



Department of Energy

Oak Ridge Office
P.O. Box 2001
Oak Ridge, Tennessee 37831—

July 28, 2009

Mr. Michael J. Fietze, Director
Prime Contract Administration
UT-Battelle, LLC
P.O. Box 2008
Oak Ridge, TN 37831-6262

Dear Mr. Fietze:

CONTRACT NO. DE-AC05-00OR22725 - MODIFICATION NO. 232

A fully executed copy of the subject contract modification is enclosed for your retention. This modification obligates American Recovery and Reinvestment Act of 2009 funding in the amount of \$3,900,000 to the contract for a project entitled "Nuclear Physics – Enhanced Utilization of Isotope Facilities (2005230)".

If you have any questions, please contact me at 576-4523.

Sincerely,

A handwritten signature in black ink that reads "Mark A. Million".

Mark A. Million
Contracting Officer

Enclosure

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 232	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 09SC005726	5. PROJECT NO. (If applicable)
6. ISSUED BY Oak Ridge U.S. Department of Energy P.O. Box 2001 Oak Ridge TN 37831	CODE 00518	7. ADMINISTERED BY (If other than Item 6) Oak Ridge U.S. Department of Energy P.O. Box 2001 Oak Ridge TN 37831	CODE 00518
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) UT-BATTELLE, LLC Attn: Michael J. Freitze, Director Prime Contract Administration Post Office Box 2008 OAK RIDGE TN 37831-6231		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 099114287 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC05-00OR22725	
		10B. DATED (SEE ITEM 11) 10/18/1999	

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) Net Increase: \$3,900,000.00
See Page 3.

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.143, P.L. 95-91, and P.L. 111-5

E. IMPORTANT: Contractor is not, is required to sign this document and return 0 copies to the issuing office.

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

Subj to Retent: N

Recovery TAS::89 4180::TAS

See Page 3.

Note: Information reflected on Page 2 is not relevant to this modification and may not be accurate. Please disregard Page 2.

Continued ...

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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mark A. Million
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA Mark A. Million (Signature of Contracting Officer)	16C. DATE SIGNED 7/28/09

NSN 7540-01-152-8070
Previous edition unusable

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

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC05-000R22725/232

PAGE OF
2 3

NAME OF OFFEROR OR CONTRACTOR
UT-BATTELLE, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00001	FOB: Destination Period of Performance: 04/01/2000 to 03/31/2010 Change Item 00001 to read as follows (amount shown is the total amount): Recovery TAS::89 4180::TAS - MANAGEMENT AND OPERATION OF THE OAK RIDGE NATIONAL LABORATORY - Project Entitled "Nuclear Physics - Enhanced Utilization of Isotope Facilities (2005230)" Incrementally Funded Amount: \$9,152,234,917.97				

Block 12 “ACCOUNTING AND APPROPRIATIONS DATA,” continued.

Funds Obligated for Recovery Act Projects:

All required accounting and appropriations data, including the Treasury Accounting Symbol and Fund Code is hereby provided as Attachment 2 to this modification.

Block 14 “DESCRIPTION OF AMENDMENT/MODIFICATION,” continued.

- A. This modification is issued to obligate American Recovery and Reinvestment Act (Recovery Act) of 2009 funds for the project entitled “Nuclear Physics – Enhanced Utilization of Isotope Facilities (2005230)”.
- B. Accordingly, pursuant to Section I Contract Clause – DEAR 970.5232-4 entitled “Obligation of Funds,” additional funds in the amount of \$3,900,000 are hereby obligated in support of Recovery Act activities. The total amount of funds obligated under this contract since its inception is increased from \$9,539,682,839.60 to \$9,543,582,839.60.
- C. The specific Contractor Recovery Act Statement of Work, Milestones, Outcomes and Measures, and Deliverables funded by this modification are identified in the following referenced Work Authorization(s):

Work Authorization Number	Work Authorization Title
WA No. ST/OR41/9/ARRA-3 (Attachment 1)	Nuclear Physics – Enhanced Utilization of Isotope Facilities (2005230)
(Number from Block 8 of the Work Authorization)	

- D. The work described in this modification shall be performed using funds obligated under this contract, which have been appropriated under the Recovery Act of 2009, (Pub. L. 111-5), and as such, is subject to the special statutory conditions and the additional contractual terms and conditions that are listed in section E below and previous contract modifications related to the Recovery Act. The funds obligated hereunder shall only be used to accomplish the work as set forth in section C above and may not be used for any other purpose without the prior written consent of the Contracting Officer.
- E. The Contractor shall complete all Recovery Act Work funded by this modification in accordance with Recovery Act requirements, including the required completion dates specified therein, and by the completion date identified in the approved work authorization for the activity.
- F. All other terms and conditions remain unchanged.

**U.S. DEPARTMENT OF ENERGY
CONTRACT WORK AUTHORIZATION
AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009: 89-X-4180
—REVISED—**

1a. Project Title: Nuclear Physics – Enhanced Utilization of Isotope Facilities (2005230)		1b. Work Proposal Number (if applicable): Various	
2. Headquarters Program Point of Contact Name: Eugene Henry		Organization Code: SC-26	Telephone No.: (301) 903-3613
3. Headquarters Budget Point of Contact Name: Andrea Conrad		Organization Code: SC-41	Telephone No.: (301) 903-3310
4. Responsible Program: Nuclear Physics		5. Responsible Secretarial Officer: Under Secretary for Science	
6. Responsible Field Organization: Oak Ridge Office			
7a. Site and Facility Management Contractor: UT-Battelle LLC – Oak Ridge National Laboratory		7b. Contractor Point of Contact Name: Jeffrey Binder	
		Telephone No.: 865-576-3879	
8. Work Authorization Number: ST/OR41/9/ARRA-3		9. Revision Number: 01	
10. Funds Authorized (\$ in thousands). B&R Code: ST Previous: \$3,900 Change: \$0 Current: \$3,900*			
11. Performance Period Covered by Funds. From: 2/17/09 To: 09/30/10		12. Work Start Date: 06/2009	13. Expected Completion Date: 01/2012
14. Statement of Work (See attached)			
<p>This Work Authorization is issued for the sole purpose of authorizing work in support of the American Recovery and Reinvestment Act of 2009, (Pub. L. 111-5) (Recovery Act). All contract terms and conditions apply to the work identified within, in particular contract provision H.999^{so} applies. The work described in this work authorization shall be performed using funds obligated under the contract, appropriated under the Recovery Act, and as such is subject to special statutory conditions.</p> <p>The Office of Science (SC) is committed to conducting all work authorized herein, in a manner that ensures protection of the workers, the public, and the environment. Protecting the workers, the public, and the environment is a direct and individual responsibility of all SC managers and SC-supported contractors. Funds provided by NP will be applied as necessary to ensure that all NP activities are conducted safely and in an environmentally conscientious manner. Only work conducted in this way will be supported.</p> <p><u>Specific Recovery Act Statement of Work:</u></p> <p>This revision corrects the distribution of OPE and EQU funding.</p> <p>\$2,400,000 in EQU funding and \$500,000 in OPE funding is provided under ST-60-01-03 for the Remote Target Fabrication Refurbishment and the PaR Remote Handling System Replacement. These funds will enhance isotope production and processing capabilities at ORNL to enable the program to better meet the need for isotopes in short supply.</p> <p>\$1,000,000 in OPE funding is provided under ST-60-01-03 to replenish the stable isotope inventory to continue to supply research isotopes (Ba-136, Ga-69, Gd-157, Hg-202, Lu-176, Nd-150, Ni-62, V-51, W-186). Because there is no domestic supply for these isotopes needed for researchers, the origin will be from a foreign supplier.</p> <p>Attachment A, Contractor Recovery Act Performance Requirements, identifies the Contractor Recovery Act Schedule Milestones, Performance Measures, and Outcomes and Deliverables for this Work Authorization. The contractor's performance against the identified requirements in Attachment A will be evaluated under the Office of Science laboratory appraisal process.</p>			

* Includes OPE funding \$1,500,000 and EQU funding \$2,400,000.

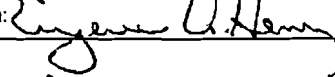
Continuation of WAS - Enhanced Utilization of Isotope Facilities (2005230)

15. Reporting Requirements (Status reports, scientific and technical information or similar):

The recipient of funding in this Work Authorization is responsible for meeting all reporting requirements established by the Department of Energy for activities funded by the American Recovery and Reinvestment Act of 2009.

16. Work Authorization Program Official.

Name (typed): Eugene A. Henry

Signature: 

Date: 7/9/09

17. DOE Field Organization Official.


Name (typed): Johnny Moore

Signature: 

Date: 7/10/09

18. Contractor's Authorized Representative *ERM 7/13/09*

Name (typed):

Signature: 

Date: 7/13/09

19. DOE Contracting Officer (or delegated representative).

Name (typed): Mark A. Million

Signature: 

Date: 7/13/09

ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS
Enhanced Utilization of Isotope Facilities (2005230)
REVISED

Section A: Contractor Recovery Act Schedule or Milestone Requirements

4Q FY09

- Stable Isotope Purchase: Issue purchase order
- Remote Target Fabrication Refurbishment: Issue Project Plan and initiate refurbishment work.

1Q FY10

- PaR Remote Handling System Replacement: Issue Project Plan

2Q FY10

- Stable Isotope Purchase: delivery of isotopes and complete verification isotopic enrichment and impurity analyses.
- Remote Target Fabrication Refurbishment: target fabrication equipment operational for use in Cf Campaign 74.
- PaR Remote Handling System Replacement: complete procurement action for long-lead time equipment.

3Q FY10

- Remote Target Fabrication Refurbishment: Install target acceptance testing equipment.

4Q FY10

- Remote Target Fabrication Refurbishment: Commission updated Target System.

2Q FY11

- PaR Remote Handling System Replacement: PaR Vendor 100% design review completed and Approved Design issued.

4Q FY12

- PaR Remote Handling System Replacement: Commission new PaR.

Section B: Contractor Recovery Act Performance Outcomes and Measures

- Complete projects within 10% of planned cost and schedule.

Section C: Contractor Recovery Act Deliverables

- Replenished inventory of research isotopes (Ba-136, Ga-69, Gd-157, Hg-202, Lu-176, Nd-150, Ni-62, V-51, W-186); Refurbished Remote Target Fabrication system; new PaR Remote Handling System.

Financial Plan Number: 1
 Contract Modification Number: 232
 Rpt Entity: OR OR3/OR4 - Oak Ridge National Lab, X-10, UT-Battelle

Fiscal Year: 2009
 Fiscal Month: 10

Financial Plan Report - Detail

Site: OR

Page 1 of 1
 Report: RFP0001

OR22725 - UT BATTELLE (RECOVERY ACT - 89X4180)

Report Generated on: July 27, 2009 at 07:57:44 AM

Rpt Entity	Fund Code	Leg FT	Program	Legacy B&R	Obj. Class	Local Use	Project	WFO	Legacy Order Number	Beginning Uncosted Obs	Previous	BA Change	Revised	Total Available
470002	02302	VQ	2720719	ST6001030	25400	0000000	2005230	0000000		0.00	0.00	1,500,000.00	1,500,000.00	1,500,000.00
<i>AY 2009 - Work Authorization ST/OR419/ARRA-3</i>														
470002	02302	VQ	2720719	ST6001030	31003	0000000	2005230	0000000		0.00	0.00	2,400,000.00	2,400,000.00	2,400,000.00
<i>AY 2009 - Work Authorization ST/OR419/ARRA-3</i>														
Total for Program Parent/Control Point: ST0000000										0.00	0.00	3,900,000.00	3,900,000.00	3,900,000.00
Total for Fund Type: VQ										0.00	0.00	3,900,000.00	3,900,000.00	3,900,000.00
Total for Recipient Code: OR										0.00	0.00	3,900,000.00	3,900,000.00	3,900,000.00
Total for Reporting Entity: 470002										0.00	0.00	3,900,000.00	3,900,000.00	3,900,000.00
Total for OR22725 - UT BATTELLE (RECOVERY ACT - 89X4180)										0.00	0.00	3,900,000.00	3,900,000.00	3,900,000.00