC 1701	Federal Land Policy And Management Act Of 1976
44 USC 3101	Records Management by Agency Heads; General Duties
44 USC 3103	Transfer Of Records To Records Center
44 USC 3105	Safeguards
44 USC 3309	Preservations of Claims of Government Until Settled in General Accounting Office; Disposal Authorized Upon Written Approval of Comptroller General
44 USC 3312	Photographs or Microphotographs of Records Considered as Originals; Certified Reproductions Admissible in Evidence
44 USC 3506	Federal Agency Responsibilities

Table J.2.3 Executive Orders

Document Number	Title
Executive Order 11514	Protection and Enhancement of Environmental Quality
Executive Order 11988	Floodplain Management
Executive Order 11990	Protection of Wetlands
Executive Order 12088	Federal Compliance with Pollution Control Standards
Executive Order 12580	Superfund Implementation

Document Number	Title
Executive Order 12856	Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements
Executive Order 12898	Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations
Executive Order 13007	Indian Sacred Sites
Executive Order 13016	Amendment to Executive Order 12580
Executive Order 13045	Protection of Children from Environmental Health Risks and Safety Risks
Executive Order 13112	Invasive Species
Executive Order 13186	Responsibilities of Federal Agencies to Protection Migratory Birds
Executive Order 13212	Actions to Expedite Energy-Related Projects
Executive Order 13221	Energy Efficient Standby Power Devices
Executive Order 13327	Federal Real Property Asset Management
Executive order 13423	Strengthening Federal Environmental, Energy, and Transportation Management
Executive order 13514	Federal Leadership in Environmental, Energy, and Economic Performance

Table J.2.4 Office of Management and Budget Circulars (OMB)

Document Number	Title
OMB Circular A-130	Management of Federal Information Resources

Table J.2.5 Washington Administrative Code (WAC)

Document Number	Title
WAC 46-48	Transportation Of Hazardous Materials
WAC 173-200	Water Quality Standards for Ground Waters of the State of Washington
WAC 173-216	State Waste Discharge Permit Program
WAC 173-218	Underground Injection Control Program
WAC 173-240	Submission of Plans and Reports for Construction of Wastewater Facilities
WAC 173-303	Dangerous Waste Regulations
WAC 173-304	Minimum Function Standards for Solid Waste Handling
WAC 173-340	Model Toxics Control Act -- Cleanup
WAC 173-360	Underground Storage Tank Regulations
WAC 173-400	General Regulations For Air Pollution Sources
WAC 173-401	Operating Permit Regulation
WAC 173-460	Controls for New Sources of Toxic Air Pollutants
WAC 173-480	Ambient Air Quality Standards and Emission Limits for Radionuclide
WAC 197-11	SEPA Rules
WAC 246-247	Radiation Protection -- Air Emissions
WAC 246-272	On-Site Sewage Systems
WAC 246-273	On-Site Sewage System Additives
WAC 246-290	Public Water Supplies
WAC 246-291	Group B Public Water Systems
WAC 246-292	Water Works Operator Certification Regulations

<b>Document Number</b>	<b>Title</b>
WAC 296-17	Washington Workers' Compensation Insurance
WAC 296- 65	Asbestos Removal and Encapsulation
WAC 446-65	WAC Commercial Motor Vehicle Regulations
WAC 470-12	Transporting Rules

Table J.2.6 Permits

<b>Document Number</b>	<b>Title</b>
AOP 00-05-006	Hanford Site Air Operating Permit
ST-4500	State Waste Discharge Permit to State-Approved Land Disposal Site (SALDS)
WA780008967	Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit

Table J.2.7 Local Laws and Regulations

<b>Document Number</b>	<b>Title</b>
BCAA Regulation	County Air Pollution Control Authority

**LIST B: APPLICABLE DOE DIRECTIVES**

Table J.2.8 Directives, Regulations, Policies, and Standards

Document Number	Title
CRD O 130.1	Budget Formulation
CRD M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board
CRD O 142.2A	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
CRD M 142.2-1 (Supp Rev 0)	Manual for Implementation of the 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 144.1	Department of Energy American Indian Tribal Government Interactions and Policy
CRD O 150.1 (Supp Rev 1)	Continuity Programs
CRD O 151.1C	Comprehensive Emergency Management System
CRD O 153.1	Departmental Radiological Emergency Response Assets
CRD O 200.1A	Information Management Program
CRD O 205.1B Chg. 2 (Supp Rev 1)	DOE Cyber Security Program
CRD O 206.2	Identity, Credential, and Access Management (ICAM)
CRD N 206.5	Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information
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 the Inspector General
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CRD O 226.1B	Implementation of Department of Energy Oversight Policy
CRD O 227.1 (Supp Rev 0)	Independent Oversight Program
CRD O 231.1B	Environment, Safety, and Health Reporting
CRD O 232.2 (Supp Rev 0)	Occurrence Reporting and Processing of Operations Information
CRD O 241.1B	Scientific and Technical Information Management
CRD O 243.1B (Supp Rev 0)	Records Management Program
CRD O 252.1A	Technical Standards Program
CRD O 350.1, Chg 4	Contractor Human Resource Management Program
CRD O 410.2	Management of Nuclear Materials
CRD O 413.1A	Management Control Program
CRD O 413.3B	Program and Project Management for the Acquisition of Capital Assets
CRD O 414.1D	Quality Assurance
CRD O 415.1	Information Technology Project Management

Document Number	Title
CRD O 420.1C (Supp Rev 0)	Facility Safety
CRD O 422.1 (Supp Rev 0)	Conduct of Operations
CRD O 425.1D (Supp Rev 0)	Verification of Readiness to Start Up or Restart Nuclear Facilities
CRD O 426.2 (Supp Rev 1)	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
CRD O 430.1B Chg 1 (Supp Rev 0)	Real Property Asset Management
CRD O 433.1B (Supp Rev1)	Maintenance Management Program for DOE Nuclear Facilities
CRD O 435.1, Chg 1 (Supp Rev 0)	Radioactive Waste Management
DOE M 435.1-1 Chg 1	Radioactive Waste Management Manual
CRD O 436.1 (Supp Rev 0)	Departmental Sustainability
CRD O 440.2B, Chg 1 (Supp Rev 0)	Aviation Management and Safety
CRD O 442.1A (Supp Rev 3)	Department Of Energy Employee Concerns Program
CRD O 442.2	Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health
CRD O 452.8	Control of Nuclear Weapon Data
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CRD O 460.2A (Supp Rev 2)	Departmental Materials Transportation and Packaging Management
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CRD O 461.2	Onsite Packaging and Transfer of Materials of National Security Interest
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CRD O 470.4B, Chg 1 (Supp Rev 0)	Safeguards and Security Program
CRD M 470.4-6, Chg 1 (Supp Rev 0)	Nuclear Material Control and Accountability
CRD O 471.1B	Identification and Protection of Unclassified Controlled Nuclear Information
CRD O 471.3 (Supp Rev 1)	Identifying and Protecting Official Use Only Information
CRD M 471.3-1	Manual for Identifying and Protecting Official Use Only Information
CRD O 471.6	Information Security
CRD O 472.2, Chg. 1	Personnel Security
CRD O 473.3 (Supp Rev 0)	Protection Program Operations

Document Number	Title
CRD O 475.2A	Identifying Classified Information
CRD O 522.1	Pricing of Departmental Materials & Services
CRD O 534.1B	Accounting
CRD O 551.1D	Official Foreign Travel
CRD O 580.1A	Department of Energy Personal Property Management Program
DOE-0223	RL Emergency Implementing Procedures
DOE/RL-2001-0036, REV. 1E	Hanford Sitewide Transportation Safety Document
DOE/RL-2002-12, Rev 1	Hanford Radiological Health and Safety Document
DOE/RL-2008-17	Gable Mountain and Gable Butte Management Plan
DOE/RL-89-10	Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement)
DOE/RL-94-02, Rev 6	Hanford Emergency Management Plan
DOE/RL-96-68, Rev 4	Hanford Analytical Services Quality Assurance Requirements Document
DOE/RL-09-89, Rev 0	Transportation Hazards Survey and Emergency Planning Hazards Assessment
RRD 005, Rev 3	Worker Safety
RRD 007	Chronic Beryllium Disease Prevention Program
RRD 008, Rev 3	Quality Assurance Program Requirements
SCSP, July 5, 2005	Richland Regional Office Site Counterintelligence Support Plan, Hanford Site CI Support Plan (SCSP)
DOE/CBFO-94-1012	DOE Carlsbad Field Office, Quality Assurance Program Description, Revision 8
DOE/RW-0333P	DOE Office of Civilian Radioactive Waste Management, Quality Assurance Requirements and Description, Revision 18
DOE/RW-0351	Waste Acceptance System Requirements Document, Revision 5, ICN 1
DOE/RW-0511	Integrated Interface Control Document, Revision 4, ICN 1
EM Policy Letter, July 10, 2006	Policies for Environmental Management Operating project Performance Baselines, contingency and Federal Risk Management Plans, and Configuration Control
EM Policy Memorandum, July 28, 2014	Environmental Management Policy on Implementation of REAL ID
DOE-0336, Rev 2A	Hanford Site Lockout/Tagout Procedure