

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 1
2. AMENDMENT/MODIFICATION NO. 0308	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue Idaho Falls ID 83415	CODE 00701	7. ADMINISTERED BY (If other than Item 6) Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue MS 1221 Idaho Falls ID 83415	CODE 00701
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) CH2M WG IDAHO LLC Attn: Erin S. Bogнар 151 NORTH RIDGE AVENUE SUITE 150 IDAHO FALLS ID 834024039		(X) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 166527569 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC07-05ID14516	
		10B. DATED (SEE ITEM 13) 03/23/2005	

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)

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.81 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alt I (APR 1984)

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.)

Tax ID Number: 05-0607601

DUNS Number: 166527569

Refer to the Continuation Pages incorporated as part of this modification.

Payment:

OR for Idaho

U.S. Department of Energy

Oak Ridge Financial Service Center

P.O. Box 4368

Oak Ridge TN 37831

Period of Performance: 03/23/2005 to 09/30/2015

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) ERIN S. BOGNAR, CWI - CFO		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Maria M. Mitchell-Williams	
15B. CONTRACTOR/OFFEROR <i>Erin S. Bogнар</i> (Signature of person authorized to sign)	16C. DATE SIGNED 8/4/2015	16B. UNITED STATES OF AMERICA <i>M. Williams</i> (Signature of Contracting Officer)	16D. DATE SIGNED 8/4/2015

This modification definitizes work scope under Section B.16 Extension Items Not Included in Target Cost. This modification also includes administrative changes that are detailed below.

CLIN-C Target Cost and Target Fee:

There are no changes made to the Target Cost or Target Fee in this modification. Section B.14 and B.15 presented below show the balance carried over from the previous Changes mod (mod 304). This is section is shown only to maintain continuity.

1. B.14 EXTENSION - TOTAL CONTRACT TARGET COST, FEE, AND COMPLETION DATE remains unchanged under this modification

The target cost remains unchanged at \$512,355,289.

The target fee remains unchanged at \$37,709,351.

2. B.15 EXTENSION INCENTIVE FEE remains unchanged under this modification.

Cost Incentive

Target Cost: \$512,355,289

Target Fee: \$37,709,351 (7.36% of target cost)

Maximum Fee: \$ 76,853,293 (Maximum Fee must not exceed 15% of target cost)

Minimum Fee: \$0.00

Fee Calculation: The fee payable under this contract shall be the target fee increased by thirty (30) cents for every dollar that the total allowable cost is less than the target cost or decreased by thirty (30) cents for every dollar that the total allowable cost exceeds the target cost as specified in FAR 52.216-10 and subject to the maximum fee limitation above for work performed under Section C.8. If there is a fee reduction as a result of failure to meet identified milestones in CLIN A (Refer to B.15(a) above), it will be accomplished by fee reduction in this CLIN C.

3. B.16 EXTENSION – ITEMS NOT INCLUDED IN TARGET COST is modified as follows:

Activity (h.7) Request for Review of Internal Guidance is incorporated as follows:

This scope of work includes reviewing Idaho Site-Wide Solid Waste Tracking and Reporting and assess the potential impact of compliance with the implementation on contract cost and funding, technical performance, schedule, and identify any potential inconsistencies between the implementation and other terms and conditions of the contract.

The total estimated amount is \$10,000 (fully burdened). Fee is \$618 and is included in this amount.

Activity (i.8) Project Evaluation Plan (PEP) is incorporated as follows:

The scope of work is to develop a Project Execution Plan (PEP) that establishes the means to execute, monitor, and control the CPP-603 Large Cask Adaptation project as defined by RPT-1380 – Conceptual Design Report for the CPP-603 Large Cask Adaption Project.

The total estimated cost is \$62,159 (fully burdened) and fixed fee is \$4,098.

Activity (r) FSV OPC Work is incorporated as follows:

During the design phase, SNL will develop the design in four stages. In association with this project, CWI is directed to support DOE-ID during the design review process. Within this scope, support will include four activities and deliverables.

Activity 1 - CWI will execute preparations essential to review of the four design stages (conceptual, 45%, 85%, and 100% design). While this preparation will be a permanent accrual of knowledge and capability that can be applied to all four design reviews, the effort will be principally devoted to the first review, the conceptual design review. Upon completion of that review, CWI will produce a conceptual design review report for approval by DOE.

Deliverable 1: Draft Conceptual Design Review Report; due: within ten working days of the review closeout.

Activity 2 - Separate, but integral to the design process, will be review of the Acceptance Test Plan (ATP). This SNL deliverable is expected in June. CWI will prepare for and execute the review of the ATP and produce an ATP review report for approval by DOE.

Deliverable 2: Draft ATP Review Report; due: within ten working days of the review closeout.

Activity 3 - CWI will prepare a draft memorandum of agreement (MOA) specifying the roles and responsibilities to be observed by DOE-ID and CWI in managing this project through the review process.

Deliverable 3: Draft MOA; due: May 12, 2015 (subject to adjustment based upon activity 2).

Activity 4 - CWI will prepare a detailed cost estimate and schedule for the complete review process.

Deliverable 4: Cost estimate and schedule; due: May 12, 2015 (subject to adjustment based upon activities 2 and 3).

The total estimated cost for FY15 is \$186,687 (fully burdened) and the fixed fee is \$12,307

Activity (s) ARP IX is incorporated as follows:

The scope of work is to procure, deliver, and store the enclosure structure for ARP IX.

The total estimated cost for FY15 is \$2,719,427 (fully burdened) and the fixed fee is \$179,274.

Activity (v) MFC 799 and MFC 770C is incorporated as follows:

MFC-770C Demolition:

Demolish MFC-770C including; regulatory compliance, engineering design, work order development, interior cleanout, utility isolations/reroutes and building removal/disposal.

MFC-799 Demolition Preparations and Demolition:

Facilitate the preparation of MFC-799 for demolition including; engineering design, work order development, interior cleanout and utility isolations/reroutes. Perform building demolition and the final grading of the site.

The scope work for this item shall be completed by September 30, 2015 without compromising safety. CWI shall also notify and cooperate with BEA regularly to minimize the impacts caused to either contractor. In addition to the items above, CWI shall remove and properly dispose of any hazardous waste.

The total estimated cost for FY15 is \$680,791 (fully burdened) and the fixed fee is \$44,880.

Activity (v) Task 1 - MFC 799 and MFC 770C Proposal Costs is incorporated as follows:

This scope of work includes preparing a cost and schedule estimate for demolition ready preparation work and complete demolition of MFC-799, and demolition of MFC-770C.

The total estimated amount is \$5,000 (fully burdened). Fee is \$309 and is included in this amount.

4. ADMINISTRATIVE CHANGES

Section J - Attachment B - List B Directives - DOE O 151.1c is modified as follows:

“Since the INL site is comprised of multiple facilities, the facility-specific requirement for annual exercises will be implemented on a site-wide basis. One site-wide exercise will be conducted annually with a specific facility identified and rotated such that each facility will be the initiating facility ~~once every six years~~ once annually. Operational circumstances will be used to determine the initiating facility.”

Section J – Attachment F - Key Personnel is modified as follows:

Key Personnel removed:

Kevin Daniels – ESH&Q Director.

Key personnel added:

David Hutchinson – ESH&Q Vice President

5. **CONTRACTOR'S STATEMENT OF RELEASE:** In consideration of the modification agreed to herein as a complete equitable adjustment for the directed change to incorporate the requirements under section B.16 - Extension – Items Not Included in Target Cost, including Activity (h.7) Request for Review of Internal Guidance, Activity (i.8) Project Evaluation Plan (PEP), Activity (r) FSV OPC Work, Activity (s) ARP IX, Activity (v) MFC 799 and MFC 770C, Activity (v.1) MFC 799 and MFC 770C proposal costs, and in accordance with contract Section I.81 52.243-2 Changes—Cost Reimbursement Alt I, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment. The negotiated estimated cost of the B.16 activities is \$3,663,137, and fixed fee is \$241,486.

LIST OF APPLICABLE DOE DIRECTIVES (LIST B)

The DOE directives listed in the table below contain requirements relevant to the scope of work under this contract. In most cases, the requirements applicable to the contractor are contained in a Contractor Requirements Document (CRD) attached to the DOE directive. The contractor is encouraged to continuously evaluate the work scope and contract requirements for opportunities to improve efficiency or creativity and propose alternative methods to those specified in the DOE directives.

Directive No.	Directive Title
DOE O 130.1	Budget Formulation Process
DOE M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board
DOE O 144.1 Admin Chg 1	Department of Energy American Indian Tribal Government Interactions and Policy
DOE O 150.1	Continuity Programs

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Directive No.	Directive Title
<p>DOE O 151.1C</p> <div data-bbox="383 842 529 940" style="border: 1px solid black; padding: 2px; width: fit-content;"> Mod 308 8/4/15 </div> <div data-bbox="412 1171 550 1262" style="border: 1px solid black; padding: 2px; width: fit-content;"> Mod 281 8/18/14 </div>	<p>Comprehensive Emergency Management System</p> <p>Clarification for DOE O 151.1C <i>Building evacuation exercises at the Idaho National Laboratory (INL) are defined as evacuation drills. The term exercise implies having specific objectives and full documentation (e.g., a scenario package that includes objectives, scope, timelines, injects, controller instructions, and evaluation criteria). Drills have specific objectives and documentation but are not formally evaluated using the demonstration criteria and points of review. Drills provide supervised, “hands-on” training and are documented informally.</i></p> <p><i>Since the INL site is comprised of multiple facilities, the facility-specific requirement for annual exercises will be implemented on a site-wide basis. One site-wide exercise will be conducted annually with a specific facility identified and rotated such that each facility will be the initiating facility once every six years <u>once annually</u>. Operational circumstances will be used to determine the initiating facility.</i></p> <p><i>The facility-specific requirement that all facilities must prepare an Emergency Public Information Plan and that the same plan can cover multiple facilities will be interpreted as including a site-wide plan and implemented on that basis.</i></p> <p><i>This modification incorporates Office of Health, Safety and Security (HSS) Operating Experience (OE) Bulletin (Level 1) OE-1:2013-01. The OE Bulletin has two required actions: 1) Evaluation of Emergency management Programs, and 2) Evaluation of Beyond Design Basis Accidents at facilities with the potential for an unmitigated accident release of greater 25 rem to the public.</i></p> <p><i>The target cost is increased by \$188,628 and the target fee is increased by \$13,883. This is direct cost only.</i></p> <p><i>The remainder of DOE O 151.1C remains unchanged.</i></p>
<p>DOE O 153.1</p> <div data-bbox="396 1633 540 1703" style="border: 1px solid black; padding: 2px; width: fit-content;"> Mod 304 </div>	<p>Departmental Radiological Emergency Response Assets</p> <p><i>This DOE order is being modified to remove all sections from the CRD except for requirement #12 which reads: “In the event of an off-site radiological accident involving a nuclear National Security Area to safeguard classified information, Restricted Data, equipment, and material.”</i></p>
<p>DOE O 200.1A</p>	<p>Information Technology Management</p>

DOE O 205.1B	Department of Energy Cyber Security Management Program
DOE O 206.1	Department of Energy Privacy Program
DOE N 206.4	Personal Identity Verification
DOE O 210.2A	DOE Corporate Operating Experience Program

Directive No.	Directive Title
DOE O 221.1A	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A	Cooperation with the Office of Inspector General
DOE O 225.1B	Accident Investigations Cancelled by DOE O 225.1B
DOE O 226.1B	Implementation of Department of Energy Oversight Policy
DOE O 227.1	Independent Oversight Program
DOE O 231.1B	Environmental, Safety, and Health Reporting (New Order)
	Occurrence Reporting and Processing of Operations Information
	<i>DOE Delegation Order No. 10 CFR 72.512.1, dated October 31, 1996, and signed by the Secretary of Energy, delegated authority to the Manager, DOE Idaho Operations Office, to act on behalf of the Secretary of Energy for licenses issued by the Nuclear Regulatory Commission (NRC) for the Three Mile Island Interim Storage System (NRC Docket #72-20) and Fort St. Vrain Independent Spent Fuel Storage Installation (NRC Docket #72-9) under 10 CFR Part 72. DOE Delegation Order No. 10 CFR 72.512.1 states, “The Nuclear Regulatory Commission is recognized as the legal regulatory authority with respect to the possession and management of materials under the subject licenses. Therefore in instances where Department of Energy orders, requirements, and/or guidelines overlap or duplicate requirements of the Nuclear Regulatory Commission related to radiation protection, nuclear safety (including quality assurance), and safeguards and security of nuclear material(s), the Nuclear Regulatory Commission requirements will apply to the design, construction, operations, and decommissioning of these Nuclear Regulatory Commission licensed facilities and activities. Department of Energy orders, regulations, and/or guidelines will apply where the Nuclear Regulatory Commission defers to the Department of Energy or does not exercise regulatory authority.”</i>
DOE O 232.2	<i>NRC reporting criteria and requirements codified in 10 CFR 20 and 10 CFR 72, will be used in place of similar DOE O 232.2 criteria as applicable.</i>
DOE O 243.1A	Records Management Program
DOE O 243.2	Vital Records
DOE O 350.1 Chg 3	Contractor Human Resource Management Programs
DOE O 410.2	Management of Nuclear Materials
DOE O 413.1B	Management Control Program
DOE O 413.3B	Program and Project Management for the Acquisition of Capital Assets

Directive No.	Directive Title
DOE O 414.1D	Quality Assurance
	Facility Safety
DOE O 420.1B Chg 1	<p>Clarification for DOE O 420.1B <i>DOE Order 420.1B, Facility Safety, requires compliance with ANSI standards that have been replaced by updated versions. CWI is released from compliance with the outdated versions of the required ANSI standards. It is agreed that compliance will be the most current version of the required ANSI standards cited.</i></p>
DOE O 422.1	Conduct of Operations
DOE O 425.1D	Verification of Readiness to Startup or Restart Nuclear Facilities
DOE O 426.2	Personnel Selection, Training, Qualification and Certification Requirements for DOE Nuclear Facilities (New)
DOE O 430.1B Chg 2	Real Property Asset Management
DOE O 433.1B	Maintenance Management Program for DOE Nuclear Facilities
DOE O 435.1 Chg 1	<p>Radioactive Waste Management Radioactive Waste Management Manual</p>
DOE M 435.1-1Chg 2	<p><i>Exemption has been granted for requirements specific to the Calcined Solids Storage Facilities (CSSFs) located at the Idaho Nuclear Technology and Engineering Center (INTEC) including the requirements specific to Contingency Storage and Transfer Equipment.</i></p>
DOE M 435.1-1Chg 2	<p><i>Exemption has been granted for CWI to use a non-DOE facility to treat and dispose of low-level waste (LLW) and mixed low-level waste (MLLW) in support of cleanup commitments specified in the Idaho Cleanup Project Contract DE-AC07-05ID14516, Section C.1.8.3 and C.8.2.2.3.</i></p>
DOE O 436.1	Departmental Sustainability
DOE M 440.1-1A	DOE Explosives Safety Manual
DOE O 440.2B Chg 1	Aviation Management and Safety
DOE M 441.1-1	Nuclear Material Packaging Manual
DOE O 442.1A	Department of Energy Employee Concerns Program
DOE O 442.2	<p>Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health Technical Concerns</p>
DOE O 452.8	Control of Nuclear Weapon Data
DOE O 458.1 Chg 2	Radiation Protection of the Public and the Environment

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Directive No.	Directive Title
DOE O 460.1C	Packaging and Transportation Safety
DOE M 460.2-1A	Radioactive Material Transportation Practices Manual
DOE O 460.2A	Departmental Materials Transportation and Packaging Management
DOE O 470.3B	Graded Security Protection (GSP) Policy
DOE O 470.4B	Safeguards and Security Program
DOE M 470.4-6	Nuclear Material Control and Accountability
DOE O 471.3 Chg 1	Identifying and Protecting Official Use Only Information
DOE M 471.3-1Chg 1	Manual for Identifying and Protecting Official Use Only Information
DOE O 471.6	Information Security
DOE O 472.2	Personnel Security
DOE O 473.3	Protection Program Operations
DOE O 475.1	Counterintelligence Program
DOE O 475.2A	Identifying Classified Information Cancelled by DOE O 475.2A
Mod 304 DOE O 522.1	Pricing of Departmental Materials and Services
DOE O 534.1B	Accounting
DOE O 551.1D	Official Foreign Travel cancelled by DOE O 551.1D
DOE M 552.1-1A	Department of Energy Travel Manual
DOE O 580.1A	Department of Energy Personal Property Management Program
DOE O 5670.1A	Management and Control of Foreign Intelligence

LIST OF KEY PERSONNEL

<u>Title</u>	<u>Name</u>
Project Manager	Thomas J. Dieter
ESH&Q (ISMS Program) Director	Kevin W. Daniels
<u>ESH&Q Vice President</u>	<u>David Hutchinson</u>
INTEC Area Manager	James P. Floerke
IWTU Manager	William E. Lloyd, Jr.
RWMC Area Manager	Maurice E. Brown