

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE  
PAGE OF PAGES  
1 7

2. AMENDMENT/MODIFICATION NO. 183  
3. EFFECTIVE DATE See Block 16C  
4. REQUISITION/PURCHASE REQ. NO. 10SC007878  
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 00518  
7. ADMINISTERED BY (If other than Item 6) CODE 00518  
Oak Ridge  
U.S. Department of Energy  
P.O. Box 2001  
Oak Ridge TN 37831

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  
OAK RIDGE ASSOCIATED UNIVERSITIES, INC.  
P.O. BOX 117  
OAK RIDGE TN 37830-6218  
9A. AMENDMENT OF SOLICITATION NO. (x)  
9B. DATED (SEE ITEM 11)  
10A. MODIFICATION OF CONTRACT/ORDER NO. x  
DE-AC05-06OR23100  
10B. DATED (SEE ITEM 13)  
12/21/2005  
CODE 041152224 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) Net Increase: \$3,000,000.00  
See Page 2.

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE  
X  
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.  
Clause I.72; P.L. 95-91; P.L. 111-5  
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:  
D. OTHER (Specify type of modification and authority)

**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.)  
The administrative office (administrative contracting activity) for this award/modification/amendment is 00518.  
Recovery TAS::89 0253::TAS Recovery  
See Page 2.  
FOB: Destination  
Period of Performance: 01/01/2006 to 12/31/2010

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)  
Mary L. Crow  
15B. CONTRACTOR/OFFEROR  
15C. DATE SIGNED  
16B. UNITED STATES OF AMERICA  
Signature on File  
16C. DATE SIGNED  
07/15/2010  
(Signature of person authorized to sign) (Signature of Contracting Officer)

**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 are hereby provided as Attachment 2 to this modification.

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

A. The purpose of this modification is to obligate American Recovery and Reinvestment Act (Recovery Act) of 2009 funds for the Work authorization for the project entitled “Completing national Priority List Site Boundary Definition Investigations Across the 15-PARCEL Balance of the Oak Ridge Reservation” (Project Code 2002101)” in the amount of \$3,000,000.00.

B. Accordingly, clause B.4 Obligation of Funds, paragraph (a) is revised as follows:

“Pursuant to the clause Section I, FAR 52.232-22 entitled ‘Limitation of Funds,’ total funds in the amount of \$921,435,307.13 are obligated herewith and made available for payment of allowable costs and maximum fee to be incurred from the effective date of this contract through the period estimated to end December 31, 2010.”

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   |
|---|--|
| FD/041036/36 Revision 0<br>(Attachment 1) | Completing National Priority List Site<br>Boundary Definition Investigations Across<br>Reservation |
| B&R No. FD0412000                         |  |

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, except for Clause H.40 Modification Definitization. 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  
DEFENSE**

|   |  |
|---|--|
| 1a. Project Title: <b>Completing National Priority List Site Boundary Definition Investigations Across the 15-PARCEL Balance of the Oak Ridge Reservation (Project Code 2002101)</b> <i>CMS 6-30-10</i> | 1b. Work Proposal Number (if applicable): NA |
|---|--|

2. ORO EM Program Point of Contract.

Name: L. B. McGetrick                      Organization Code: EM-90      Telephone No. 865 574 3981

3. ORO Budget Point of Contract.

Name: Jamie D. Standridge                      Organization Code: FM-72      Telephone No. 865 576 5150

|                            |   |
|----------------------------|---|
| 4. Responsible Program: EM | 5. Responsible Secretarial Officer:<br>Assistant Manager for Environmental Management |
|----------------------------|---|

6. Responsible Field Organization:  
Oak Ridge Office

|   |   |
|---|---|
| 7a. Site and Facility Management Contractor:<br><b>Oak Ridge Institute for Science and Education,<br/>Oak Ridge Associated Universities</b> | 7b. Contractor Point of Contact.<br><br>Name: S. J. Roberts      Telephone No: 865 241 8893 |
|---|---|

|   |                        |
|---|------------------------|
| 8. Work Authorization Number: FD/04010/36 | 9. Revision Number:* 0 |
|---|------------------------|

10. Funding Authorized (\$ in thousands).

|   |               |                       |                        |
|---|---------------|-----------------------|------------------------|
| Budget and Reporting Code:<br>FD0412000 | Previous: \$0 | Change:<br>+3,000,000 | Current:<br>+3,000,000 |
|---|---------------|-----------------------|------------------------|

*CMS 6-30-10*

|  |                                    |  |
|--|------------------------------------|--|
| 11. Performance Period Covered by Funds.<br><br>From: 6/1/10                      To: 11/30/2011 | 12. Work Start Date:<br><br>6/2010 | 13. Expected Completion Date:<br><br>11/2011 |
|--|------------------------------------|--|

14. Statement of Work: **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 herein, in particular contract provision H.999 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.**

**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 ORO EM to SC contractors will be applied as necessary to ensure that all supported activities are conducted safely and in an environmentally conscientious manner. Only work conducted in this manner will be supported.**

Specific Recovery Act Statement of Work:

The purpose of this investment proposal is to verify complete studies required to remove qualifying acreage from NPL Site boundary. (Note for clarification, this is not a delisting effort, but verification that parcels are uncontaminated and thus not on the NPL). The proposed scope will include the following general steps (See attached Statement of Work for additional details):

- Prepare a groundwater conceptual model for the 15 target parcels identified in Figure 1 and listed in Table 1;
- Prepare regulator-approved sampling and analysis plans and quality assurance project plans (SAP/QAPPs);
- Conduct title searches;
- Complete historical records studies;
- Conduct field investigation for target media as listed in Table 1;
- Complete risk analyses for properties within close proximity to ORNL and Y-12; and
- Report finding to support no-further-investigation (NFI) determinations, as appropriate.

15. Reporting Requirements (Status reports, scientific and technical information or similar):  
The recipient of funding in the 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):<br>L. B. McGetrick | Signature:<br><i>L. B. McGetrick</i> | Date:<br>5-19-2010 |
|----------------------------------|--------------------------------------|--------------------|

17. DOE Field Organization Official:

|  |                                    |                    |
|--|------------------------------------|--------------------|
| Name (typed): <i>LMB 5/19/10</i><br>Michele G. Branton | Signature:<br><i>M. G. Branton</i> | Date:<br>6-25-2010 |
|--|------------------------------------|--------------------|

18. Contractor's Authorized Representative.

|                                   |  |                    |
|-----------------------------------|--|--------------------|
| Name (typed):<br>Sarah J. Roberts | Signature:<br><i>Cara Templeton for S. Roberts</i> | Date:<br>6-29-2010 |
|-----------------------------------|--|--------------------|

19. DOE Contracting Officer (or delegated representative).

|                                |                                    |                    |
|--------------------------------|------------------------------------|--------------------|
| Name (typed):<br>Mary Lou Crow | Signature:<br><i>Mary Lou Crow</i> | Date:<br>6-30-2010 |
|--------------------------------|------------------------------------|--------------------|

**Section A: Contractor Recovery Act Schedule or Milestone Requirement**

| Task Name                                | Estimated Completion Date |
|--|---------------------------|
| Receive DOE Funding                      | 07/06/10                  |
| Submit SAP D0                            | 10/01/10                  |
| Submit SAP D1                            | 10/28/10                  |
| Estimated SAP Approval                   | 01/13/11                  |
| Conduct Walkover Surveys                 | 12/12/10                  |
| Field Sampling                           | 05/18/11                  |
| Sample Analysis (including V&V)          | 07/28/11                  |
| Final Reports Submitted for ORNL Parcels | 08/29/11                  |
| Final Reports Submitted for Y-12 Parcels | 10/28/11                  |
| Project Complete                         | 10/28/11                  |

**Section B: Contractor Recovery Act Performance Outcomes and Measures**

Complete Section A milestones according to schedule.

**Section C: Contractor Recovery Act Deliverables**

Final investigation report for each of the 15 parcels.

**Section D: Funding Amounts by Subproject**

|   | Previous   | Change            | Current            |
|---|------------|-------------------|--------------------|
| <b>NPL Boundary Reduction Investigations for<br/>15 ORR Parcels</b> | <b>\$0</b> | <b>+3,000,000</b> | <b>\$3,000,000</b> |

\*The revision number will consist of a 2-digit program identifier, 4-digit sequential number, and the last digit of the fiscal year.

# Financial Plan Report - Detail

## OR23100 - ORISE (RECOVERY ACT - 8909/100253)

| 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 |
|--|-----------|--------|---------|------------|------------|-----------|---------|---------|---------------------|------------------------|--------------|--------------|--------------|-----------------|
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473044   | 2002100 | 0000000 |                     | 234,315.62             | 360,000.00   | 0.00         | 360,000.00   | 594,315.62      |
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473045   | 2002100 | 0000000 |                     | 256,720.01             | 0.00         | 0.00         | 0.00         | 256,720.01      |
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473046   | 2002100 | 0000000 |                     | 246,447.82             | -235,000.00  | 0.00         | -235,000.00  | 11,447.82       |
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473047   | 2002100 | 0000000 |                     | 252,932.98             | 325,000.00   | 0.00         | 325,000.00   | 577,932.98      |
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473049   | 2002100 | 0000000 |                     | 128,193.66             | -125,000.00  | 0.00         | -125,000.00  | 3,193.66        |
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473050   | 2002100 | 0000000 |                     | 245,727.64             | -200,000.00  | 0.00         | -200,000.00  | 45,727.64       |
| 470009   | 06049     | EZ     | 1111375 | FD0411000  | 25400      | 0473057   | 2002100 | 0000000 |                     | 128,193.66             | -125,000.00  | 0.00         | -125,000.00  | 3,193.66        |
| <b>Total for Program Parent/Control Point: FD0411000</b>   |           |        |         |            |            |           |         |         |                     | 1,492,531.39           | 0.00         | 0.00         | 0.00         | 1,492,531.39    |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473041   | 2002101 | 0000000 |                     | 10,000.00              | 500.00       | 0.00         | 500.00       | 10,500.00       |
| <i>AY 2009 - Funding Authorization dated 5/5/10; Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for MV Sentinel Wells. Work Authorization dated Dec. 22, 2009</i>   |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473054   | 2002101 | 0000000 |                     | 10,000.00              | 500.00       | 0.00         | 500.00       | 10,500.00       |
| <i>AY 2009 - Funding Authorization dated 5/5/10; Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for BV Isotope Facilities (demo hot cells. ). Work Authorization dated Dec 22, 2009</i>                                   |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473055   | 2002101 | 0000000 |                     | 682,945.24             | 1,205,551.00 | 0.00         | 1,205,551.00 | 1,888,496.24    |
| <i>AY 2009 - Funding Authorizations dated 5/5/10. Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for ORNL Small Facilities Complex demo. Work Authorization dated Dec 22, 2009; Work Authorization dated Apr 22, 2010</i> |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473056   | 2002101 | 0000000 |                     | 31,000.00              | 1,550.00     | 0.00         | 1,550.00     | 32,550.00       |
| <i>AY 2009 - Funding Authorizations dated 5/5/10; Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for Corehole 8 Remediation. Work Authorization dated Dec 22, 2009</i>  |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473058   | 2002101 | 0000000 |                     | 31,000.00              | 1,550.00     | 0.00         | 1,550.00     | 32,550.00       |
| <i>AY 2009 - Funding Authorizations dated 5/5/10; Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for BV Burial Grounds (Cap SWSA 1 and 3). Work Authorization dated Dec. 22, 2009</i>                                     |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473059   | 2002101 | 0000000 |                     | 31,000.00              | 1,550.00     | 0.00         | 1,550.00     | 32,550.00       |
| <i>AY 2009 - Funding Authorization dated 5/5/10, Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for BV Groundwater Early Actions. Work Authorization dated Dec. 22, 2009</i>  |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473060   | 2002101 | 0000000 |                     | 10,000.00              | 153,398.00   | 0.00         | 153,398.00   | 163,398.00      |
| <i>AY 2009 - Funding Authorization dated 5/5/10, Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101 for BV Isotope Facilities (Bldg. 3038). Work Authorization dated Dec. 22, 2009.</i>                                       |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| 470009   | 06049     | EZ     | 1111376 | FD0412000  | 25400      | 0473203   | 2002101 | 0000000 |                     | 0.00                   | 0.00         | 3,000,000.00 | 3,000,000.00 | 3,000,000.00    |
| <i>AY 2009 - WAS dated June 30, 2010. Appropriation 89-09/10-0253 Defense Environmental Cleanup, Project Code 2002101</i>  |           |        |         |            |            |           |         |         |                     |                        |              |              |              |                 |
| <b>Total for Program Parent/Control Point: FD0412000</b>   |           |        |         |            |            |           |         |         |                     | 805,945.24             | 1,364,599.00 | 3,000,000.00 | 4,364,599.00 | 5,170,544.24    |
| <b>Total for Fund Type: EZ</b>   |           |        |         |            |            |           |         |         |                     | 2,298,476.63           | 1,364,599.00 | 3,000,000.00 | 4,364,599.00 | 6,663,075.63    |
| <b>Total for Recipient Code: OR</b>  |           |        |         |            |            |           |         |         |                     | 2,298,476.63           | 1,364,599.00 | 3,000,000.00 | 4,364,599.00 | 6,663,075.63    |
| <b>Total for Reporting Entity: 470009</b>  |           |        |         |            |            |           |         |         |                     | 2,298,476.63           | 1,364,599.00 | 3,000,000.00 | 4,364,599.00 | 6,663,075.63    |
| <b>Total for OR23100 - ORISE (RECOVERY ACT - 8909/100253)</b>  |           |        |         |            |            |           |         |         |                     | 2,298,476.63           | 1,364,599.00 | 3,000,000.00 | 4,364,599.00 | 6,663,075.63    |

Financial Plan Number: 4

Fiscal Year: 2010

Fiscal Month: 10

Contract Modification Number: \*\* No MOD \*\*

Rpt Entity: OR Oak Ridge Associated Universities

## Financial Plan Report - Detail

Site: OR

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Report: RFP0001

OR23100 - ORISE (RECOVERY ACT - 8909/100253)

Report Generated on: July 8, 2010 at 07:58:32 AM

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| <u>Agency</u>                          | <u>Obligation Change<br/>Amount</u> |
|--|-------------------------------------|
| Total Appropriated Funds (Program 40): | 0.00                                |
| Total DOE and Non-Appropriated Funds:  | 3,000,000.00                        |
| Grand Total:                           | 3,000,000.00                        |
| Total Non-Appropriated Funds:          | 0.00                                |

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