

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1

2. AMENDMENT/MODIFICATION NO.

3. EFFECTIVE DATE

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. (If applicable)

221

See Block 16C

6. ISSUED BY

CODE

05008

7. ADMINISTERED BY (If other than Item 6)

CODE

05008

NNSA/Oakridge Site Office
U.S. Department of Energy
NNSA/Y-12 Site Office
P.O. Box 2050

NNSA/Oakridge Site Office
U.S. Department of Energy
NNSA/Y-12 Site Office
P.O. Box 2050

Oak Ridge TN 37831

Oak Ridge TN 37831

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

BABCOCK & WILCOX TECHNICAL SERVICES Y-12, LLC
Attn: WILLIE J. WILSON
PO BOX 2009
602 SCARBORO RD., N1.149/MS 8004
OAK RIDGE TN 378318004

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
DE-AC05-00OR22800

10B. DATED (SEE ITEM 13)

08/31/2000

CODE 141952312

FACILITY CODE

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) P.L. 95-91; American Recovery and Reinvestment Act

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.)

The purpose of this modification is to clarify page 4 and revise the scope for Beta-4 and the Biology Complex under Section J, Attachment G--Work Authorization Directive (WAD) for the American Recovery and Reinvestment Act.
See Page 2.

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

15A. NAME AND TITLE OF SIGNER (Type or print)

SCOTT W. BAKER SUP

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Jill Y. Albaugh

15B. CONTRACTOR/OFFEROR

SW Baker
(Signature of person authorized to sign)

15C. DATE SIGNED

9-30-10

16B. UNITED STATES OF AMERICA

Jill Y. Albaugh
(Signature of Contracting Officer)

16C. DATE SIGNED

9/30/2010

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

1. Page 4 of the Work Authorization Directive is modified to reflect the value of the BCP. Baseline Values and Authorization Values are the same.

1. Funding and Definitization

The funds authorized for this Work Authorization Directive are subject to the following:

Baseline Value: **\$216,046,000.00 (May 7, 2009 to September 30, 2011)**

\$ 3,204,000.00 (BCP to the Old Salvage Yard)

\$ 26,117,824.00 (August 2010 to September 30, 2011)

Total Baseline Value \$245,367,824.00

Authorization Value: \$245,367,824.00

Limitation of Cost: \$184,025,868.00

Pursuant to the clause B.04 and H.19, entitled "Work Authorization System," total funds in the amount of \$245,367,824.00 are authorized for the performance of this WAD and made available for payment of allowable costs and fee earned related only to the Recovery Act work from May 1, 2009 through September 30,2011. The contractor is approved to incur costs up to the Limitation of Cost amount of the Authorization Value of the WAD. Included in the baseline of the \$245,367,824,000.00; the following fee has been negotiated on the original **\$216,046,000.00**: 2009 will have a 4% award fee; while 2010 and 2011 will have a 6% award fee with Performance Based Incentives that will be addressed in an ARRA Performance Evaluation Plan. A new project for the Y-12 Remediation is added as of August 2010 with a definitized baseline of \$26,117,824.00. Revision 7 to this modification also reflects a BCP that added \$3,204,000.00 to the Old Salvage Yard Project for sampling. Clarification and definition of the Remediation task will be administered through the baseline proposal process.

2. The changes to the scope for the Beta 4 and Biology Complex D&D are also highlighted as follows and replace earlier versions.

Beta-4 Legacy Material Disposition Project

Background

Beta-4 is a 313,771 gross square feet facility that was constructed in 1944–45 housing Calutrons for uranium enrichment. Other past operations in the facility include production of Lithium-6 using the electroexchange separation process (ELEX) and other weapon fabrication support operations. Depleted Uranium, Highly Enriched Uranium and thorium are considered the main radiological contaminants. The primary hazards include lead, polychlorinated biphenyls (PCB)s, Freon, oils, mold, mildew, and asbestos. Other contaminants of concern include the potential for beryllium and mercury contamination on the surfaces and structural components in the facility.

Scope

This scope of work for the Beta-4 (Building 9204-4) Legacy Material Disposition Project is to complete removal and disposition of legacy materials from the entire second floor of Building 9204-4 (Beta-4) in preparation for eventual deactivation and demolition (D&D) under the Integrated Facility Disposition Program (IFDP). The contractor shall furnish all labor, equipment, materials, and supplies necessary to complete the scope of work in a safe, compliant and efficient manner. All work shall be in accordance with applicable federal, state, and local regulations, codes and standards, DOE Orders, and Environment, Safety and Health (ES&H) requirements.

Legacy materials/waste will be further characterized if necessary, treated if required, and prepared/packaged for shipment to the EMWMF, ORR Landfills, or shipped to other appropriate, permitted disposal location(s). Legacy materials include items such as, but not limited to: non-process equipment, containers, tools and miscellaneous contaminated office equipment. Legacy materials are defined as easily removable items that involve minimal reconfiguration efforts, e.g. unbolting, unplugging, wire cutting, or cold cutting. Legacy materials that have been determined to be either radiologically or chemically contaminated and are waste, may require segregation, size reduction, compaction, and treatment as necessary to meet waste acceptance criteria (WAC)s.

The project will be performed in accordance with the requirements of the Federal Facility Agreement for the Oak Ridge Reservation and an Action Memorandum for addressing demolition of Y-12 site facilities.

A Waste Handling Plan (WHP) including a Sampling and Analysis Plan (SAP) will be prepared (Alpha-5 and Beta-4). In addition, characterization, preparation of waste profiles, sorting/segregation, and size reduction prior to transportation to approved disposal sites are included in this work scope. Waste profiles, for waste to be disposed at the Environmental Management Waste Management Facility (EMWMF), will be developed and submitted to the EMWMF WAC Attainment Team for approval prior to waste disposal. Scope also includes coordination of waste shipments with the DOE contractor for EMWMF and Landfill operations, including input to the contractor's Waste Generation Forecast. Some waste may be shipped to an approved off-site facility for treatment and/or disposal. This project scope includes preparation of a Removal Action Report (RmAR) for regulatory approval (Alpha-5 and Beta-4 legacy material disposition).

Project reporting will be performed in accordance with the requirements of the American Recovery and Reinvestment Act (ARRA) of 2009. Project Performance shall be reported using an ANSI/EIA-748-A-1998 certified Earned Value Management System.

Section A: <u>Contractor Recovery Act Schedule or Milestone Requirements</u>	
Complete project performance baseline, including Waste Generation Forecast, schedule for obtaining approval for EMWMF shipments	5/31/09
Mobilize radcon and industrial hygiene teams to initiated health and safety characterization	6/2009
Initiate legacy material removal	6/2009
Complete first shipment of waste for disposal	6/2009
Complete Waste Handling Plans for legacy material disposition	9/2009*
Complete removal of legacy material from the high bay and office areas on the 2nd floor	6/2010
Complete removal of legacy material from the Production Storage and Work Area on the 2nd floor	3/2011
Complete Legacy Material Disposition for the second floor of Beta-4	9/2011
Complete Legacy Material Disposition from remainder of Beta-4	TBD
Section B: <u>Contractor Recovery Act Performance Outcomes and Measures</u>	
Complete Legacy Material Disposition for Beta-4 according to schedule.	
Section C: <u>Contractor Recovery Act Deliverables</u>	
Legacy Material Disposition for Beta-4.	

Biology Complex D&D (Buildings 9211, 9220, 9224, And 9769)

Background

The Biology Complex Support Facilities are located in the northeast portion of the Y-12 Site outside of the Property Protection Area. As part of this project, the following facilities in the Biology Complex will be demolished: 9211, 9220, 9224, and 9769. These facilities have a combined total of approximately 136,000ft². With the exception of 9211 and 9220, the Biology complex is “cold and dark” i.e. and all service utilities are deactivated and air gapped in shutdown status pending deactivation and demolition (D&D). These facilities are currently classified as Standard Industrial. The primary chemical hazards include lead, polychlorinated biphenyls (PCB)s, Freon, oils, perchloric acid, and asbestos. Some facilities are known to have fixed radiological contamination areas inside the facilities. The scope of work for this project includes asbestos abatement, equipment removal as appropriate, deactivation of remaining utilities, and D&D of the facilities to grade level.

The 9211 Bldg. is a 4-story facility measuring approximately 83,500 ft² and contains an incinerator on the 4th story. Potential primary chemical hazards include lead, PCBs, Freon, oils, perchloric acid, and asbestos. Limited radiological contamination is present. There is the potential for RCRA contamination from incineration operations. It is assumed that there is no legacy waste in the facility, but due to structural and mold/mildew hazards, the facility has not been entered for several years to validate this assumption.

The 9220 Building, BD Virus Control Laboratory, is a one story concrete block facility with approximately 22,200 ft². Built in 1967, it has been used as a biological research facility. It is shutdown pending D&D and has fixed contamination signage at the entry doors. The primary chemical hazards identified include lead, mercury, PCBs, and asbestos.

Building 9224 is a small biological research facility, is approximately 10,100 ft², and has similar characteristics as Building 9220. The 9769 Complex is located within the property protection area of the Y-12 Site. It is situated along the southern edge of Bear Creek Road just west of the east Bear Creek security portal. The 9769 Complex comprises approximately 20,100 ft². The facility was originally constructed in 1945 and operated until the mid 1950's as a uranium furnace/incinerator for the recovery of uranium. The building has three floors with a portion of the second floor being constructed in the high bay area in 1961 to make the second floor a complete floor. The process equipment was removed in the late 1950's and the second floor mezzanine was constructed in 1961. The facility was used as animal receiving and holding facility from 1960 until 1985 in support of the ORNL animal research during which time the facility added a north annex and completed a third floor lab conversion. From 1985 until 1998 the facility underwent renovations to convert the facility into an analytical laboratory and offices. It operated until 2002, when it became “cold and dark.” The only remaining active utilities are the sanitary and storm sewers. The facility is radiologically contaminated with primarily depleted uranium. The source of the contamination originated from the uranium furnace/incinerator process. Contaminants in the soot produced from operations include uranium, mercury and lead. Other chemical concerns include the potential for Be in one hood located on the second floor and two perchloric acid hoods on the second floor, Pb, and asbestos containing materials.

Scope

The scope of work for the Biology Complex Deactivation and Demolition (D&D) Project is to complete D&D of Buildings the former Y-12 Biology Complex, including disposition of all material/waste. Some structures may need to be removed to surrounding soil elevation since the building is constructed on concrete piers with a crawl space under the first floor slab. The first floor slab may become damaged during demolition, necessitating removal. As part of this scope of work the contractor shall furnish all labor, equipment, materials, and supplies necessary to complete the scope of work in a safe, compliant and efficient manner. All work shall be in accordance with applicable federal, state, and local regulations, codes and standards, DOE Orders, and Environment, Safety and Health (ES&H) requirements.

The scope of work for this project includes asbestos abatement, equipment removal, deactivation of utilities as needed, characterization, engineering design, remaining utility isolation, hazardous material abatement, waste disposition and D&D of the facilities to grade level. The structures will be removed to the first floor slab, unless the first slab design is such that it requires removal to facilitate demolition of the balance of the facility.

The project will be performed in accordance with the requirements of the Federal Facility Agreement for the Oak Ridge Reservation and applicable Action Memorandum addressing demolition of Y-12 Site facilities. A Waste Handling Plan (WHP) including a Sampling and Analysis Plan (SAP) for waste destined for disposal at the EMWMF, as well as characterization, preparation of waste profiles, sorting/segregation, and size reduction prior to transportation to an approved disposal site are included in this work scope, as needed. Waste profiles will be developed and submitted to the EMWMF WAC Attainment Team for approval prior to waste disposal at the EMWMF. Scope also includes coordination of waste shipments with the DOE contractor for Environmental Management Waste Management Facility (EMWMF) and Landfill operations, including input to the contractor's Waste Generation Forecast. This project scope includes preparation of a Removal Action Report (RmAR) for regulatory approval following completion of all project activities.

Project reporting will be performed in accordance with the requirements of the American Recovery and Reinvestment Act of 2009. Project Performance will be reported using an ANSI/EIA-748-A-1998 certified Earned Value Management System.

Section A: Contractor Recovery Act Schedule or Milestone Requirements

Complete project performance baseline, including Waste Generation Forecast, and schedule for obtaining approval for EMWMF shipments	5/31/09
Issue hazardous material abatement subcontract Request for Proposal for Biology Complex	9/2009
Initiate hazardous material abatement – Buildings 9211, 9220, 9224, and 9769	12/2009
Complete demolition of Building 9769	3/2011
Complete demolition of Buildings 9211, 9220, 9224	9/2011
Complete demolition of remaining Biology Complex buildings	TBD

Section B: Reserved

Section C: Contractor Recovery Act Deliverables

Demolition and disposition of Biology Complex buildings disposition of all waste, and stabilization of the site.