

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 336	3. EFFECTIVE DATE 03/07/2013	4. REQUISITION/PURCHASE REQ NO	5. PROJECT NO (If applicable)
6. ISSUED BY Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 00901	7. ADMINISTERED BY (If other than Item 6) Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 00901
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		(x) 9A. AMENDMENT OF SOLICITATION NO	9B. DATED (SEE ITEM 11)
CODE 798861048	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-08SR22470	10B. DATED (SEE ITEM 13) 01/10/2008

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)

No Change to accounting data.

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) Section I, DEAR 970.5211-1 Work Authorization (May 2007)

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

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

A. The purpose of this modification is to incorporate the following:

1) Contract Work Authorization No. SR071801, Project Title: Center for Sustainable Groundwater & Soil Remediation at SRS (incl Attenuation-Based Remedies for the Subsurface Applied Field Research Initiative at Savannah River, attachment 1, hereto.

2) Reference Modification 335, the revisions cited below are incorporated:

(a) Replace Contract Work Authorization SCW-0052, with attachment 2, hereto. Block 14, project number pin and ink change to reflect project No. as read "SCW-0091," changed to read "SCW-0052," and

(b) Replace the cover sheet/index page for contract work authorizations to correct

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) James Lovett
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 03/07/2013

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

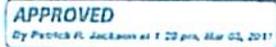
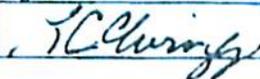
ITEM NO (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>clerical errors, attachment 3, hereto.</p> <p>B. This modification formally incorporates the above referenced contract work authorization as part of the contract. Funds were previously allocated under FINPLANS #7, FY 13 by separate modification. As stated under DEAR 970.5211-1 Work Authorization (May 2007), paragraph (b), the work authorization, whether issued bilaterally or unilaterally shall become a part of the contract.</p> <p>C. The contract estimated value and all other terms and conditions remain unchanged.</p>				

Attachment 1

Contract Work Authorization No. SR071801

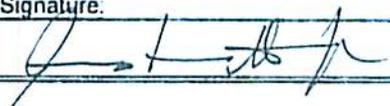
**Project Title: Center for Sustainable Groundwater & Soil Remediation at SRS
(incl Attenuation-Base Remedies for the Subsurface Applied
Field Research Initiative at Savannah River)**

Flw #7

U. S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Project Title		1b. Work Proposal Number	
Center for Sustainable Groundwater & Soil Remediation at SRS (incl Attenuation-Based Remedies for the Subsurface Applied Field Research Initiative at Savannah River)		SR071801	
2. Headquarters Program Point of Contact			
Grover Chamberlain	EM-12	301.903.7248	
3. Headquarters Budget Point of Contact			
Jeffrey McMillan	EM-61	301.903.7701	
4. Responsible Program		5. Responsible Secretarial Officer	
Office of Environmental Management		Mark Gilbertson, DAS Site Restoration	
6. Responsible Field Organization			
U.S. Department of Energy, Savannah River Operations			
7a. Site and Facility Management Contractor		7b. Contractor Point of Contact	
Savannah River Nuclear Solutions, LLC		Name John W Temple	Telephone No. (803) 952- 7210
8. Work Authorization Number		9. Revision Number	
SR071801-R2		2	
10. Funds Authorized (\$ in thousands)(See NOTE below)			
NOTE: Reference Appropriation Act for Fiscal Year 2013: "Appropriations and funds made available and authority granted pursuant to this joint resolution shall be available until whichever of the following first occurs: (1) the enactment into law of an appropriation for any project or activity provided for in this joint resolution; (2) the enactment into law of the applicable appropriations Act for fiscal year 2013 without any provision for such project or activity, or (3) March 27, 2013			
Budget and Reporting Code:	Previous:	Change:	Current:
EY4049110	\$115,062.37	\$0	\$115,062.37
11. Performance Period Covered by Funds		12. Work Start Date	13. Expected Completion Date
From October 1, 2012	To March 27, 2013	From Oct. 1, 2012	To Sept. 30, 2013
14. Statement of Work (Includes attachments)			
Task 5: A S C E M Support Provide support and funding to ASCEM project including but not limited to F-Area field site data for model validation. The ASCEM Multi-Laboratory program is aimed at addressing critical EM program needs to provide the capability to better understand and quantify subsurface flow and contaminant transport behavior in complex geological systems and the long-term performance of engineered components including cementitious materials in nuclear waste disposal facilities, in order to reduce uncertainties and risks associated with DOE EM's disposal, environmental cleanup and closure programs. The alignment of the AFRI work and the data needs for ASCEM model development and validation ensure an integrated approach to decisions necessary to accomplish the DOE EM clean up mission. Note: Period of performance for this work scope ends September 30, 2013			
15. DOE-SR Program Point of Contact			
Name (printed)	Signature	Date	
Patrick R. Jackson		March 5, 2013	
17. DOE Budget Official			
Name (typed):	Signature	Date	
Harold K. Nielsen		3/5/13	
18. Contractor's Authorized Representative			
Name (typed):	Signature	Date	
John Temple		3-6-13	

Folk

U. S. DEPARTMENT OF ENERGY
CONTRACT WORK AUTHORIZATION

1a. Project Title		1b. Work Proposal Number
Center for Sustainable Groundwater & Soil Remediation at SRS (incl Attenuation-Based Remedies for the Subsurface Applied Field Research Initiative at Savannah River)		SR071801
19. DOE Contracting Officer (or delegated representative)		
Name (typed):	Signature:	Date:
Jim Lovett		3/6/10

Contract Work Authorization No. SCW-0052

Project Title: Collaborate Research: The Importance of Organo -Iodate & Iodate in Iodine-127, 129 Speciation, Mobility & Microbial Activity in Groundwater at DOE Sites (Replacement copy with pin and ink Changes to project number, SCW-0091 changed to read SCW-0052).

#7

**U. S. DEPARTMENT OF ENERGY
CONTRACT WORK AUTHORIZATION**

1a. Project Title Collaborative Research: The Importance of Organo-Iodate & Iodate in Iodine-127, 129 Speciation, Mobility, & Microbial Activity in Groundwater at DOE Sites		1b. Work Proposal Number SCW-0052																									
2. Headquarters Program Point of Contact																											
Name: Sharlene Weatherwax		Organization Code: SC-23	Telephone: 301-905-3281																								
3. Headquarters Budget Point of Contact																											
Name: Lisa Yost		Organization Code: SC-41.2	Telephone: 301-905-2310																								
4. Responsible Program Office of Science		5. Responsible Secretarial Officer Patricia Dehmer, Deputy Director for Science Programs																									
6. Responsible Field Organization U.S. Department of Energy, Savannah River Operations																											
7a. Site and Facility Management Contractor Savannah River Nuclear Solutions, LLC		7b. Contractor Point of Contact																									
		Name: John W. Temple	Telephone No. (803) 652-7210																								
8. Work Authorization Number SCW-0052		9. Revision Number 0																									
10. Funds Authorized (See NOTE below)																											
NOTE: Reference Appropriation Act for Fiscal Year 2013: "Appropriations and funds made available and authority granted pursuant to this joint resolution shall be available until whichever of the following first occurs: (1) the enactment into law of an appropriation for any project or activity provided for in this joint resolution; (2) the enactment into law of the applicable appropriations Act for fiscal year 2013 without any provision for such project or activity; or (3) March 27, 2013. This is a distribution by the Program Office funds to continue funding Statement of Work. The attached budget detail and program comments relate to the January AFP recently submitted to the Chief Financial Officer by the Biological and Environmental Research program. In accordance with DOE Order 412.1a, the current FY 2013 Work Authorization for the Management and Operating (M&O) contract with the Savannah River Nuclear Solutions, LLC, continues to cover funding through the February AFP.																											
Budget and Reporting Code: KP170203		Previous: 13,639	Change: 518,639																								
			Current: \$18,639																								
11. Performance Period Covered by Funds (See NOTE in Block 10)		12. Work Start Date	13. Expected Completion Date																								
From: Oct. 1, 2012	To: Sep 30, 2013	From: Oct. 1, 2012	To: Sep 30, 2013																								
14. Statement of Work (Includes attachments)																											
Funds rescinded from prior year uncoated balances within Environmental Remediation to support project SCW-0052 to continue funding Statement of Work.																											
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Year</th> <th>BAR</th> <th>Project</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>PY2007</td> <td>KP1502</td> <td>SCW-0044</td> <td>(8376)</td> </tr> <tr> <td>PY2008</td> <td>KP160491</td> <td>SCW-0091</td> <td>(4787)</td> </tr> <tr> <td>PY2008</td> <td>KP160491</td> <td>SCW-0044</td> <td>(8476)</td> </tr> <tr> <td>PY2009</td> <td>KP170203</td> <td>SCW-0081</td> <td>8376</td> </tr> <tr> <td>PY2009</td> <td>KP170203</td> <td>SCW-0057</td> <td>10283</td> </tr> </tbody> </table>				Year	BAR	Project	Amount	PY2007	KP1502	SCW-0044	(8376)	PY2008	KP160491	SCW-0091	(4787)	PY2008	KP160491	SCW-0044	(8476)	PY2009	KP170203	SCW-0081	8376	PY2009	KP170203	SCW-0057	10283
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0052
0052
2/27/13

16. DOE-SR Program Point of Contact		
Name (printed):	Signature	Date
Patrick R. Jackson	APPROVED <small>By Patrick R. Jackson of DOE Form SR 16, SR-1</small>	February 14, 2013
16. DOE Budget Official		
Name (typed):	Signature:	Date:
Harold K. Nilsen	<i>Harold K. Nilsen</i>	2/21/13
17. Contractor's Authorized Representative		
Name (typed):	Signature:	Date:
John Temple	<i>John Temple</i>	2/21/13
18. DOE Contracting Officer (or delegated representative)		
Name (typed):	Signature:	Date:
Scott Langston	<i>SL</i>	2/21/13

Revised Cover/Index Page (reference Mod 335)

Contract Work Authorizations

<u>Project Title</u>	<u>Number</u>	<u>Pages</u>
1) Risk Management Review & Assessment-D&D Design Guidance	SR071103	1
2) Collaborate Research: The Importance Of Organo-Iodate & Iodate in Iodine-127, 129 Speciation, Mobility & Microbial Activity in Groundwater at DOE Sites	SCW-0052	2
3) Energy Employees Occupational Illness Compensation Program (EEOICPA)	HQ1001-0-SR	6
4) Fate of Uranium During Transport Across The Groundwater-Surface Water Interface	SCW-0091	1
5) Attenuation-Based Remedies for the Subsurface Applied Field Research Initiative at SR	SR071801-2-13	4