

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 1	
2. AMENDMENT/MODIFICATION NO. 306		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. 13EM000343	
6. ISSUED BY Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		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		5. PROJECT NO. (If applicable) 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		9A. AMENDMENT OF SOLICITATION NO. (x)		9B. DATED (SEE ITEM 11)	
CODE 798861048		FACILITY CODE		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)

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 1 copies to the issuing office.

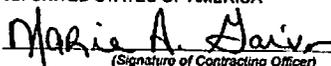
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

A. The purpose of this modification is to incorporate Contract Work Authorization numbers IN13021, HI-410003-13, and KP/W/SR1/3 (See attachments 1 through 3), hereto.

B. This modification formally incorporates the above referenced contract work authorizations as part of the contract. Funds authorizations will continue to be allocated by separate modifications in accordance with the DOE-SR FIN PLANS. 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.

C. The contract estimated value and all other terms and conditions remain unchanged.

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) John W. Temple, Director Contracts		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Marie A. Garvin	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 11/15/2012	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 11/15/12

Contract Work Authorization

No. IN13021

Project Entitled: Energy and Threat

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

1a. Project Title Energy and Threat		1b. Work Proposal Number IN13021	
2. Headquarters Program Point of Contact Name: Sunny Slacum Organization Code: Phone: 202-586-8865			
3. Headquarters Budget Point of Contact Name: Debbra Dayton Organization Code: Telephone No. 202-586-4370			
4. Responsible Program Analysis, Investigations & Office of the SCIO		5. Responsible Secretarial Officer Office of Energy and Threat	
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) 952- 7210	
8. Work Authorization Number IN13021		9. Revision Number 0	
10. Funds Authorized (\$ in thousands)(See NOTE below) NOTE: Funding obligated under most current contract modification and related approved financial plan executed under contract clauses B-4, Obligation of Funds, and I.53, DEAR 970.5232-4 Obligation of Funds (Dec 2000) applies.			
Budget and Reporting Code: GD2540980	Previous: \$0	Change: \$0 <i>\$189,468.00</i>	Current: \$189,468.00
11. Performance Period Covered by Funds From: October 1, 2012 To: September 30, 2013		12. Work Start Date From: Oct. 1, 2012	
		13. Expected Completion Date To: Sept. 30, 2013	
14. Statement of Work (Includes attachments) Statement of Work: Pending enactment of the FY 2,013 Energy and Water Appropriations bill, DOE will be operating under a Continuing Resolution (CR) (HJ. Res. 117). Funding distribution in the Approved Funding Program (AFP) for the CR will be 48.7% of a S* reduction from the FY 2012 enacted. Of that amount 100% will be allotted during the CR. The AFP will be adjusted in the future, as necessary, to reflect the enacted appropriation (or other appropriation legislation). Additional funding restrictions may be forthcoming and will be reflected in future work authorizations as required.			
15. DOE Budget Official			
Name (typed): Harold K. Nielsen	Signature: <i>Harold K. Nielsen</i>	Date: 10/23/12	
16. Contractor's Authorized Representative			
Name (typed): John Temple	Signature: <i>John Temple</i>	Date: 10/26/12	
17. DOE Contracting Officer (or delegated representative)			
Name (typed): Jim Lovett	Signature: <i>James Lovett</i>	Date: 11/6/12	

Attachment 2

Contract Work Authorization

No. HI-410003-13

Project Entitled: Fuel Cell Technologies Program

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

1a. Project Title Fuel Cell Technologies Program	1b. Work Proposal Number HI-410003-13
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2. Headquarters Program Point of Contact		
Name: Sunita Satyapal	Organization Code: EE-2H	Phone: 202-586-2336

3. Headquarters Budget Point of Contact		
Name: Dinnis Lin	Organization Code:	Telephone No. 202-586-7285

4. Responsible Program Office of Energy Efficiency and Renewable Energy	5. Responsible Secretarial Officer David Danielson
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6. Responsible Field Organization U.S. Department of Energy, Savannah River Operations
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7a. Site and Facility Management Contractor Savannah River Nuclear Solutions, LLC	7b. Contractor Point of Contact Name: John W. Temple Telephone No. (803) 952- 7210
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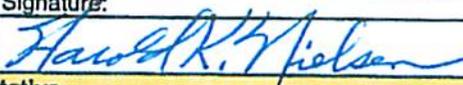
8. Work Authorization Number HI-410003-13	9. Revision Number 0
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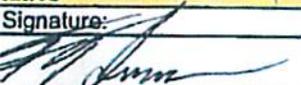
10. Funds Authorized (\$ in thousands)(See NOTE below)			
NOTE: Funding obligated under most current contract modification and related approved financial plan executed under contract clauses B-4, Obligation of Funds, and I.53, DEAR 970.5232-4 Obligation of Funds (Dec 2000) applies.			

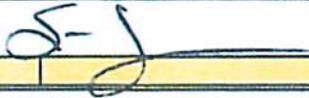
Budget and Reporting Code: Congressional Control Point: HT0000000	Previous: \$0	Change: \$1,695,000	Current: \$1,695,000.00
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11. Performance Period Covered by Funds		12. Work Start Date	13. Expected Completion Date
From: October 1, 2012	To: September 30, 2013	From: Oct. 1, 2012	To: Sept. 30, 2013

14. Statement of Work (Includes attachments)
Funding in the amount of \$1,695,000.00 is authorized by the Fuel Cell Technologies Program to perform work in the areas of: <ul style="list-style-type: none"> • Production & Delivery: Production of hydrogen from domestic resources with a focus on renewables and low carbon pathways, as well as delivery of hydrogen to meet costs of \$2 to \$4 per gallon gasoline equivalent • Hydrogen Storage: Storage of hydrogen on vehicles with secondary emphasis on early market applications. • Fuel Cells: Conversion of hydrogen and other fuels to electricity with a focus on transportation applications and secondary emphasis on stationary and portable power applications. • Technology Validation: Technical validation of systems in real-world environments. • Safety, Codes & Standards: Safety-related research and facilitation of the development of model codes and standards for widespread domestic and international commercialization of hydrogen and fuel cell technologies. • Systems Analysis: Understanding the complex interactions among components, system costs, energy efficiency, environmental impacts, societal impacts, and system trade-offs. • Manufacturing: Research and development of manufacturing technologies and processes to lower the cost and improve the quality of hydrogen and fuel cell systems and components. • Market Transformation: Accelerates the commercialization and early adoption of hydrogen and fuel cell technologies.

15. DOE Budget Official		
Name (typed): Harold K. Nielsen	Signature: 	Date: 10/30/12

16. Contractor's Authorized Representative		
Name (typed): John Temple A. F. T. I. W. K. C.	Signature: 	Date: 11/5/12.

17. DOE Contracting Officer (or delegated representative)		
Name (typed): Jim Lovett	Signature: 	Date: 10/31/12

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Program Title: Fuel Cell Technologies Program		1b. Work Proposal Number (if applicable): AOP #FY12 SRNL PD, AOP #FY12 SRNL ST, AOP #FY12 SRNL ST, AOP #FY12 SRNL ST, AOP #SRNL FY12 SC8	
2. Headquarters Program Point of Contact: Name: Sunita Satyapal Organization Code: EE-2H Telephone No: (202) 586-2336			
3. Headquarters Budget Point of Contact: Name: Dennis Lin Organization Code: Telephone No: (202) 586-7285			
4. Responsible Program: Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: David Danileson	
6. Responsible Field Element: Savannah River Site Office			
7a. Site and Facility Management Contractor: Savannah River Nuclear Solutions, LLC		7b. Contractor Point of Contact: Name: Ted Motyka Telephone No: (803) 728-3665	
8. Work Authorization Number: HI-410003-13		0	
10. Funds Authorized:			
<u>Congressional Control Point</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
HT000000	\$0.00	\$1,885,000.00	\$1,885,000.00
11. Performance period covered by funds: From: 10/01/2012 To: 09/30/2013		12. Work Start Date: 10/01/2012	13. Expected Completion Date: 09/30/2013
14. Statement of Work: Funding in the amount of \$1,885,000.00 is authorized by the Fuel Cell Technologies Program to perform work in the areas of: <ul style="list-style-type: none"> • Production & Delivery: Production of hydrogen from domestic resources with a focus on renewables and low carbon pathways, as well as delivery of hydrogen to meet costs of \$2 to \$4 per gallon gasoline equivalent • Hydrogen Storage: Storage of hydrogen on vehicles with secondary emphasis on early market applications. • Fuel Cells: Conversion of hydrogen and other fuels to electricity with a focus on transportation applications and secondary emphasis on stationary and portable power applications. • Technology Validation: Technical validation of systems in real-world environments. • Safety, Codes & Standards: Safety-related research and facilitation of the development of model codes and standards for widespread domestic and international commercialization of hydrogen and fuel cell technologies. • Systems Analysis: Understanding the complex interactions among components, system costs, energy efficiency, environmental impacts, societal impacts, and system trade-offs. • Manufacturing: Research and development of manufacturing technologies and processes to lower the cost and improve the quality of hydrogen and fuel cell systems and components. • Market Transformation: Accelerates the commercialization and early adoption of hydrogen and fuel cell technologies. 			
15. Reporting Requirements (Status reports, scientific and technical information or similar):			
16. Work Authorization Program Officer:			

Name (typed): Gurita Satyapal, Program Manager	Signature: 3f3artod7-cc3e-4923- 892d-8c2306ed44f1	Date: 8/22/2012
17. DOE Field Organization Official:		
Name (typed): Patrick Jackson	Signature: Patrick Jackson	Date: 10/19/12
18. Contractor's Authorized Representative:		
Name (typed):	Signature: Ghoshal, Anupam	Date: 10/12/12
19. DOE Contracting Officer (or delegated representative):		
Name (typed):	Signature:	Date:
* The work authorization number will consist of the program code, AFP code, and the fiscal year		

FED 13-8012 - Oct

Contract Work Authorization

No. KP/W/SRI/3

Project Entitled: Biological and Environmental Research

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

1a. Project Title Biological and Environmental Research		1b. Work Proposal Number (if applicable) Various	
2. Acquisition Program Point of Contact Name: Shirene Weisbarck Organization Code: SC-23 Telephone Fax: (301)903-3251		3. Acquisition Budget Point of Contact Name: Lisa Yost Organization Code: SC-412 Telephone Fax: (301) 903-2310	
4. Reporting Program Biological and Environmental Research		5. Reporting Period Director, Office of Science	
6. Reporting Field Organization Savannah River Operations Office		7a. Site and Facility Management Organization Savannah River Nuclear Solutions, LLC	
7b. Contracting Point of Contact Name: Telephone Fax:		8. Revision Number 00	
9. Funds Authorized (in thousands) BIA Order KP Previous: \$0 Change: +140 Current: \$140		10. Estimated Period Covered by Funds From: 10/01/12 To: 09/30/13	
11. Work Start Date 10/01/12		12. Expected Completion Date 09/30/13	
13. Payment of Work			
<p>The FY 2013 Approved Funding Program provides funding to support Biological and Environmental Research activities, consistent with the Field Work Proposals (F/WP), as amended, and the monthly program guidance letters.</p> <p>The Office of Biological and Environmental Research (BER) is committed to conducting research 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 BER managers and BER-supported researchers and their staff. Funds provided by BER for research will be applied as necessary to ensure that all BER research activities are conducted safely and in an environmentally conscientious manner. Only research conducted in this way will be supported.</p>			
<p>14. Reporting Requirements (Data reports, articles and technical literature or other) which will be made available to DOE. It is recognized that for BER, the research will be reported as publications in the open literature, copies of which will be made available to DOE.</p> <p>An annual progress report must be included with each F/WP including projects which are terminating. Throughout the year each program must receive within documentation of significant accomplishments.</p>			
15. Work Authorization Program Official Name: Shirene Weisbarck Signature: [Signature] Date: 10/02/2012		16. DOE Field Organization Official Name: [Name] Signature: [Signature] Date: 10/02/2012	
17. DOE Program Manager II Name: [Name] Signature: [Signature] Date: 10/4/12		18. DOE Contracting Officer (or designee representative) Name: [Name] Signature: [Signature] Date: 10/11/12	