AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	UISITION/PURCHASE REQ. NO.	5. PR	1 2  OJECT NO. (If applicable)
0390	09/10/2013	13EN	1002925		
6. ISSUED BY CODE	00901	7. AD	MINISTERED BY (if other than item 6)	CODE	00901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802				
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LLC	98 × 10	A MODIFICATION OF CONTRACT/ORDER E-ACO9-08SR22470  B. DATED (SEE ITEM 13)	R NO.	
CODE 798861048	FACILITY CODE	<b>-</b>	01/10/2008		
730001040	11. THIS ITEM ONLY APPLIES TO	J J			
CHECK ONE A THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	er already submitted, such change may I d prior to the opening hour and date spe quired)  I  ODIFICATION OF CONTRACTS/ORDE  PURSUANT TO: (Specify authority) TH	be made icified. RS. IT M		DESCRIB	ED IN ITEM 14.
C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification		AUTHOR	RITY OF:		
X Section I, DEAR 970.	5211-1 Work Authori	zatio	on (May 2007)		
E. IMPORTANT: Contractor is not.	x) is required to sign this document as	nd return	1 copies to the iss	uing office	).
A. The purpose of this modi work authorization listed be	fication is to extend low:	nd th	e Period of Performand	ce for	
1) No. 11C-FY13, Rev. 5, for 01264 2) No. 12-FY 13, Rev. 5, for 3) No. 13-FY13, Rev. 5, for 4) No. 14C-FY13-Support, Rev. 5, No. 20-FY13, Rev. 5, for 6) No. 30-FY13, Rev. 5., for	or SR-0012 SNF Stabi SR-0013 Solid Waste v. 5, for SR Servic SR-0020 Safeguards	iliza e Dis ces a and	ation and Disposition I sposition Fund Code 012 and Contract Interface Security Fund Code 012	Fund ( 266 250	Code 01265
Except as provided herein, all terms and conditions of the TSA NAME AND TITLE OF SIGNATURE CONTracts Manage	Senior Vice President	16A	eretofore changed, remains unchanged and in NAME AND TITLE OF CONTRACTING OF THE STORY OF T		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)  NSN 7540-01-152-8070	15C. DATE SIGNED 9/11/2013	16B.	UNITED STATES OF MERICA (Signature of Contracting Officer)		16C. DATE SIGNED  - 9/1/20/. RD FORM 39 (REV. 19/83)
Previous edition unusable		1			ed by GSA / CFR) 53:243

		PAGE (	OF .
CONTINUATION SHEET	DE-AC09-08SR22470/0390	2	2

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
<del></del>	Budget Authority obligated under most current	(0)	,	(2)	(1)
	contract modification and related approved	1			
	financial plan executed under contract clauses				
	B-4, Obligation of Funds, and I.53, DEAR				
	970.5232-4 Obligation of Funds (Dec 2000)				
	applies. The period of performance is changed	i	1 1		
	from "10/1/12 thru 9/30/13, to read "10/1/12 thru				
	9/30/14," for work authorization(s) listed above.		ll		
	This extension allows for the continuation of	1	, ,		
	work subject to funds availability. SRNS shall comply with the restrictions cited under Block				
	10, Funds Authorized, for contract work		ll		
	authorizations, see attachments 1 through 6,	1			
	attached hereto.				
	B. As stated under DEAR 970.5211-1 Work				
	Authorization (May 2007), paragraph (b), the work	ł	1 1		
	authorization, whether issued bilaterally or		ı		
	unilaterally shall become a part of the contract.	ļ			
	C. The contract estimated value and all other	ļ			
	terms and conditions remain unchanged.		1		
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#### **Contract Work Authorization(s)**

#### Index

Attachment No.	WA No.	Project Title	No Pages
1	11C-FY13, Rev. 5	SR-0011C NM Stabilization Disposition -2035	*3
2	12-FY13, Rev. 5	SR-0012 SNF Stabilization and Disposition	*3
3	13-FY13, Rev 5	SR-0013 Solid Waste Disposition	*3
4	14C-FY13 Supt, Rev 5	SR Services & Contract Interface	*3
5	20-FY13, Rev 5	SR-0020 Safeguards and Security	*3
6	30-FY13, Rev 5	SR-0030 Soil and Ground Water Remediation	*3

Note: \*Three pages (inclusive of cover page)

Contract Work Authorization No. 11C-FY13, Rev. 5
Project Title: SR-0011C NM Stabilization Disposition -2035

	U.C. DEDAI	RTMENT OF I	NEDCY			
	CONTRACT V			1		
1a. Project Title		1b. Work P	roposal N	umber		
SR-0011C NM Stabilization and Disp Code 01264	osition - 2035 - Fund	DE-AC-09-0	8SR22470	)-11C-FY13		
2. Headquarters Program Point of	Contact		Para Li			
Name:Deleon Jr, Edgardo C. (Gary)	Organization Code: E Materials Disposition	M-22, Directo	r Nuclear		o. 301-903-7668 Fax: 301-903- (edgardo.deleon@em.doe.gov)	
3. Headquarters Budget Point of C	ontact					
Name: Tracey Whipp	Organization Code: E	M-61, Office of	of Budget	Telephone N	o. 301-903-7157	
4. Responsible Program		5. Respons	ible Secre	etarial Office	r	
Office of Environmental Managemen	l.	Collazo, Yve Phone:(202- mail:(yvette.	586-5280)	) Fax:(202-58	6-0449) Routing:(EM-1) E-	
6. Responsible Field Organization						
U.S. Department of Energy, Savanna	ah River Operations					
7a. Site and Facility Management	Contractor	7b. Contra	ctor Point	of Contact		
Savannah River Nuclear Solutions, L		Name: John W. Temple Telephone No. (803) 952- 7210				
8. Work Authorization Number		9. Revision	Number			
DE-AC-09-08SR22470-11C-FY13		5				
10. Funds Authorized (\$ in thousand	nds)(See NOTE below)					
NOTE: Budget Authority obligated ur contract clauses B-4, Obligation of F performance change represents fund this allotment are restricted (OMB Ca Stabilization and Disposition activitie In accordance with approved SF-132	unds, and I.53, DEAR 9 ling for 10/1/12 thru 9/3 at. B). Fund Codes, oth s.	970.5232-4 Ot 30/14 subject t ner than Fund	oligation of o the avail Code 0126	Funds (Dec 2 ability of fund 64, are not av	2000) applies. The period of s. Budget resources included in ailable for use for SR-0011C NM	
allotment excludes the \$7,300,000 or Department submits an analysis con Budget resources contain in this allo Small Modular Reactor, per OMB Approximate the approved SF-132, OMB Approximate the Approved SF-132, OMB Approximate the Approxi	f funding in the approve sistent with OMB Circul tment are restricted and portionment (SF-132). In sand provisions of the portionment and Reapportion and Disposition ca	ed Reprogram lar A-94 that d d are not avail Budget resou e public law ur ortionment Sc annot exceed t	ming for ac emonstrate able for ob urces sepa ider which hedule, alle	ctivities relate es the cost ef oligation for ac arately identifie the funds we ocations and	d for obligation 30 days after the fectiveness of these activities. Stivities related to Energy Parks or ed in Fund Code 01264 are to be re appropriated. In accordance obligations incurred for the PBS-	
Budget and Reporting Code:	Previous		Change Current		Current	
EY.86.48.11.0 Fund Code (01264)	\$5,903,800				\$248,987,912	
11. Performance Period Covered	by Funds	12. Work S	Start Date	13. Expecte	d Completion Date	
From: October 1, 2012 To: Sept. 30, 2014 Oct. 1, 20		Oct. 1, 2012	012 Sept. 30, 2014		14	

#### 14. Statement of Work (Includes attachments)

PBS 11C current period activities include the operations of H Canyon, HB Line, Analytical Labs (buildings. 772-F and 772 1F) and K Area; the surveillance and maintenance of F Area Complex (FB Line and F Area Materials Storage [FAMS] facilities) and Receiving Basin for Offsite Fuels (RBOF) pending transfer to PBS 30 for decommissioning.

Sublevel B&R (non-control point) scopes of work include H Canyon operations, Plutonium Preparation Project operations FAMS operations, K area operations and the balance of the Nuclear Materials program. Funds authorization is in accordance with the DOE-SR Fin Plan. A more detailed description of the work scope can be reviewed in the SRNS FY 13-17 CPB once change requests are approved by DOE-SR.

All work shall be conducted in accordance with this Modification.

		RTMENT OF ENERGY WORK AUTHORIZATION			
1a. Project Title		1b. Work Proposal	Number		
SR-0011C NM Stabilization and Disposition - 2035 - Fund Code (01264)		DE-AC-09-08SR22470-11C-FY13			
16. Work Authorization Pr	rogram Official - Contracting (	Officer's Representativ	/e		
Name (typed):	Signature:		Date:		
Doug Hintze	Nouglas	E Hinte	4 Sep 2413		
17. DOE-SR Budget Office	ial (Field CFO)	0			
Name (typed):	Signature:		Date:		
Harold K. Nielsen	Harstk	Hielson	9/5/13		
18. Contractor's Authoriz	ed Representative				
Name (typed):	Signature:		Date:		
John W. Temple	Solm	Wiemple	9/5/13		
19. DOE Contracting Office	cer (or delegated representati	ve)			
Name (typed):	Signature:		Date:		
Scott Langston	Sei		9/1/13		
			117		

Contract Work Authorization No. 12-FY13, Rev. 5
Project Title: SR-0012 SNF Stabilization and Disposition

	U. S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION					
1a. Project Title		1b. Work	Proposal N	umber		
SR-0012 SNF Stabilization and Disp 01265	osition Fund Code	DE-AC-09-08SR22470-12-FY13				
2. Headquarters Program Point of	Contact					
Name:Deleon Jr, Edgardo C. (Gary)	Organization Code: EN Materials Disposition	M-22, Direct	or Nuclear	Telephone No. 301-903-7668 Fax: 301-903-7165 E-mail:(edgardo.deleon@em.doe.gov)		
3. Headquarters Budget Point of	Contact					
Name: Tracey Whipp	Organization Code: EN	M-61, Office	of Budget	Telephone No. 301-903-7157		
4. Responsible Program		5. Respor	sible Secre	etarial Office	r	
Office of Environmental Managemer		Phone:(20)	vette T. (Yve 2-586-5280) e.collazo@h	Fax:(202-586	6-0449) Routing:(EM-1) E-	
6. Responsible Field Organization						
U.S. Department of Energy, Savann	ah River Operations					
7a. Site and Facility Management				of Contact		
Savannah River Nuclear Solutions, I	LC	Name: John W. Temple Telephone No. (803) 952-7				
8. Work Authorization Number		9. Revision Number				
DE-AC-09-08SR22470-12-FY13		5				
10. Funds Authorized (\$ in thousa						
NOTE: Budget Authority obligated to contract clauses B-4, Obligation of F performance change represents fun allotment are restricted (OMB Cat. E Reactor, per OMB Apportionment (Saccordance with the terms and provapproved SF-132, OMB Apportionm Spent Nuclear Fuel Stabilization and requirements is a potential violation	funds, and I.53, DEAR 9 ding for 10/1/12 to 9/30/10 and are not available for F-132). Budget resource sions of the public law upont and Reapportionment Disposition cannot except	70.5232-4 (all 4 subject to or obligation ces separate ander which at Schedule, eed the curr	Obligation of the available of the available of the activitie of the funds we allocations	Funds (Dec 2) Funds. Provided to Edition Fund Code ere appropriate and obligation	2000) applies. The period of Budget resources contain in this nergy Parks or Small Modular e 01265 are to be executed in ted. In accordance with the ns incurred for the PBS-SR-0012	
Budget and Reporting Code:	Previous		Change		Current	
EY.86.48.12.0 Fund Code (01265)	\$345,116		\$38,679,78	30	\$39,024,896	
11. Performance Period Covered	by Funds	12. Work	Start Date	13. Expected	Completion Date	
From: October 1, 2012 To: Sept. 3	Oct. 1, 2012 Sept. 30, 2014					
14. Statement of Work (Includes a						
PBS 12 work scope in the current baseline includes the operation of L area facilities, continued receipt and storage of Used Nuclear Fuel (UNF) and management of Heavy Water at SRS. Funds authorization is in accordance with the DOE-SR Fin Plan. A more detailed description of the work scope can be reviewed in the SRNS FY 13-17 CPB once change requests are approved by DOE-SR.						
All work shall be conducted in accor	All work shall be conducted in accordance with this Modification.					

U. S. DEPARTMENT OF ENERGY					
	CONTRACT	WORK AUTHORIZATION	ON		
1a. Project Title		1b. Work Proposal	Number		
SR-0012 SNF Stabilization and (01265)	Disposition Fund Code	DE-AC-09-08SR22470-12-FY13			
16. Work Authorization Progra	am Official - Contracting	Officer's Representati	ve		
Name (typed):	Signature:		Date:		
Doug Hintze	Douglas E	. Hortze	4 Sep 2013		
17. DOE Budget Official	0				
Name (typed):	Signature		Date:		
Harold K. Nielsen	Harsel	K. Wielson	9/5/13		
18. Contractor's Authorized R	Representative				
Name (typed):	Signature:		Date:		
John W. Temple	Jami	Jemple	9/5/13		
19. DOE Contracting Officer (					
Name (typed):	Signature; Date:				
Scott Langston	7-6		9/5/13		
	0				

Contract Work Authorization No. 13-FY13, Rev. 5
Project Title: SR-0013 Solid Waste Disposition

		U. S. DEPAR					
		CONTRACT W	ORK AUTH	ORIZATION	1		
1a. Project Title				Proposal N			
SR-0013 Solid Waste Di	sposition Fun	d Code 01266	DE-AC-09-	08SR22470	-13-FY13		
2. Headquarters Progr	am Point of C	Contact					
Name: Marcinowski, Frank N. Organization Code: E Secretary for Waste I			Carried a delicated and an activities			o. 202-586-0370 Email: owski@em.doe.gov)	
3. Headquarters Budge	et Point of Co	ontact				(200)	
Name: Tracey Whipp		Organization Code: EN	л-61, Office	of Budget	Telephone No	o. 301-903-7157	
4. Responsible Progra	m		5. Respor	sible Secre	etarial Office	r	
Office of Environmental	Management		Phone:(202	vette T. (Yve 2-586-5280) e.collazo@h	Fax:(202-586	6-0449) Routing:(EM-1) E-	
6. Responsible Field C	rganization						
U.S. Department of Ener	gy, Savannał	n River Operations					
7a. Site and Facility Ma	anagement C	ontractor			of Contact		
Savannah River Nuclear	Solutions, LL	.C	Name: John W. Temple Telephone No. (803) 952-73				
8. Work Authorization	Number		9. Revision Number				
DE-AC-09-08SR22470-1	13-FY13		5				
10. Funds Authorized	(\$ in thousand	ds)(See NOTE below)					
contract clauses B-4, Ob- performance change rep- identified in Fund Code ( funds were appropriated allocations and obligatio amount. Violation of the contain in this allotment Small Modular Reactor,	oligation of Fu presents fundi 01266 are to b . In accordant ns incurred fo se limitations are restricted per OMB App	nds, and I.53, DEAR 97 ng for 10/1/12 to 9/30/10 executed in accordance with the approved Sor the PBS-SR-0013 War and/or requirements is (OMB Cat. B) and are portionment (SF-132).	70.5232-4 C 4 subject to nce with the F-132, OM aste Manag a potential	Obligation of the available terms and B Apportion ement and I violation of e for obligat	Funds (Dec 2) provisions of ment and Rea infrastructure the Anti-Defice	financial plan executed under 2000) applies. The period of Budget resources separately the public law under which the apportionment Schedule, cannot exceed the current siency Act. Budget resources es related to Energy Parks or	
Budget and Reporting	Code:	Previous		Change		Current	
EY.86.48.13.0		\$11,522,083		\$29,947,44	16	\$41,469,529	
11. Performance Perio	d Covered b	y Funds	12. Work	Start Date	13. Expected	d Completion Date	
From: October 1, 2012	Oct. 1, 2012 Sept. 30, 2014						
14. Statement of Work							
Level Mixed Waste (LLN The DOE-SR Pollution F	MW), Transura Prevention (P2 d the preferre es for the Cor	anic (TRU) waste, HW, 2) Program employs the d use of energy-efficien	Pipe Overp EM's prefe at and resou	ack Contain erence of so erce-conserv	ners (POCs) frurce reduction vative practice	ted Low Level Waste (LLW), Low rom HB-Line, and sanitary waste. In and recycling over treatment, es and operations. Surveillance B, at which point	

This current period work scope also includes capital type projects (capital equipment and general plant projects) executed by Infrastructure Services to support facilities and activities, and support for the Historic Preservation program. Funds authorization is in accordance with the DOE-SR Fin Plan. A more detailed description of the work scope can be reviewed in the SRNS FY 13-17

All work shall be conducted in accordance with this Modification.

CPB once change requests are approved by DOE-SR.

	U. S. DEPARTME CONTRACT WORK		N		
1a. Project Title	1b.	Work Proposal N	lumber		
SR-0013 Solid Waste Disposition	DE-	DE-AC-09-08SR22470-13-FY13			
16. Work Authorization Program	Official - Contracting Officer	r's Representativ	е		
Name (typed):	Signature:		Date:		
Doug Hintze	Douglas &	Hinte	4 Sep 2613		
17. DOE Budget Official					
Name (typed):	Signature:		Date:		
Harold K. Nielsen	Harel & Hielon		9/5/13		
18. Contractor's Authorized Repu	resentative				
Name (typed):	Signature:		Date:		
John W. Temple	Johnwi	emple	9/5/13		
19. DOE Contracting Officer (or o	delegated representative)				
Name (typed):	Signature:		Date:		
Scott Langston	51		9/1/13		

Contract Work Authorization No. 14C-FY13 Supt, Rev. 5
Project Title: SR Services & Contract Interface

		THE TOWNSHIP OF		ENERGY			
	CONTRAC	CT WOR	K AUTH	ORIZATION	N.		
1a. Project Title		1b	. Work I	Proposal N	umber		
SR Services & Contract Interface	9				-14C-FY13	Support	
2. Headquarters Program Poir	nt of Contact						
Name: Schneider, Steven P	Organization Cod	le: EM-2	1 Assista	ant	Telephone No. 301-903-7198		
	Secretary for EM	Secretary for EM			(email)steve.schneider@em.doe.gov		
3. Headquarters Budget Point	of Contact						
Name: Tracey Whipp		de: EM-6	1, Office	of Budget	Telephone I	No. 301-903-7157	
4. Responsible Program		5.	Respon	sible Secre	etarial Offic	er	
Office of Environmental Manage	ment			ette T. (Yve			
						36-0449) Routing:(EM-1) E-	
		ma	ail:(yvette	.collazo@h	iq.doe.gov)		
6. Responsible Field Organiza							
U.S. Department of Energy, Sav	annan River Operations	5					
7a. Site and Facility Managem	ent Contractor	7b	. Contra	actor Point	of Contact	-31	
Savannah River Nuclear Solution		Na	Name: John W. Temple Telephone No. (803) 952- 721				
8. Work Authorization Number		9.	Revisio	n Number			
DE-AC-09-08SR22470-14C-FY1	3 Support	5	5				
10. Funds Authorized (\$ in tho	usands)(See NOTE bel	low)					
NOTE: Budget Authority obligate	ed under most current c	ontract r	nodificati	on and rela	ted approve	d financial plan executed under	
contract clauses B-4, Obligation							
allotment are restricted (OMB Ca						. Budget resources contain in this	
Reactor, per OMB Apportionmer		ible for o	bligation	ioi activitie	is related to	Energy Parks of Small Modular	
20 20 20 20						The state of the s	
Budget and Reporting Code:	Previous			Change		Current	
EY8748141	\$1,973,613			\$80,829,00	00	\$82,802,613	
11. Performance Period Cover	red by Funds	12	Work	Start Date	13 Expecte	ed Completion Date	
	ou by I undo		·······································	otart Dato	TO. Expedit	a completion bate	
From: October 1, 2012 To: Sep	t. 30, 2014	Oc	ct. 1, 201	2	Sept. 30, 20	14	
					e/		
14. Statement of Work (Includ		71 11					
Current period work scope included No. DE-AC09-08SR22470, Section 1.							
						ipport (Amendment 003), and C-4	
INTERFACES WITH OTHER SI							
						TS APPENDIX N - SR SERVICES	
						to reach agreement on interfaces	
and for the appropriate delivery							
Management Plan (IMP) and its	portion of controlling ag	greemen	ts (i.e., N	IOAs/MOUs	s). The IMP i	s an interface management tool	
only and does not take preceder							
acquisition and installation of rea						nd Asset Management, will be	
charged to this funding, up to an	MW desperate Charles		A STATE OF THE STA	aterials or re	ework.		
All work shall be conducted in ac	cordance with this Moo	dification	20				

	U. S. DEPARTME		N		
	CONTRACT WORK	AOTHORIZATIO	<u> </u>		
1a. Project Title	1b.	Work Proposal N	lumber		
SR Services & Contract Interface	DE-	DE-AC-09-08SR22470-14C-FY13 Support			
16. Work Authorization Program	m Official - Contracting Officer	r's Representative	е		
Name (typed):	Signature:		Date:		
Doug Hintze	Noughs E	Hinte	4 Sep 2613		
17. DOE Budget Official	ð				
Name (typed):	Signature:		Date:		
Harold K. Nielsen	Harolet X. VI	Tielsen	9/5/13		
18. Contracting Officer Represe	entative				
Name (typed):	Signature:		Date:		
John Temple	John w.	Semple	9/5/13		
19. DOE Contracting Officer (or					
Name (typed):	Signature:		Date:		
Scott Langston	51		9/5/13		
	0				

Contract Work Authorization No. 20-FY13, Rev. 5 Project Title: SR-0020 Safeguards and Security

		U. S. DEPAR CONTRACT W			ı		
1a. Project Title			1b. Work	Proposal N	umber		
SR-0020 Safeguards and	DE-AC-09-						
2. Headquarters Program	n Point of C	Contact	TAX TOWN				
Name: Moury, Matthew B.					Commence of the Commence of th	o. 202-586-5151 Email: ury@em.doe.gov	
3. Headquarters Budget	Point of Co	ontact				The second second second	
Name: Connie Flohr		Organization Code: EN	M-61, Office	of Budget	Telephone N	o. 301-903-7157	
4. Responsible Program			5. Respon	sible Secre	etarial Office		
Office of Environmental Ma	anagement		Collazo, Yv Phone:(202 mail:(yvette	2-586-5280)	Fax:(202-586	6-0449) Routing:(EM-1) E-	
<ol><li>Responsible Field Org</li></ol>							
U.S. Department of Energy		CHARLES TO THE PARTY OF THE CONTRACTOR OF THE CO					
7a. Site and Facility Man					of Contact		
Savannah River Nuclear S	Solutions, LL	С	Name: John W. Temple Telephone No. (803) 952- 721				
8. Work Authorization N			9. Revisio	n Number			
DE-AC-09-08SR22470-20	-FY13		5				
10. Funds Authorized (\$							
contract clauses B-4, Oblig performance change repre	gation of Full esents funding MB Cat. B)	nds, and I.53, DEAR 9 ng for 10/1/12 to 9/30/1 and are not available fo	70.5232-4 C 4 subject to	bligation of the availab	Funds (Dec :	financial plan executed under 2000) applies. The period of Budget resources contain in this nergy Parks or Small Modular	
Budget and Reporting Co	ode:	Previous		Change		Current	
FS.50.48.01.0		\$12,183,756		\$21,601,38	32	\$33,785,138	
11. Performance Period	Covered by	y Funds	12. Work	Start Date	13. Expected	d Completion Date	
From: October 1, 2012 T	o: Sept. 30,	2014	Oct. 1, 201	2	Sept. 30, 201	14	
14. Statement of Work (I	Includes att	tachments)					
materials, classified informensures SNM accounting is consolidation and nuclear provide assurance that SN material and documents the protected from unauthorize encompasses those activitareas within the Site. The transmitted. Funds authorize reviewed in the SRNS	nation, Site pain accordance material hololism is proper nat may contended disclosuraties necessare Cyber Securization is in FY 13-17 CF	property and personnel ce with DOE requirement of up removal activities by controlled and accountain sensitive or classifies and ultimately destrough to ensure only authority Program ensures the accordance with the DPB once change requesting the with the DPB once change requirements.	The Nucle ents and sup (e.g., residuanted for at a ided informat yed in a timorized persone protection OE-SR Fin sts are appr	ar Material, ports ongoinal materials all times. The fon are identified manner, annel accessin of sensitivellan. A mo	Control and Aing and new ris in process ene Information attified, reviewed. The Personnes the Site and re or classified are detailed defined.	equipment). These activities a Security Program ensures that ed, appropriately marked and	
All work shall be conducte	d in accorda	ance with this Modificat	ion.				

	1b. Work Proposal	Number
	DE-AC-09-08SR224	70-20-FY13
Official - Contracting Of	ficer's Representati	ve
Signature:		Date:
Douglas E	Hinte	4 Sep 2013
0	0	
Signature:		Date:
Hawel K!	Viele	9/5/13
esentative		
Signature:		Date:
Soma	Jemple	9/5/13
lelegated representative	e) V	
Signature:		Date:
5.1		9/5/3
	Official - Contracting Of Signature:  Signature:  Signature:  Signature:  Signature:  Signature:  Signature:  Signature:	Signature:  Signature:  Signature:  Signature:  Signature:  Gelegated representative)

Contract Work Authorization No. 30-FY13, Rev. 5
Project Title: SR-0030 Soil and Ground Water Remediation

	II o provi	DTMENT OF	ENEDOV		
	CONTRACT V	RTMENT OF		V	
	CONTINUE	TOTAL ACTIO	ONIZATIO		
1a. Project Title		1b. Work I			
SR-0030 Soil and Ground Water Re 01267	DE-AC-09-0	08SR22470	)-30-FY13		
2. Headquarters Program Point of	of Contact	AND WATER		15V-15V-15V	
Name:Levitan, William M. (Bill)	Organization Code: E			The state of the s	o. 301-903-3339 Fax: 301-903-
	Deputy Assistant Sec	retary for Site	9	4303 E-mail:	william.levitan@em.doe.gov
<ol><li>Headquarters Budget Point of Name: Connie Flohr</li></ol>	Organization Code: E	M-61 Office	of Budget	Telephone N	o. 301-903-7157
Name. Comme From	Organization code. L	iwi-o i, Oilice	or budget	relephone iv	0. 301-303-7137
4. Responsible Program				etarial Office	r
Office of Environmental Manageme	nt	Collazo, Yv			
		Phone:(202 mail:(yvette			6-0449) Routing:(EM-30) E-
6. Responsible Field Organization				No. of the last	
U.S. Department of Energy, Savani	nah River Operations				
7a. Site and Facility Managemen	t Contractor	7b. Contra	ctor Point	of Contact	
Savannah River Nuclear Solutions,		Name: Johi			Telephone No. (803) 952- 7210
8. Work Authorization Number		9. Revisio	n Number		
DE-AC-09-08SR22470-30-FY13		5			
10. Funds Authorized (\$ in thousa	ands)(See NOTE below)				
identified in Fund Code 01267 are t funds were appropriated. In accord allocations and obligations incurred Violation of these limitations and/or this allotment are restricted (OMB of Modular Reactor, per OMB Apportion	lance with the approved of for the PBS-SR-0030 Someonic requirements is a potenticat. B) and are not available.	SF-132, OME oil and Water tial violation o	3 Apportion Remediati of the Anti-D	ment and Rea on cannot exc Deficiency Act	apportionment Schedule, ceed the current amount. Budget resources contain in
Budget and Reporting Code:	Previous		Change		Current
EY.86.48.30.0 Fund Code (01267)	\$868,926		\$46,133,51	4	\$47,002,440
11. Performance Period Covered	by Funds	12. Work	Start Date	13. Expected	d Completion Date
From: October 1, 2012 To: Sept. 3	30, 2014	Oct. 1, 201	2	Sept. 30, 201	14
14. Statement of Work (Includes The current period scope for PBS 3 required surveillance and maintena more detailed description of the wo DOE-SR. All work shall be conducted in acco	0 includes Area Completence of inactive facilities. rk scope can be reviewed	Funds autho	rization is i	n accordance	with the DOE-SR Fin Plan. A
	and the second	country or new or	tativ		
16. Work Authorization Program Name (typed):	Signature:	micer's Rep	resentative	Date:	
Doug Hintze	11000	1/	*	- 5	Sep 2613
17. DOE Budget Official	Manger -	1/1	X		713
Name (typed):	Signature:	.111	_	Date:	
Harold K. Nielsen	Hanstk	Meil	/	9/	5/13

		RTMENT OF ENERG WORK AUTHORIZAT		
1a. Project Title		1b. Work Proposa	al Number	
SR-0030 Soil and Ground 01267	Water Remediation Fund Code	DE-AC-09-08SR22	470-30-FY13	
18. Contractor's Authori				
Name (typed):	Signature:		Date:	
John W. Temple	John	W Temple	9/5/13	
19. DOE Contracting Off	icer (or delegated representative	ve)		
Name (typed):	Signature:		Date:	
Scott Langston	5-1		9/1/13	

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT		1. CONTRACT ID CODE		PAGE OF	PAGES
2. AMENDMENT/MODIFICATION NO.	3 EFFECTIVE D		4 REC	UISITION/PURCHASE REQ. NO.	Is. PR	1 DJECT NO.	(If applicable)
		···-		1002925			
0391 6 ISSUED BY CODE	09/11/20		7. AD	MINISTERED BY (If other than Item 6)	CODE	0090	1
Savannah River Operations	00301		Sav	annah River Operations		10030	<u></u>
U.S. Department of Energy				. Department of Energy			
Savannah River Operations		<u> </u>	Sav	annah River Operations			
P.O. Box A				. Box A			
Aiken SC 29802			Aik	en SC 29802			
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and Z	ZIP Codo)	(x) 9A	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLC						
Attn: LLOYD CLEVINGER			98	DATED (SEE ITEM 11)			_
203 LAURENS ST SW							
AIKEN SC 298012421		-	. 10	A MODIFICATION OF CONTRACT/ORDER N	10.		
			× D	E-AC09-08SR22470			
			10	B. DATED (SEE ITEM 13)			_
CODE 798861048	FACILITY CODE	Ē		01/10/2008			
	11. THIS ITER	M ONLY APPLIES TO A	MEND	MENTS OF SOLICITATIONS			
The above numbered solicitation is amended as set for				• =		is not e	
Offers must acknowledge receipt of this amendment p				ion or as amended, by one of the following me ceipt of this amendment on each copy of the of			
Items 8 and 15, and returning co separate letter or telegram which includes a reference	•			•			
THE PLACE DESIGNATED FOR THE RECEIPT OF							
virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is receive				by telegram or letter, provided each telegram of	or letter r	makes refe	rence
12. ACCOUNTING AND APPROPRIATION DATA (If rec		ing nour and date speci	1100				
No Change to accounting data							
13. THIS ITEM ONLY APPLIES TO N	AODIFICATION OF	CONTRACTS/ORDERS	S. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DI	ESCRIB	ED IN ITEM	14.
CHECK ONE A THIS CHANGE ORDER IS ISSUED.							
ORDER NO. IN ITEM 10A.	PURSUANT TO: (	Specify authority) THE	CHAN	GES SET FORTH IN ITEM 14 ARE MADE IN '	THE CO	NIRACT	
B THE ABOVE NUMBERED CONTRA	CT/ORDER IS MC	DDIFIED TO REFLECT 1	THE A	DMINISTRATIVE CHANGES (such as changes	in navi	na office	
appropriation date, etc.) SET FORTI	H IN ITEM 14, PUI	RSUANT TO THE AUTI	HORIT	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	,,	.,	
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED II	NTO PURSUANT TO AL	UTKŌF	RITY OF:			
D OYUED (County have all modification							
D. OTHER (Specify type of madification	• •		_ 4 . 4 .	(M 0007)			
X   Section I, DEAR 970.							
E. IMPORTANT: Contractor X is not.		sign this document and					
14 DESCRIPTION OF AMENDMENTAMODIFICATION  A. The purpose of this modi		-		· · · · · · · · · · · · · · · · · · ·		rizati	one
listed below:	TICACION	15 CO INCOL	POL	ice the contract work At	ICHOI	.ızacı	Olis
risced below.							
1) No. KC/SR1/3, Rev 5, for	Basic Ene	erav Sciences	s -	Energy Frontier Research	h Ce	onters	(See
Attachment 1)		,		-morgy tromorer mededic			(000
2) No. KP W SR1 3, Rev 3, fo	or Biologi	cal and Envi	iror	mental Persarch (See At	-tack	mont	21
	-				. cacı	menc	2)
3) No. IN13012, Rev 6, for E							
4) No. HI-410003-13, Rev 5,			-				
5) No. AF/0105/13/AL/50, for		=	-				
6) No. SL-410003-13, Rev 3,							
7) No. 410003-Tech Supt, Rev	, 2, SRNL	Technical Su	uppo	ort (See Attachment 7)			
Continued							
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refer	enced in Item 9A or 10A		retofore changed, remains unchanged and in the NAME AND TITLE OF CONTRACTING OFF			
THE CONTRACTOR OF STORES (1790 OF PRINT)					IVER (1)	ype or print	,
				mes Lovett	1		
15B. CONTRACTOR/OFFEROR	]	15C. DATE SIGNED	16B/	UNITED STATES OF MERICA	/	16	C. DATE SIGNED
			15	L W SA		_   c	9/11/201
(Signature of person authorized to sign)			1/	(Signature of Contracting Officer)			
NSN 7540-01-152-8070				' <u>s</u>	TANDA	RD FORM	30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE O	F
	DE-AC09-08SR22470/0391	2	2

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	8) No. WW-410003-13, Rev 3, for Wind and	]	Πİ		
	Hydropower Technologies Program (See Attachment 8)				
	The above reference contract work authorizations				
	are provided as Attachment 1 through Attachment		ll		
	8, hereto. Funds were allocated under FINPLAN	1			
	No. 25 for Fiscal Year 2013, by separate				
	modifications.	]			
			ΙÍ		
	B. This modification formally incorporates the		il		
	above referenced contract work authorizations as part of the contract. As stated under DEAR		ΙI		
	970.5211-1 Work Authorization (May 2007),	l	1 1		
	paragraph (b), the work authorization, whether				
	issued bilaterally or unilaterally shall become a				
	part of the contract.		1 1		
		1			
	C. The contract estimated value and all other				
	terms and conditions remain unchanged.				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION LE CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
			<u> </u>	_ 1 1 1
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE		QUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
0392	09/18/2013		M003015	
6 ISSUED BY CODE	00901	7. AI	OMINISTERED BY (If other than Item 6)	CODE 00901
Savannah River Operations		Sav	annah River Operation	S
U.S. Department of Energy			<ol><li>Department of Energ</li></ol>	
Savannah River Operations		Sa	vannah River Operation	S
P.O. Box A			D. Box A	
Aiken SC 29802		Ail	ken SC 29802	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	I, county, State and ZIP Code)	(x) 9	A AMENDMENT OF SOLICITATION NO.	
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLC			
Attn: LLOYD CLEVINGER	•	9	B. DATED (SEE ITEM 11)	
203 LAURENS ST SW				
AIKEN SC 298012421		<u> </u>	A MODICIOATION OF CONTRACTIONS	
		×  c	DA MODIFICATION OF CONTRACT/ORDED DE-AC09-08SR22470	:R NO.
		[		
			CB. DATED (SEE ITEM 13)	····
CODE 709061049	FACILITY CODE			
798861048			01/10/2008	_
The above numbered solicitation is amended as set for			MENTS OF SOLICITATIONS	extended, is not extended
CHECK ONE  A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	quired) Appropriation Da HODIFICATION OF CONTRACTS. PURSUANT TO: (Specify authori CT/ORDER IS MODIFIED TO RE H IN ITEM 14, PURSUANT TO T	NORDERS. IT	MODIFIES THE CONTRACT/ORDER NO. AS A SET FORTH IN ITEM 14 ARE MADE NOMINISTRATIVE CHANGES (such as charty OF FAR 43.103(b)	IN THE CONTRACT
D. OTHER (Specify type of modification	and authority)			
			0	
E. IMPORTANT: Contractor X is not.	is required to sign this docu			
14 DESCRIPTION OF AMENDMENT/MODIFICATION	. •	• .	•	
A. The purpose of this modi		-		Block 4, of
Modification 0391, as read "	13EM002925," to	read "l	3EM003015."	
B. The contract estimated v	alue and all oth	er term	s and conditions remai	n unchanged.
Except as provided herein, all terms and conditions of the	ne document referenced in Item 9	9A or 10A, as h	eretofore changed, remains unchanged and	l in full force and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)		16/	NAME AND TITLE OF CONTRACTING	FFICER (Type or print)
		1,1	mes Lovett	
450 00 VED 10 TO 1			~ / /	1
15B. CONTRACTOR/OFFEROR	15C. DATE SIC	SNED   168	UNITED STATES OF AMERICA	16C. DATE SIGNE
		17	Janes Tintle	09/18/201
(Signature of person authorized to sign)			(Signature of Contracting Official)	

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAG	E OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	. REQ	UISITION/PURCHASE REQ. NO.		CT NO. (If applicable)
0393	09/18/20	13				
6. ISSUED BY CODE			7. ADI	(INISTERED BY (If other than Item 6)	CODE 0	0901
Savannah River Operations			Sava	annah River Operations	-	
U.S. Department of Energy		(	U.S	Department of Energy		
Savannah River Operations			Sava	annah River Operations		
P.O. Box A				Box A		
Aiken SC 29802		1	Aik	en SC 29802		
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	Z(P Code)	x) 9A.	AMENDMENT OF SOLICITATION NO.		
	TONO 116	, <u>ˈ</u>	Ť			
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLC	·	QB.	DATED (SEE ITEM 11)		
Attn: LLOYD CLEVINGER 203 LAURENS ST SW				order (occurrent try		
203 LAURENS SI SW AIKEN SC 298012421						
HIREN SC 298012421		,	, 10/ DE	A MODIFICATION OF CONTRACT/ORDER N C-AC09-08SR22470	<b>O</b> .	
			٦	. ACO		
		ļ	101	DATED (SEE ITEM 13)		
CODE 798861048	FACILITY COL	<del></del>	ì	1/10/2008		
730001040			- 1	ENTS OF SOLICITATIONS	<del></del>	
The above numbered solicitation is amended as set f				_ <del></del>	wled Dis	a not extended.
Offers must acknowledge receipt of this amendment				•		
				eipt of this amendment on each copy of the off		
separate letter or telegram which includes a reference						
THE PLACE DESIGNATED FOR THE RECEIPT OF						
virtue of this amendment you desire to change an off				by telegram or letter, provided each telegram or	r letter make	es reference
to the solicitation and this amendment, and is receive		ning neur and date specifi	18 <b>0</b> .			
12. ACCOUNTING AND APPROPRIATION DATA (If re		ation Data				
No Change to Accounting and				DOUBLE THE CONTRACTORDED NO. 46 OF	0000000	1 CTEN 44
13. IRIS HEM ONLY APPLIES TO R	KODIFICATION O	r CUNTRACTS/URDERS	. 11 86	DDIFIES THE CONTRACT/ORDER NO. AS DE	acrabed ii	TICM 14.
CHECK CINE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE C	CHANC	ES SET FORTH IN ITEM 14 ARE MADE IN T	HE CONTR	ACT
B. THE ABOVE NUMBERED CONTRA	CT/ORDER IS M	ODIFIED TO REFLECT TO	HE AD	MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).	in paying of	
appropriation date, etc.) SET FORT	'H IN ITEM 14, PL	JRSUANT TO THE AUTH	ORITY	OF FAR 43.103(b).		
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED	INTO PURSUANT TO AU	THOR	ITY OF:		
D. OTHER (Specify type of modification	••					
X   Section I, DEAR 970						
E. IMPORTANT: Contractor Sis not.		o sign this document and				
14. DESCRIPTION OF AMENDMENT/MODIFICATION		<del>-</del>	-	<u>-</u>		
A. The purpose of this modi	ification	is to incorp	ora	te the Contract Work Au	thoriz	ations
listed below:						
1) No. IN13012, Rev 5a, for	Energy T	hreat (See At	tac	hment 1)		
2) No. 89X0319, Rev 8, for I						
		=			00 N++	achmont 21
3) No. WW-410003-13, Rev 4,	TOT WING	and nydropow	er	rechnologies Flogram (5	ee ALL	acriment 3)
						_
The above reference contract				-		
Attachment 3, hereto. Funds	were all	ocated under	F	INPLAN numbers 25 and 2	7 for	Fiscal
Year 2013, by separate modif	fications	•				
Continued						
Except as provided herein, all terms and conditions of t	the document refe	renced in Item 94 or 104	ga he	nicione channed remains unchanned and in 6	ill force and	offect
15A. NAME AND TITLE OF SIGNER (Type or print)	coodination	TOTAL STREET		NAME AND TITLE OF CONTRACTING OFFI		
and the second s			1			F
			Jag	nes Lovett		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	168	WHITED STATES OF AMERICA		16C. DATE SIGNED
			s	gnature on File		
(Signature of person authorized to sign)	<del></del>		<b>/</b> -	(Signeture of Contracting Officer)		09/18/2013

ΠNU	JATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-AC09-08SR22470/0393				PAGE 2	OF 2
	EROR OR CONTRAC					-	_
		SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOI (1	INT F)
NAF- 0	B. This me above reference of the 970.5211-1 paragraph issued bill part of the C. The contract of the contract		1				
1-152-6	1007						

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CON	TRACT	1. CONTRACT ID CODE	PAGE OF P	AGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DA	TE [4.1	REQUISITION/PURCHASE REQ. NO.	1   1   1   1   1   1   1   1   1   1	2 f applicable)
0394	09/17/2013	, 13	EM003079		.,,
	00901		ADMINISTERED BY (If other than Item 6)	CODE   00901	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U S P	avannah River Operations .S. Department of Energy avannah River Operations .O. Box A iken SC 29802		
8. NAME AND ADDRESS OF CONTRACTOR (No., street	county, State and ZIP	Code) ()	9A AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		(x)	9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NOTE - ACO 9 - 08 SR 2 2 4 7 0  10B. DATED (SEE ITEM 13)	o.	
CODE 798861048	FACILITY CODE		01/10/2008		
770001040		INI V ABBI IEQ VA ANE	NOMENTS OF SOLICITATIONS		
CHECK ONE A THIS CHANGE ORDER IS ISSUED IN ORDER NO. IN ITEM 10A.	d prior to the opening quired)  ODIFICATION OF C	n hour and date specified  Net I  ONTRACTS/ORDERS.  ecify authority) THE CH	<u> </u>	30, 379, 180.  SCRIBED IN ITEM 14  HE CONTRACT	09
D. OTHER (Specify type of modification X I.53 DEAR 970.5232-4	and authority)				
		gn this document and re		- effica	
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF fication i with SRNS	section headings, includes to obligat FINPLAN 27.	ing solicitation/contract subject matter where feasit e funds to CLIN 0001 (Dep Funds in the amount of	be) artment of \$30,379,180	).09
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,148,504,586.11.	entitled	"Obligation	of Funds," is hereby revi	sed to inc	
Continued			ms and conditions remain		
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document referen:	[1	s heretofore changed, remains unchanged and in fu 6A NAME AND TITLE OF CONTRACTING OFFIC Marie A. Garvin		
158. CONTRACTOR/OFFEROR	150		6B. UNITED STATES OF AMERICA		DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		/17/2013

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-AC09-08SR22470/0394	2	2			

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

M NO.	SUPPLIES/SERVICES	QUANTITY (C)	UNIT (D)	UNIT PRIČE	AMOUNT
A)	(B)	(0)	נטו	(E)	(F)
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	AGE OF PAGES		
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REC	L			(If applicable)
0395	09/17/20	13	13EN	1003079	1		
	00901		7. AD	MINISTERED BY (if other than Item 6)	CODE 0	090	ī
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802			U.S Sav P.O	annah River Operations . Department of Energy annah River Operations . Box A en SC 29802	<b>L</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., street	county, State and	ZIP Code)	(J) 9A	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		:	98 x 10	DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORDER NE-ACO9-08 SR 22 4 7 0  B. DATED (SEE ITEM 13)	<b>o</b> .		
CODE 798861048	FACILITY COD	E	-   0	01/10/2008			
	11. THIS ITE	M ONLY APPLIES TO A	MEND	MENTS OF SOLICITATIONS			
CHECK ONE A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	er already submitted prior to the oper quired)  OBIFICATION O	ed, such change may be ning hour and date specified.  Ne to the contracts/orders (Specify authority). THE	Inc S. IT N	by telegram or letter, provided each telegram of the contraction of th	r letter make 164,997 SCRIBED IN	7.81	rence
B. THE ABOVE NUMBERED CONTRAL appropriation date, etc.) SET FORTH  C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification	IT IS ENTERED I			OMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).  RITY OF:	in paying of	fice,	
X I.53 DEAR 970.5232-4	•	ion of Funds	(De	ec 2000)			
E. IMPORTANT: Contractor 🗵 is not.		sign this document and	_		office.		<del>-</del>
14 DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi Commercial), in accordance whereby obligated to CLIN 000 \$4,748,941,240.09.	(Organized by U fication ith SRNS	CF section headings, inc is to obliga FINPLAN 27.	ate Fu	solicitation/contract subject matter where feasi funds to CLIN 0001 (Rei ands in the amount of \$1	mbursa 64,997		
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,148,669,583.92.	entitle	d "Obligation	n of	Funds," is hereby revi	sed to		
C. The contract estimated v						-	
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refe	renced in Item 9A or 10A	16A	protoforo changed, remains unchanged and in for NAME AND TITLE OF CONTRACTING OFFICE A. Garvin			
158 CONTRACTOR/OFFEROR		15C. DATE SIGNED	┷	UNITED STATES OF AMERICA		1	C. DATE SIGNED
(Signature of person authorized to sign)			_լ.⊾	(Signature of Contracting Officer)		_[ 0	9/17/2013
				Δ.	TANDAGO (		20 (00) 40 02)

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE O	F
CONTINUATION SHEET	DE-AC09-08SR22470/0395	2	2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
····	FOB: Destination		(2)	(E)	(E)
	FOB: Destination				
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES		
2. AMENDMEI	NT/MODIFICATION NO.	3. EFFECTIVE	DATE T	4. F	REQUISITION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
0396		09/17/20	113	13	EM003079	l	
6. ISSUED BY	CODE	00901		7. /	ADMINISTERED BY (If other than Item 6)	CODE O	0901
U.S. Dep	h River Operations partment of Energy h River Operations x A			U. Sa P.	avannah River Operations S. Department of Energy avannah River Operations O. Box A iken SC 29802	_	
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	, county, State and	ZiP Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.		
Attn: LI 203 LAUF	RIVER NUCLEAR SOLUT LOYD CLEVINGER RENS ST SW C 298012421	IONS, LLC	;		98. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER N DE-AC09-08 SR 2 2 4 7 0  10B. DATED (SEE ITEM 13)	0.	
CODE 70	8861048	FACILITY COD	E		01/10/2008		
		11. THIS ITE	M ONLY APPLIES TO A	ME	NOMENTS OF SOLICITATIONS		
virtue of this to the solicit	s amendment you desire to change an offs lation and this amendment, and is received TING AND APPROPRIATION DATA (If req	r atready submitt I prior to the oper uired)	ed, such change may be ning hour and date speci Ne t	ma fied I		2,141,4	85.47
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION C	F CONTRACTS/ORDERS	S. F	T MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN	ITEM 14.
CHECK ONE	B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS MI I IN ITEM 14, PU	ODIFIED TO REFLECT TO THE AUTH	THE	ANGES SET FORTH IN ITEM 14 ARE MADE IN 1  ADMINISTRATIVE CHANGES (such as changes RITY OF FAR 43 103(b).		
	C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED I	INTO PURSUANT TO AI	UTH	IORITY OF:		
x	D. OTHER (Specify type of modification I.53 DEAR 970.5232-4		ion of Funds	_,	Dec. 2000)		
E. IMPORTAN	<del>'</del>		o sign this document and			a office	
A. The for Oth \$2,141, \$4,748, B. As and Pricthe tot \$6,150, C. The Continue	purpose of this modi er Federal Agency), i 485.47 are hereby obl 941,240.09 to \$4,751, a result of this modi ce/Cost, paragraph B, al amount of funds ob 811,069.39. contract estimated v	fication n accordaigated to 082,725.5 fication entitled ligated alue and	is to obligance with SRN occin 0001, 56.  Part I - Sod "Obligation to the contra all other to	atons the choice of accordance of the choice	e funds to CLIN 0001 (Rei FINPLAN 27. Funds in the hereby increasing it from edule, Section B, Supplie of Funds," is hereby revit from \$6,148,669,583.92	s or S sed to to unchan	ervices increase ged.
15B. CONTRA	ACTOR/OFFEROR		15C. DATE SIGNED	ㅗ	Marie A. Garvin		16C. DATE SIGNED
	(Streethern of a great at the street				Marie A. Davi		09/17/2013

CONTINUATION SUFFE	REFERENCE NO. OF DO	ENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	DE-AC09-08SR224	70/0396	2	2

A NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
AMENDMENT OF SOLICITATION MODIFIC	ATION OF C	DNIRACI		1
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
0397	09/20/20	1 1	3EM003122	1
6. ISSUED BY CODE	00901		7. ADMINISTERED BY (If other than Item 6)	CODE 00901
Savannah River Operations			Savannah River Operations	<u> </u>
U.S. Department of Energy			J.S. Department of Energy	
Savannah River Operations			Savannah River Operations	
P.O. Box A			P.O. Box A	
Aiken SC 29802		1	Aiken SC 29802	
				·
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Codo) (x	9A. AMENDMENT OF SOLICITATION NO.	
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLO	:		
Attn: LLOYD CLEVINGER			9B. DATED (SEE ITEM 11)	
203 LAURENS ST SW				
AIKEN SC 298012421			104 MODIFICATION OF CONTRACT/ORDER N	
		×	10A MODIFICATION OF CONTRACT/ORDER N DE-AC09-08SR22470	<b>o</b> .
			10B. DATED (SEE ITEM 13)	
CODE 798861048	FACILITY COL	DE	01/10/2008	
798801048			ENDMENTS OF SOLICITATIONS	
				and and the second and and and
The above numbered solicitation is amended as set for Offers must acknowledge receipt of this amendment p		•		_
• .		· ·	ing receipt of this emendment on each copy of the off	
separate letter or telegram which includes a reference	-		• ,	
THE PLACE DESIGNATED FOR THE RECEIPT OF				
virtue of this amendment you desire to change an offe				<u> </u>
to the solicitation and this amendment, and is received				Total manus rolai a Ro
12. ACCOUNTING AND APPROPRIATION DATA (If rec	quired)		<del></del>	
No Change to Accounting and	Appropri	ation Data		
·			IT MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN ITEM 14.
A THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE C	HANGES SET FORTH IN ITEM 14 ARE MADE IN T	HE CONTRACT
B. THE ABOVE NUMBERED CONTRAL appropriation date, etc.) SET FORTI	CT/ORDER IS M H IN ITEM 14, PI	ODIFIED TO REFLECT TO	HE ADMINISTRATIVE CHANGES (such as changes DRITY OF FAR 43.103(b).	in paying office,
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED	INTO PURSUANT TO AU	THORITY OF:	
D. OTHER (Specify type of modification	and authority)			
E. IMPORTANT: Contractor is not.	X) is required t	o sign this document and r	return 1 copies to the issuin	g office.
14. DESCRIPTION OF AMENDMENT/MODIFICATION				tie )
The purpose of this modifica		- ·	and and the second of the seco	J.C.,
The purpose of this modified		as lollows.		
3 D	0 15 5			<b>F</b> O <b>O</b> 11
			on, and Contract Clause I.	•
Funds, the SRNL Minor B&R ou	tlined i	n Attachment	<ol> <li>"No Year Funds," and At</li> </ol>	tachement 2, "1
Year Funds," for work author	izations	associated w	ith GD B&Rs, are hereby ex	tended through
9/30/2014; subject to the av			•	•
-,,,,,,,,		-,		
B. All other Terms and Con	ditions	remain the sa	me.	
Nata mais mais and		• • • • • • • • • • • • • • • • • • •	200 - 100 11 11 11 11 11 11 11 11 11 11 11 11	and the part of
		<del>-</del>	ing availability of funds	
of Performance only. Contra	ct work	authorization	s for FY 2014, will be inc	orporated by
Continued				
Except as provided herein, all terms and conditions of the	he document refo	renced in Item 9A or 10A,	as heretofore changed, remains unchanged and in fi	uli force and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)			16A NAME AND TITLE OF CONTRACTING OFFI	
		vinger II		
	Manager	Contracts	James Lovett	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. PNITED STATES OF AMERICA	16C. DATE SIGNED
How lill Lune	2	0000	Van Alinak	~/ /
(Signature of porson authorized to sign)	<b>7</b> —	9-20-13	(Significance of Contracting Official)	<u> </u>
11011 75 15 15 15 15 15 15 15 15 15 15 15 15 15				TANDADO CODA CONTRADA

NSN 7540-01-152-8070 Previous edition unusable

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

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE 0	F
CONTINUATION SHEET	DE-AC09-08SR22470/0397	2	2

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	separate modifications. Funds for work		1		
	authorizations will continue to be allocated upon				
	availability of funds under SRNS FIN PLANs for FY				
	2014, in accordance to the terms and conditions				
	of subject contract.				
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SRNL Minor B&Rs for "No Year GD Funds"

No Year Money

#### SRNL Minor B&R Cost vs Approved Fin-Plan FY2013

#### Costs Posted thru 07/31/2013 Month Ending

TERMINAL		Approv	ed Financial Plan # 23			
B&R NUMBER	B&R TITLE	C/O Funds	FY13 Funding	Total	Balance	POP
		THE RESERVE OF THE PARTY OF THE	runding	360,480.05		POP 09/30/13
GD25403000	Training & Awareness(GPP) Obj CI 32002	360,480.05				POP 9/30/13
GD30030100	Energy and Proliferation (FO FT)	200,881.16		200,881.16		
GD30030100	Energy and Proliferation (FO FT)	0.00		0.00		POP 9/30/13
	FO FT Sub Total	200,881.16	0.00	200,881.16	12,109.60	
	GD30030100 Sub Total	200,881.16	1,870,000.00	2,070,881.16	450,920.80	
GD30040000	Tech support to Nuclear Terrorism (TF FT)	841.03	The state of the s	841.03	841.03	POP 9/30/13
GD30060000	HM(Collection Mgmt) (TF FT)	96,018.11		96,018.11	44,038.51	POP 09/30/13
GD30090000	WMD & Assemetric Threat (FO FT)	110,279.40		110,279.40	51,844.19	POP 9/30/13
GD30090000	WMD & Assemetric Threat (FO FT)	0.00		0.00	(19,854.82)	POP 9/30/13
	FO FT Sub Total	110,279.40	0.00	110,279.40	31,989.37	
	GD30090000 Sub Total	110,279.40	0.00	110,279.40	31,989.37	
GD30110000	Energy & Threat (Applied Tech Prog)(FO FT)	32,211.17	1,13,925	32,211.17	1,070.47	POP 9/30/13
GD30120000	Energy and Threat (Science & Tech)(FO FT)	1,937.20		1,937.20	1,937.20	POP 9/30/13
GD30150000	Nuclear Materials Information Prog FO FT)	62,742.89		62,742.89	62,742.89	POP 9/30/13
GD30150000	Nuclear Materials Information Prog (FO FT)	0.00		0.00	(59,779.22)	POP 9/30/13
	FO FT Sub Total	62,742.89	0.00	62,742.89	2,963.67	
	GD30015000 Sub Total	62,742.89	715,000.00	777,742.89	178,502.69	

## Attachment 2

SRNL Minor B&Rs for "1 Year GD Funds"



## SRNL Minor B&R Cost vs Approved Fin-Plan FY2013

## Costs Posted thru 07/31/2013 Month Ending

TERMINAL	MINAL Approved Financial Plan # 23		3			
B&R NUMBER	B&R TITLE	C/O FY13 Funds Funding		Total	Balance	POP
GD25409800	M&O SCIO(C2 FT)	183,356.72		183,356.72	24,017.15	POP 8/31/13
GD25409800	M&O SCIO(01 FT)	1.555	314,523.00	314,523.00	40,006.43	POP 8/31/14
GD30030100	Energy and Proliferation (01 FT)		1,870,000.00	1,870,000.00	438,811.20	POP 09/30/13
GD30030100	Energy and Proliferation (C2 FT)	1,043,837.44	State and the Assessment and	1,043,837.44	1,056,687.32	GD B&R Time Limited Appr
GD30030100	Energy and Proliferation (C2 FT)	(1,043,837.44)		(1,043,837.44)	(1,056,687.32)	POP 8/31/13
	C2/01 FT Sub Total	0.00	1,870,000.00	1,870,000.00	438,811.20	Andreas Comments of the Section of t
GD30060000	HM(Collection Mgmt) (01 FT)		50,400.00	50,400.00	49,724.35	POP 09/30/13
GD30060000	HM(Collection Mgmt) (C2 FT)	0.00	35.44.7.15.65.44.65	0.00	0.00	POP 8/31/13
GD30090000	WMD & Assemetric Threat ( 01 FT)		145,000.00	145,000.00	18,411.17	POP 09/30/13
GD30090000	WMD & Assemetric Threat (C2 FT)	264,255.45		264,255.45	264,255.45	POP 8/31/13
GD30090000	WMD & Assemetric Threat (C2 FT)	(264,255.45)		(264,255.45)	(264,255.45)	POP 8/31/13
	C2 FT Sub Total	0.00	0.00	0.00	0.00	
	GD30090000 Sub Total	110,279.40	0.00	110,279.40	31,989.37	
GD30150000	Nuclear Mat Information Prog (01 FT)		715,000.00	715,000.00	175,539.02	POP 09/30/13
GD30150000	Nuclear Materials Information Prog (C2 FT)	267,278.69		267,278.69	264,348.73	POP 8/31/13
GD30150000	Nuclear Materials Information Prog (C2 FT)	(267,278.69)		(267,278.69)	(264,348.73)	POP 8/31/13
	C2/01 FT Sub Total	0.00	715,000.00	715,000.00	175,539.02	
	GD30015000 Sub Total	62,742.89	715,000.00	777,742.89	178,502.69	
GD3016000	Integrated Uranium Enrichment (C2 FT)	1,228.07		1,228.07	1,228.07	POP 8/31/13
GD5001000	Cyber,IT and Network Security (01 FT)		152,500.67	152,500.67	134,287.16	POP 8/31/14

2 AMBIGUENTACOPIECATION NO. 1 SPECIMEN DATE 1. RECOUNTS COME 0.924/2013 1.328/00318 9. 1328/00318 9.	AMENDME	ENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		1. CONTRACT ID CODE	1	SE OF PAGES
Tables By  Tables By	2. AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	QUISITION/PURCHASE REQ. NO.		
SAVANNAH RIVER OPERATIONS  1. S. Department of Energy  SAVANNAH RIVER OPERATIONS  1. S. Department of Energy  SAVANNAH RIVER OPERATIONS  1. S. Department of Energy  SAVANNAH RIVER OPERATIONS  2. DEPARTMENT OF Energy  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER SAVANNAH SOLUTIONS  THE ALEXANDER SAVANNAH SOLUTION SAVANNAH SAVANNAH SOLUTION SAVANNAH SAVANN	0398		09/24/2013	13EM	1003185		
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Riken SC 29802  ENMEANDACESS OF CONTRACTOR PM. Break Cours, State and 2P Code ENMEANDACESS OF CONTRACTOR PM. Break Cours, State and 2P Code ENMEANDACESS OF CONTRACTOR PM. Break Cours, State and 2P Code ENMEANDACESS OF CONTRACTOR PM. Break Cours, State and 2P Code ENMEANDACESS OF CONTRACTOR PM. Break Cours, State and 2P Code ENMEANDACES OF CONTRACTOR PM. Break Cours, State and 2P Code ENMEANDACE COURT TO THE STATE OF COURT TO THE COLUMN TO TH		Y CODE		7. AD	MINISTERED BY (If other than Item 6)	CODE 0	0901
SAVANNAR RIVER NUCLEAR SOLUTIONS, LLC Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421    TOA MODIFICATION OF CONTRACTIONDER NO DE-RC03 - 095822410   TOB DATED (SEE ITEM 15)   TOB DATED (SEE	U.S. De Savanna P.O. Bo	ah River Operations epartment of Energy ah River Operations ox A		U.S Sav P.O	. Department of Energy annah River Operations . Box A		
Attent LLOYD CLEVINGER 203 LAURENS ST SW  AIKEN SC 298012421    TOTAL PROCESSES ST SW	8. NAME AND	D ADDRESS OF CONTRACTOR (No., street,	, county, State and ZIP Code)	(x) <sup>9A</sup>	AMENDMENT OF SOLICITATION NO.		
17. THIS HEM 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 under acknowledge receipt of this amendment prior to the hour and date specified for receipt of Offers under 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 designation which includes a reference to the solicitation and remembered prior to the present of the remembers of the property of the offers and the submitted of (c) By separate letter or designation includes a reference to the solicitation and emandment runders. Part THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFERS. It by thus of this amendment, and is received prior to the opening hour and date specified.  12. ACCOUNTING MAD APPROPRIATION DATA (If required) No Change to Accounting and Appropriation Data  13. THIS THEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/SINDERS. IT MODIFIES THE CONTRACT/GODER NO. AS DESCRIBED IN ITEM 14.  14. THIS THEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/SINDERS. IT MODIFIES THE CONTRACT OFFER AS 1.  25. A THIS CHANGE GORDER IS SUBJECT PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT  26. A THIS CHANGE GORDER IS SUBJECT PURSUANT TO APPROPRIATION OF AMENDMENT AND THE ADMINISTRATIVE CHANGES (such as changes in paying office,  27. A THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  28. IN CHANGE (Specify type of modification and authority)  29. C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  29. C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  29. C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUA	Attn: Li 203 LAU	LOYD CLEVINGER RENS ST SW	IONS, LLC	x 10	A. MODIFICATION OF CONTRACT/ORDER I E-AC09-08SR22470	NO.	
The above numbered solicitation is amended as set forth in lien II. The hour and date specified for respit of Offers    The above numbered solicitation is amended as set forth in lien II. The hour and date specified for respit of Offers   Set	CODE 7	98861048	FACILITY CODE	1   0	01/10/2008		
The Boxon numbered solicitation is smoothed as set forth in liem 16. The box and date specified for receipt of Offer Offers must adverside groups of this amendancy price to the hour and state specified in the solicitation or as smeared, by one of the following cooles of the sumendancy control of the sumendancy of the price of the sumendancy of the sumendancy of the sumendancy of the offers submitted to (c) By temporal before the buggets where the buggets where the buggets where the buggets where the buggets of the sumendancy value of the value value of the value value of the value value value value of the value			11. THIS ITEM ONLY APPLIES TO	1 1	•		
D. OTHER (Specify type of modification and authority)  E. IMPORTANT: Contractor	virtue of the to the solic 12. ACCOUN NO Char	is amendment you desire to change an offe itation and this amendment, and is received iTING AND APPROPRIATION DATA (If required to Accounting and 13. THIS ITEM ONLY APPLIES TO MATHER CONTRACTION OF THE ABOVE NUMBERED CONTRACTION Appropriation date, etc.) SET FORTH	releady submitted, such change may be prior to the opening hour and date specialized)  Appropriation Data  ODIFICATION OF CONTRACTS/ORDER  PURSUANT TO: (Specify authority) THE	e made cified. RS. IT M E CHAN	by telegram or letter, provided each telegram of teleg	or letter make	N ITEM 14.
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject metter where feasible.)  The purpose of this modification is to correct the extended Period of Performance for GD B&Rs under Modification 0397, and incorporate four contract work authorizations.  Accordingly, the following applies:  A. Under Modification 0397 the work authorizations associated with GD B&Rs, is changed from "9/30/2014" to read "08/31/2014" for Attachment 2 work authorizations only, subject to the availability of funds. The period of performance for Mod 0397, Attachment 1 work authorizations remains at 9/30/2014.  B. The contract work authorizations listed below are hereby incorporated, as attachments 1 through 4, hereto.  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)  John W. Temple, Senior Vice President  Contracts Management  15C. DATE SIGNED  15C. DATE SIGNED  15C. DATE SIGNED  15C. DATE SIGNED  STANDARD FORM 30 (REV. 10-8)  STANDARD FORM 30 (REV. 10-8)  STANDARD FORM 30 (REV. 10-8)							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject metter where feasible.)  The purpose of this modification is to correct the extended Period of Performance for GD B&Rs under Modification 0397, and incorporate four contract work authorizations.  Accordingly, the following applies:  A. Under Modification 0397 the work authorizations associated with GD B&Rs, is changed from "9/30/2014" to read "08/31/2014" for Attachment 2 work authorizations only, subject to the availability of funds. The period of performance for Mod 0397, Attachment 1 work authorizations remains at 9/30/2014.  B. The contract work authorizations listed below are hereby incorporated, as attachments 1 through 4, hereto.  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)  John W. Temple, Senior Vice President  Contracts Management  15C. DATE SIGNED  15C. DATE SIGNED  15C. DATE SIGNED  15C. DATE SIGNED  STANDARD FORM 30 (REV. 10-8)  STANDARD FORM 30 (REV. 10-8)  STANDARD FORM 30 (REV. 10-8)	E IMPORTAL	NT: Contractor Dis not	x is required to sign this document an	nd return	1 conjes to the issuir	na office	
from "9/30/2014" to read "08/31/2014" for Attachment 2 work authorizations only, subject to the availability of funds. The period of performance for Mod 0397, Attachment 1 work authorizations remains at 9/30/2014.  B. The contract work authorizations listed below are hereby incorporated, as attachments 1 through 4, hereto.  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)  John W. Temple, Senier Vice President  Contracts Management  15C. DATE SIGNED  15C. DATE SIGNED  (Signature of person authorized to sign)  NSN 7540-01-152-8070  STANDARD FORM 30 (REV. 10-8)	14. DESCRIPTION The pur B&Rs un	PTION OF AMENDMENT/MODIFICATION rpose of this modification 0397	(Organized by UCF section headings, in tion is to correct t , and incorporate fo	cluding he e	solicitation/contract subject matter where fease extended Period of Perfo	ormance	for GD
through 4, hereto.  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)  John W. Temple, Senier Vice President  Contracts Management  15C. DATE SIGNED  (Signature of person authorized to sign)  NSN 7540-07-152-8070  STANDARD FORM 30 (REV. 10-8)	from "9 the ava	0/30/2014" to read "08 silability of funds.	/31/2014" for Attach The period of perfor	ment	2 work authorizations	only,	subject to
Tontracts Management  15B. CONTRACKOR/OFFEROR  15C. DATE SIGNED  16B UNITED STATES OF AMERICA  16C. DATE SIGNED  16C. DATE SIGNED  16C. DATE SIGNED  (Signature of person suthorized to sign)  NSN 7540-07-152-8070  STANDARD FORM 30 (REV. 10-8)	through Continu Except as pro	a 4, hereto.  ned  rovided herein, all terms and conditions of the  AND TITLE OF SIGNER (Type or print)	e document referenced in Item 9A or 10	IA, as he	eretofore changed, remains unchanged and in (	full force and	l effect.
NSN 7540-07-152-8070  9/25/13  9/25/13  Aurest and person authorized to sign)  9/25/13  9/25  STANDARD FORM 30 (REV. 10-8)	125 2 -	Contracts Ma	nagement				
Previous edition unusable Prescribed by GSA	NSN 7540-0	(fignature of person authorized to sign) 7-152-8070		168	(Signature of Contracting Spacer)		

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	DE-AC09-08SR22470/0398	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
**/			2,	(1)	
	1) No. IN13012, Rev 7, for Energy Threat (See				
	Attachment 1)	l			
	2) No. 89X0319, Rev 9, for Fuel Cycle Technologies (See Attachment 2)	ł			
	3) No. PC410003, Rev 6, for Packaging and	ļ			
	Certification and Packaging and Transportation	ł			
	Operation Support (See Attachment 3)	ł			
	4) No. 410003-TechSup, Rev 3, SRNL Technical	ł			
	Support (Attachment 4)				
	Funds were previously allocated under FINPLAN	ŀ			
	numbers 25 and 27 for Fiscal Year 2013 for	ļ			
	contract work authorizations 2, 3 and 4, by	į.			
	separate modifications. In addition, the IN				
	Contract Work Authorization provides direction only, regarding the use of funds previously				
	obligated under the contract.				
	C. This modification formally incorporates the				
	above referenced contract work authorizations as part of the contract. As stated under DEAR				
	970.5211-1 Work Authorization (May 2007),				
	paragraph (b), the work authorization, whether	ĺ			
	issued bilaterally or unilaterally shall become a				
	part of the contract.				
	D. The contract estimated value and all other				
	terms and conditions remain unchanged.	ļ			
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AMENDMENT OF SOLICITATION/MODIFIC	1. CONTRACT ID CODE		PAGE OF PAGES			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4 RFO	UISITION/PURCHASE REQ. NO.	5 PR	DJECT NO. (If a	16
0399	See Block 16C		003184		50 <u>-</u> 01 NO. (II 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6. ISSUED BY CODE	00901	7. ADN	MINISTERED BY (If other than Item 6)	CODE	00901	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sava P.O	annah River Operations Department of Energy annah River Operations Box A en SC 29802			
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LLC	9B.	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NO.—ACO9—08 SR 22 4 7 0  B. DATED (SEE ITEM 13)	0.		
CODE 798861048	FACILITY CODE	1 0	1/10/2008			
	11. THIS ITEM ONLY APPLIES TO A	MENDA	IENTS OF SOLICITATIONS			
Items 8 and 15, and returning copseparate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF 0 virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If req No Change to Accounting and	to the solicitation and amendment numb DFFERS PRIOR TO THE HOUR AND D r already submitted, such change may be d prior to the opening hour and date spec uuired)	ers. FA ATE SPI e made l	ECIFIED MAY RESULT IN REJECTION OF YO	BE RE	CEIVED AT FER. If by	, 
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDER	S. IT M	DDIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBI	ED IN ITEM 14.	
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH X  C. THIS SUPPLEMENTAL AGREEMEN	CT/ORDER IS MODIFIED TO REFLECT I IN ITEM 14, PURSUANT TO THE AUT T IS ENTERED INTO PURSUANT TO A	THE AD HORITY	MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).  TY OF:  Directives (Dec 2000) (Devia	in payiı	ng office,	nt 003)
D. OTHER (Specify type of modification	and authority)		_			
E. IMPORTANT: Contractor  is not,	x is required to sign this document an	d return	1 copies to the issuing	office.		
14 DESCRIPTION OF AMENDMENTAMODIFICATION A. The purpose of this modi Orders applicable to this combined by the second of the sec	fication is to revis ntract under Section List B/Applicable D	e an J. OE D	d update the list of DO	E Di Amer	ndment 00	
C. All other terms and cond						
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)			retofore changed, remains unchanged and in fu			
John W. Temp Contracts Man			les Lovett		,, · panty	
15B. CONTRACTOR/OFFEROR  Assignature of person sutherized to sign)	2- 15C. DATE SIGNED 9/26/13	1687	(Signature of Contracting Oglogy)		- 9/	ATE SIGNED
NSN 7540-01-152-8070 Previous edition unusable	• •	/			RD FORM(\$0 (R d by GSA	EV. 10-83)

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

#### PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

#### **SECTION J - LIST OF ATTACHMENTS**

#### APPENDIX E

# APPENDIX E – LIST B/APPLICABLE DOE DIRECTIVES AND ORDERS (AMENDMENT 003)

Pursuant to the clause in Section I entitled, DEAR 970.5204-2 "Laws, Regulations, and DOE Directives," the Contractor shall adhere to the ES&H requirements compliance process delineated in the Site Standards/ Requirements Identification Document (S/RID). For requirements other than ES&H, the contractor shall adhere to the existing DOE directive requirements that are the basis for established procedures and programs until authorized approvals are obtained to deviate from established requirements. The S/RID, and superseding versions thereof, are hereby incorporated by reference.

The Contracting Officer, or designated representative, may, from time to time via issuance of a Contract Administration Notice (CAN) or other means, revise the ES&H requirements and non ES&H requirements (i.e., List B as referred to in this clause).

The following is the DOE approved List B set of requirements as of 9/10/2013

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
10 CFR 1021	National Environmental Policy Act Implementing Procedures	
10 CFR 436	Federal Energy Management and Planning Programs	
10 CFR 707	Workplace Substance Abuse Programs at DOE Sites	
10 CFR 708	DOE Contractor Employee Protection Program	
10 CFR 71	Packaging and Transportation of Radioactive Material	
10 CFR 820	Procedural Rules for DOE Nuclear Activities	
10 CFR 830	Nuclear Safety Management	
10 CFR 835	Occupational Radiation Protection	
10 CFR 851	Worker Safety and Health Program	
10 CFR 962	Byproduct Material	
33 CFR 153	Control of Pollution by Oil and Hazardous Substances, Discharge Removal	
33 CFR 320	General Regulatory Policies	

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
33 CFR 322	Permits for Structures or Work in or Affected Navigable Waters of the United States	
33 CFR 323	Permits for Discharges of Dredged or Fill Material into Waters of the United States	<b>→</b> ••
33 CFR 325	Processing of Department of Army Permits	
33 CFR 326	Enforcement	
33 CFR 327	Public Hearings	<b></b>
33 CFR 328	Definition of Waters of the United States	80 No. 10)
33 CFR 329	Definition of Navigable Waters of the United States	
33 CFR 330	Nation Wide Permit Program	
40 CFR 110	Discharge of Oil	
40 CFR 112	Oil Pollution Prevention	
40 CFR 116	Designation of Hazardous Substances	
40 CFR 117	Determination of Reportable Quantities for Hazardous Substances	
40 CFR 122	EPA Administered Permit Programs: The National Pollutant Discharge Elimination System	
40 CFR 125	Criteria and Standards for the National Pollution Discharge Elimination System	
40 CFR 129	Toxic Pollutant Effluent Standards	
40 CFR 131	Water Quality Standards	
40 CFR 133	Secondary Treatment Regulation	
40 CFR 136	Guidelines Establishing Test Procedures for the Analysis of Pollutants	
40 CFR 141	National Primary Drinking Water Regulations	•• ••
40 CFR 142	National Primary Drinking Water Regulations Implementation	
40 CFR 143	National Secondary Drinking Water Regulations	
40 CFR 144	Underground Injection Control Program	
40 CFR 146	Underground Injection Control Program: Criteria and Standards	6= cp to
40 CFR 148	Hazardous Waste Injection Restrictions	
40 CFR 149	Sole Source Aquifers	
40 CFR 166	Exemption of Federal and State Agencies for Use of Pesticides Under Emergency Conditions	
40 CFR 170	Worker Protection Standard	

Directive	es&h requirements Title	Date Issued /Rev.
40 CFR 171	Certification Of Pesticide Applicators	
40 CFR 191	Environmental Radiation Protection Standards For Management And Disposal Of Spent Nuclear Fuel, High-Level And Transuranic Radioactive Wastes	
40 CFR 230	Section 404(b)(1) Guidelines for Specification of Disposal for Dredged or Fill Material	
40 CFR 231	Section 404(c) Procedures	
40 CFR 243	Guidelines for the Storage and Collection of Residential, Commercial, and Institutional Solid Waste	
40 CFR 246	Source Separation for Materials Recovery Guidelines	
40 CFR 247	Comprehensive Procurement Guideline for Products Containing Recovered Materials	
40 CFR 257	Criteria for Classification of Solid Waste Disposal Facilities and Practices	
40 CFR 260	Hazardous Waste Management System: General	
40 CFR 261	Identification And Listing Of Hazardous Waste	
40 CFR 262	Standards Applicable to Generators of Hazardous Waste	
40 CFR 263	Standards Applicable to Transporters of Hazardous Waste	
40 CFR 264	Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	
40 CFR 265	Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	
40 CFR 266	Standards For The Management Of Specific Hazardous Wastes And Specific Types Of Hazardous Waste Management Facilities	
40 CFR 268	Land Disposal Restrictions	
40 CFR 270	EPA Administered Permit Programs: The Hazardous Waste Permit Program	
40 CFR 273	Standards for Universal Waste Management	
40 CFR 279	Standards for the Management of Used Oil	
40 CFR 280	Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks (UST)	
40 CFR 300	National Oil and Hazardous Substances Pollution Contingency Plan	
40 CFR 302	Designation, Reportable Quantities and Notification	
40 CFR 355	Emergency Planning and Notification	

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
40 CFR 370	Hazardous Chemical Reporting: Community Right-to-Know	
40 CFR 372	Toxic Chemical Release Reporting: Community Right-to-Know	
40 CFR 401	Effluent Guidelines and Standards: General Provisions	
40 CFR 403	General Pretreatment Regulations for Existing and New Sources of Pollution	
40 CFR 50	National Primary and Secondary Ambient Air Quality Standards	
40 CFR 503	Standards for the Use or Disposal of Sewage Sludge	
40 CFR 58	Ambient Air Quality Surveillance	
40 CFR 60	Standards of Performance for New Stationary Sources	
40 CFR 61	National Emission Standards for Hazardous Air Pollutants	
40 CFR 68	Chemical Accident Prevention Provisions	
40 CFR 69	Special Exemptions from Requirements of the Clean Air Act	
40 CFR 707	Chemical Imports and Exports	
40 CFR 717	Records and Reports of Allegations that Chemical Substances Cause Significant Adverse Reactions to Health or the Environment	
40 CFR 747	Metalworking Fluids	
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions	
40 CFR 763	Asbestos	
40 CFR 82	Protection of Stratospheric Ozone	
43 FR 4377	Radiation Protection Guidance to Federal Agencies for Diagnostic X-Rays	
49 CFR 107	Hazardous Materials Program Procedures	
49 CFR 171	General Information, Regulations and Definitions	
49 CFR 172	Hazardous Materials Tables and Hazardous Materials Communications Regulations	
49 CFR 173	Shippers - General Requirements for Shipments And Packagings	
49 CFR 174	Carriage By Rail	
49 CFR 177	Carriage By Public Highway	
49 CFR 178 (Subpart K)	Specifications For Packagings	
49 CFR 382	Controlled Substances and Alcohol Use And Testing	

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
49 CFR 383	Commercial Driver's License Standards; Requirements and Penalties	
49 CFR 385	Safety Fitness Procedures	
49 CFR 386	Rules of Practice For Motor Carrier Safety and Hazardous Materials Proceedings Scope Of Rules, Definitions	
49 CFR 387	Minimum Levels of Financial Responsibility for Motor Carriers	
49 CFR 389	Rulemaking Procedures - Federal Motor Carrier Safety Regulations General	ton and ton
49 CFR 390	Federal Motor Carrier Safety Regulations; General	
49 CFR 391	Qualifications Of Drivers	
49 CFR 392	Driving of Motor Vehicles	
49 CFR 393	Parts and Accessories Necessary for Safe Operation	
49 CFR 395	Hours of Service of Drivers	
49 CFR 396	Inspection, Repair, and Maintenance	
49 CFR 397	Transportation of Hazardous Materials; Driving and Parking Rules	
49 CFR 40	Procedures for Transportation Workplace Drug Testing Program General	
50 CFR 17	Endangered and Threatened Wildlife and Plants	
ADN-89-05-FF	Federal Facility Agreement for the Savannah River Site	8/16/1993
ANS 8.1	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors	R98
ANS 8.10	Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement	9/14/1983
ANS 8.12	Nuclear Criticality Control and Safety of Homogeneous Plutonium- Uranium Fuel Mixtures Outside Reactors	R78
ANS 8.14	Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors	R04
ANS 8.15	Nuclear Criticality Control of Special Actinide Elements	R95
ANS 8.17	Criticality Safety Criteria for the Handling, Storage, and Transportation of LWR Fuel Outside Reactors	R04
ANS 8.19	Administrative Practices for Nuclear Criticality Safety	R05
ANS 8.20	Nuclear Criticality Safety Training	5/20/1991
ANS 8.21	Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors	R95
ANS 8.22	Nuclear Criticality Safety Based on Limiting and Controlling	R97

Directive	es&h requirements Title	Date Issued /Rev.
	Moderators	
ANS 8.26	Criticality Safety Engineer Training and Qualification Program	6/20/2007
ANS 8.3	Criticality Accident Alarm System	R97
ANS 8.6	Safety in Conducting Subcritical Neutron-Multiplication Measurements in Situ	R95
ANS 8.7	Nuclear Criticality Safety In The Storage Of Fissile Materials	R98
ANS-8.23-2007	Nuclear Criticality Accident Emergency Planning and Response	3/23/2007
ANS-8.24-2008	Burnup Credit for LWR Fuel	8/14/2008
ANSI Z 358.1	Eye Wash and Shower Equipment, Emergency	1998
ANSI N323A - 1997	American National Standard: Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments	12/31/1997 1997
ANSI N42.18 - 1980	American National Standard: Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents	8/15/1980 91
ANSI N43.3 - 1993	American National Standard For General Radiation Safety - Installations Using Non-Medical X-Ray and Sealed Gamma-Ray Sources, Energies Up To 10 MeV	1/28/1993 93
ANSI/ANS-3.2	Administrative Controls And Quality Assurance For The Operational Phase Of Nuclear Power Plants	4/6/1989 94
ANSI/ASQ E4	Quality Systems For Environmental Data And Technology Programs - Requirements With Guidance For Use	2/4/2004
ANSI/HPS N43.2 - 2001	American National Standard: Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment	7/31/2001
ASME NQA-1-2008 w/2009 addenda	Quality Assurance Requirements for Nuclear Facility Applications	8/31/2009
Comm. Vehicle Safety Alliance	North American Uniform Vehicle Out-of-Service Criteria	4/1/1998 1
DOE LETTER AA- 03-007	Cancellation of Directive Implementation Instructions	8/19/2003
DOE LETTER OSQA-08-0114	DOE-SR Letter OSQA-08-0114, Letter of Direction for DOE Order 420.1B Concerning Functional Area 12, Fire Protection	7/25/2008
DOE/NNSA QC-1, Rev. 10	DOE/NNSA Weapon Quality Policy (QC-1)	2/10/2004 10
DOE/RW-0333P	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program	10/1/2008 20
DOEM435.1-1	Radioactive Waste Management Manual, Chg. 2	6/8/2011

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
		Chg.2
DOEM460.2-1A	Radioactive Material Transportation Practices Manual	6/4/2008
DOEO150.1	Continuity Programs	5/8/08
DOEO151.1C	Comprehensive Emergency Management System	11/2/2005
DOEO153.1	Departmental Radiological Emergency Response Assets	6/27/2007
DOEO210.2A	DOE Corporate Operating Experience Program	4/8/2011
DOEO225.1B	Accident Investigations	3/4/2011
DOEO226.1B	Implementation of Department of Energy Oversight Policy	4/25/2011
DOEO232.2	Occurrence Reporting and Processing of Operations Information	8/30/2011
DOEO231.1B	Environment, Safety and Health Reporting	6/27/2011 Chg. 1
DOEO243.1B	Records Management Program	7/8/2013 Chg. 1
DOEO251.1C	Departmental Directives Program	1/15/2009
DOEO414.1D	Quality Assurance	5/8/2013 Chg. 1
DOEO420.1B	Facility Safety	4/19/2010 Chg. 1
DOEO422.1	Conduct of Operations	6/25/2013 Chg. 1
DOEO425.1D	Startup and Restart of Nuclear Facilities	4/2/2013 Chg. 1
DOEO426.2	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities	7/29/2013 (Chg. 1)
DOEO430.1B	Real Property Asset Management (ESH)	4/25/2011
DOEO433.1B	Maintenance Management Program for DOE Nuclear Facilities.	3/12/2013 Chg. 1
DOEO435.1	Radioactive Waste Management	7/9/1999
DOEO436.1	Departmental Sustainability	5/2/2011
DOEO442.2	Differing Professional Opinions for Technical Issues Involving environmental, Safety and Health Concerns	10/6/2011
DOEO443.1B	Protection of Human Subjects	3/17/2011

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
DOEO450.1A	Environmental Protection Program	6/4/2008
DOEO451.1B	National Environmental Policy Act Compliance Program	6/25/10 Chg 2
DOEO456.1	The Safe Handling of Unbound Engineered Nanoparticles	2/14/2013 Chg. 1
DOEO458.1	Radiation Protection of the Public and the Environment	1/15/2013 Chg. 3
DOEO460.1C	Packaging and Transportation Safety	5/14/2010
DOEO460.2A	Departmental Materials Transportation and Packaging Management	12/22/2004
DOEO461.1B	Packaging and Transfer or Transportation of Materials of National Security Interest	12/16/2010
DOEP450.4A	Safety Management System Policy	4/25/2011
DOE-STD-1088-95	Fire Protection for Relocatable Structures	6/1/1995 0
DOE-STD-1098-99	Radiological Control	7/1/1999 1999
DOE-STD-1186- 2004	Specific Administrative Controls	8/1/2004
EM-QA-001	Environmental Management Quality Assurance Program	6/11/2012 Rev 1
EPA QA/R-5	Requirements for Quality Assurance Project Plans	3/30/2001
EPA/540/R-93/071	Data Quality Objectives	9/1/1993
EPA/SW-846	Test Methods For Evaluating Solid Waste	7/1/1992
FMDP - QARD	Fissile Materials Disposition Program - Quality Assurance Requirements Document	1/1/1999
IBC	International Building Code	
ISO 9002	Quality System - Model for Quality Assurance Production and Installation	12/1/1994
NA-1 SD226.1A	NNSA Line Oversight And Contractor Assurance System Supplemental Directive	10/17/2008
PSLM-021606	Primary Standards Laboratory Memorandum	2/16/2006
Public Law 104-113	National Technology Transfer and Advancement Act of 1995	

Directive	ES&H REQUIREMENTS Title	Date Issued /Rev.
Public Law 108-375	National Defense Authorization Act for FY 2005	
Public Law 109-58	Energy Policy Act of 2005	8/8/2005
SC R.19-450	Permits for Construction in Navigable Waters	
SC R.51	South Carolina Environmental Certification Board	
SC R.61-101	Water Quality Certification	
SC R.61-104	Hazardous Waste Management Locations Standards	
SC R.61-105	Infectious Waste Management Regulations	
SC R.61-107	Solid Waste Management	
SC R.61-30	Environmental Protection Fees	
SC R.61-56	Individual Sewage Treatment and Disposal Systems	
SC R.61-58	State Primary Drinking Water Regulations	
SC R.61-62	Air Pollution Control Regulations and Standards	
SC R.61-67	Standards For Wastewater Facility Construction	
SC R.61-68	Water Classifications and Standards	
SC R.61-69	Classified Waters	
SC R.61-71	Well Standards	
SC R.61-72	Procedures for Contested Cases	
SC R.61-79	Hazardous Waste Management Regulations	
SC R.61-81	State Environmental Laboratory Certification Program	
SC R.61-82	Proper Closeout of Wastewater Treatment Facilities	400 End 400
SC R.61-86.1	Standards of Performance for Asbestos Projects	
SC R.61-87	Underground Injection Control Regulations	
SC R.61-9	Water Pollution Control Permits	
SC R.61-92	Underground Storage Tank Control Regulations	
SC R.72-300	Standards for Stormwater Management and Sediment Reduction	
SC-Code, Title 40	Engineers and Land Surveyors	
SCR.61-25	Retail Food Establishments	

Directive	NON ES&H REQUIREMENTS Title	Date Issued /Rev.
DOEM140.1-1B	Interface with the Defense Nuclear Facilities Safety Board	3/20/2001

Directive	NON ES&H REQUIREMENTS Title	Date Issued /Rev.			
		0			
DOEM142.2-1	Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency	9/4/2008			
DOEM200.1-1	Chapter 9, Public Key Cryptography and Key Management	2/15/2000			
DOEM205.1-4	National Security System Manual	3/8/2007 0			
DOEM205.1-5	Cyber Security Process Requirements Manual	8/12/2008 0			
DOEM205.1-6	Media Sanitization Manual	12/23/2008			
DOEM205.1-7	Security Controls for Unclassified Information Systems Manual	1/5/2009			
DOEM205.1-8	Cyber Security Incident Management Manual	1/8/2009			
DOEM471.3-1	Manual for Identifying and Protecting Official Use Only Information	1/13/2011 Chg. 1			
DOEM481.1-1A	Reimbursable Work for Non-Federal Sponsors Process Manual	9/28/2001 Chg. 1			
DOEM483.1-1	DOE Cooperative Research & Development Agreements Manual	1/12/2001			
DOEN206.4	Personal Identity Verification	6/29/2007			
DOEN470.2	Reporting Unofficial Foreign Travel	12/15/2000			
DOEN473.4	Department Of Energy Badges	5/26/2000			
DOEN473.5	Security Area Vouching and Piggybacking	6/5/2000			
DOEO130.1	Budget Formulation Process	9/29/1995			
DOEO142.2A	Voluntary Offer Safeguards Agreement and Additional Protocol With the International Atomic Energy Agency	6/27/2013 Chg. 1			
DOEO142.3A	Unclassified Foreign Visits And Assignments Program	10/14/2010			
DOEO144.1	Department of Energy American Indian Tribal Government Interactions and Policy	11/6/2009 1			
DOEO200.1A	Information Technology Management	12/23/2008			
DOEO205.1A	Department of Energy Cyber Security Management Program	12/4/2008			
DOEO206.1 Department of Energy Privacy Program					

Directive	NON ES&H REQUIREMENTS  Title				
DOEO221.1A	Reporting Fraud, Waste, And Abuse to the Office of Inspector General				
DOEO221.2A	Cooperation with the Office of Inspector General	2/25/2008 0			
DOEO241.1B	Scientific and Technical Information Management	10/13/2010			
DOEO227.1	Independent Oversight Program	8/30/2011			
DOEO252.1A	Technical Standards Program	3/12/2013 Chg. 1			
DOEO350.1	Contractor Human Resource Management Programs	2/23/2010 3			
DOEO350.2B	Use of Management and Operating or other Facility Management Contractor Employees for Services to DOE In The Washington, D.C., Area	5/31/2011			
DOEO410.2	Management of Nuclear Materials	3/17/2009			
DOEO412.1A	Work Authorization System	4/21/2005			
DOEO413.1B	Internal Control Program	10/28/2008			
DOEO413.2B	Laboratory Directed Research And Development	1/13/2011 Chg. 1			
DOEO413.3B	Program And Project Management for the Acquisition of Capital Assets	11/29/2010			
DOEO415.1	Information Technology Project Management	2/19/2013 Chg. 1			
DOEO430.1B	Real Property Asset Management (Non-ESH)	4/25/2011 Chg. 2			
DOEO440.2C	Aviation Management And Safety	6/22/2011 Chg. 1			
DOEO452.3	Management of the Department of Energy Nuclear Weapons Complex	6/8/2005 0			
DOEO452.7	Protection of Use Control Vulnerabilities and Designs	5/14/2010			
DOEO452.8	Control of Nuclear Weapon Data	7/21/2011			
DOEO462.1	Import and Export Of Category 1 and 2 Radioactive Sources and Aggregated Quantities				
DOEO470.3B	Graded Security Protection (GSP) Policy	8/12/2008			
DOEO470.4B Safeguards and Security Program					

Directive	NON ES&H REQUIREMENTS Title	Date Issued /Rev.
DOEO471.1B	Identification and Protection of Unclassified Controlled Nuclear Information	3/1/2010
DOEO471.3	Identifying and Protecting Official Use Only Information	1/13/2011 Chg. 1
DOEO471.5	Special Access Programs	3/29/2011
DOEO471.6	Information Security	2/4/2013 Chg. 1
DOEO472.2	Personnel Security	7/21/11
DOEO473.3	Protection Program Operations	6/27/2011
DOEO474.2	Nuclear Material Control and Accountability	11/19/2012 Chg. 2
DOEO475.1	Counterintelligence Program	12/10/2004
DOEO475.2A	Identifying Classified Information	2/1/2011
DOEO481.1C	Work for Others (Non-Department of Energy Funded Work)	1/24/2005
DOEO483.1	DOE Cooperative Research and Development Agreements	1/12/2001
DOEO484.1	Reimbursable Work for Department of Homeland Security	3/14/2011 Chg. 1
DOEO522.1	Pricing of Departmental Materials and Services	11/3/2004
DOEO534.1A	Accounting (Current is DOEO534.1B which has the same CRD)	7/12/2001
DOEO551.1D	Official Foreign Travel	4/12/2012
DOEO580.1A	Department of Energy Personal Property Management Program	10/22/2012
IBP-401	NWC Infrastructure Business Practice, Product Definition Exchange Process	11/30/2006 A
IBP-404	NWC Infrastructure Business Practice, Engineering Authorization System	12/17/2003 B
NASDM452.3-1	Defense Programs Business Requirements and Processes Manual	12/10/2009
NNSA NA-10	Weapon Quality Assurance Procedures Manual	3/30/2009
NNSA NAP 14.1-D	NNSA Baseline Cyber Security Program (Revised Implementing Plan, 5/1/2009)	12/14/2012
NNSA NAP 70.2	Physical Protection	7/2/10
NNSA NAP 70.4	Physical Security	7/2/10
NNSAM56XB	NNSA Development and Production Manual	2/27/2004/2
NNSAM56XBCH 2.	NNSA Manual 56XB, Chapter 2.2, Stop Work	2/15/2007

Directive	NON ES&H REQUIREMENTS Title	Date Issued /Rev.
2		В9
NNSAM56XBCH 2.	NNSA Manual 56XB, Chapter 2.8, Technical Business Practice System	8/22/2007 C10
NNSAM56XBCH 6.	NNSA Manual 56XB, Chapter 6.1, Reporting, Special Procedures, and Disposition Of Defective Weapon Assemblies	2/15/2007 B9
NNSAM56XBCH 8.	NNSA Manual 56XB, Chapter 8.1, New Material And Stockpile Evaluation Test Program	12/6/2005 B5
NNSAM56XBCH 12. 3	NNSA Manual 56XB, Chapter 12.3, Risk Management Process for the Directed Stockpile Work Program	1/20/2006 A
NNSA RMI-002	Requirements Modernization and Integration System Management	5/9/2011 B
NNSA RMI-007	DSW Program Funding within PPBE Process	3/29/2010 B
NNSA RMI-008	Portfolio-Program-Project Management	11/9/2010 A
NNSA RMI-009	Risk and Opportunity Management	3/2/2010 A
NNSA RMI-012	Requirements Engineering	6/16/2011 A
PCSP 2.0	Program Cyber Security Plan	9/17/2010 2.0
PRS21301	NWC Standard For Qualification Of Digital Radiographic Imaging Techniques	2/15/2007 B
SRSPM 250.1.1B	Savannah River Site Policy Manual	8/27/2012 0
ТВР	Nuclear Weapons Complex Applicable Technical Business Practice (TBP) Procedures	
TBP-000	NWC Technical Business Practice, Program Management	5/4/2001 E
TBP-100	NWC Technical Business Practice, Concurrent Qualification	9/16/2005 G
TBP-101	NWC Technical Business Practice, Engineering Evaluation Process	1/22/2007 H
TBP-200	NWC Technical Business Practice, Product Identification And Traceability	9/18/2006 E
TBP-201	NWC Technical Business Practice, Weapon Identification Systems	9/18/2006

Directive	NON ES&H REQUIREMENTS Title	Date Issued /Rev.
	And Marking Criteria	D
TBP-300	NWC Technical Business Practice, Product Definition	2/15/2005 E
TBP-301	NWC Technical Business Practice, Methods of Definition	10/2/2006 J
TBP-302	NWC Technical Business Practice, Product and Equipment Designations	9/18/2006 D
TBP-400	NWC Technical Business Practice, Design Control	10/2/2000 D
TBP-401	NWC Technical Business Practice, Definition Control	11/30/2006 E
TBP-402	NWC Technical Business Practice, Product Control	9/22/2004 F
TBP-403	NWC Technical Business Practice, Reviews	2/13/2006 E
TBP-404	NWC Technical Business Practice, Engineering Authorization System	5/4/2005 F
TBP-500	NWC Technical Business Practice, Records Management	10/2/2000 D
TBP-600	NWC Technical Business Practice, Procurement	10/2/2000 D
TBP-700	NWC Technical Business Practice, Product Acceptance and Control Of Nonconformance	3/11/2003 E
TBP-701	NWC Technical Business Practice, Acceptance Equipment Interfaces	4/19/2007 D
TBP-702	NWC Technical Business Practice, Nonconforming Material	5/29/2007 F
TBP-703	NWC Technical Business Practice, Product Reprocessing And Reworking	6/1/2001 D
TBP-704	NWC Technical Business Practice, Evaluation And Disposition Of Discrepant Weapon Material	10/2/2000 D
TBP-800	NWC Technical Business Practice, Stockpile Management	7/30/2001 F
TBP-801	NWC Technical Business Practice, Laboratory And Flight Test Material	10/2/2000 D
TBP-804	NWC Technical Business Practice, Stockpile Support Material	12/6/2006

Directive	non esæh requirements Title	Date Issued /Rev.
		F
TBP-CM	NWC Technical Business Practice, Configuration Management	2/14/2005 A
TBP-PRP	NWC Technical Business Practice, Product Realization Process	5/4/2001 E
TBP-SYS	NWC Technical Business Practice, Technical Business Practice System	10/20/2004 H

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	QUISITION/PURCHASE REQ. NO.	5. PRO	OJECT NO. (If applicable)
0400	09/25/2013	13EM	1003197		
6. ISSUED BY CODE	00901	7. AD	MINISTERED BY (If other than Item 6)	CODE	00901
Savannah River Operations			annah River Operations		
U.S. Department of Energy			. Department of Energy		
Savannah River Operations			annah River Operations	•	
P.O. Box A Aiken SC 29802		1	. Box A en SC 29802		
Alken SC 29602		127	en 50 25002		
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZiP Code)	(x) <sup>9A</sup>	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT:	IONS, LLC				
Attn: LLOYD CLEVINGER		98	DATED (SEE ITEM 11)		
203 LAURENS ST SW		11			
AIKEN SC 298012421			A. MODIFICATION OF CONTRACT/ORDER N	10.	
		^  D	E-AC09-08SR22470		
			B. DATED (SEE ITEM 13)		
CODE 798861048	FACILITY CODE	- 1			
798861048	11. THIS ITEM ONLY APPLIES TO		01/10/2008		
The above numbered solicitation is amended as set for				nded	is not extended.
Offers must acknowledge receipt of this amendment p			•		
			ceipt of this amendment on each copy of the of		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF					
virtue of this amendment you desire to change an offe	r already submitted, such change may b	e made			
to the solicitation and this amendment, and is received					<del></del>
12. ACCOUNTING AND APPROPRIATION DATA (If rec	Net	. Dec	crease: -	\$244	,644.84
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDER	RS. IT N	IODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBI	ED IN ITEM 14.
CHECK ONE A THIS CHANGE ORDER IS ISSUED I	DUDGUANT TO: /Cassify outbooks). THE	- CHAN	CEC CET EODTH IN ITEM 44 ADE MADE IN 1		MITDACT
ORDER NO. IN ITEM 10A.	-DRSOANT TO. (Specify audionly) This	_ CI Dat	GES SET FORTH IN ITEM 14 ARE MADE IN 1	TIL CO	HINO
B. THE ABOVE NUMBERED CONTRA	CT/ORDER IS MODIFIED TO REFLECT	THE A	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	in payii	ng office,
appropriation date, etc.) SET FORTI	TIN HEN 14, PORSOANT TO THE AUT	INORII	1 OF FAR 43. 103(b).		
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT TO	AUTHOR	RITY OF:		
D. OTHER (Specify type of modification	and authority)				
	gation of Funds (200	201			
	x is required to sign this document ar		1copies to the issuin	n office	
14. DESCRIPTION OF AMENDMENT/MODIFICATION					·
A. The purpose of this modi	·	-	_		epartment of
Energy (DOE) funds), in acco		_			=
(-\$244,644.84) are hereby de					
\$4,751,082,725.56 to \$4,750,	•				
	•				
B. As a result of this modi	fication, Part I - S	chec	lule, Section B, Supplie	s or	r Services
and Price/Cost, paragraph B,	•				
the total amount of funds ob	<del>-</del>		<del>-</del>		
\$6,150,566.424.55.	<b>,</b>				
,					
C. The contract estimated v	alue and all other t	erms	and conditions remain	unch	nanged.
Continued					<del>-</del>
Except as provided herein, all terms and conditions of the	ne document referenced in Item 9A or 10	)A, as he	eretofore changed, remains unchanged and in f	ull force	and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)	e, Senior Vice President	16A	NAME AND TITLE OF CONTRACTING OFF	ICER (T	'ype or print)
Contracts Man	egement Spenient vice president	Ja	mes Lovett		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B	UNIDED STATES OF AMERICA		16C. DATE SIGNED
( Luna to tomo	10.   _//	_	L ty		01/1
(Signature of person authorized to sign)	<u>~</u>   9/26/13	3   7	(Signature of Contracting Official)		- 1//26//3
NSN 7540-01-152-8070	<del></del>	1			ARD FORM 30 (REV. 10,63)
Previous edition unusable					ed by GSA CFR) 53.243

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	OF
	DE-AC09-08SR22470/0400	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	דואט	UNIT PRICE	AMOUNT
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Fiscal Year: 2013

Fiscal Month: 12

## Financial Plan Report - Detail

Site: SR

Page 1 of 2 Report: RFP0001

Report Generated on: September 25, 2013 at 12:56:08 PM

Contract Modification Number 400

Financial Plan Number: 28

Rpt Entity: SR Savannah River Nuclear Solutions, LLC

SR22470 - Savannah River Nuclear Solutions (SRNS)

Rpt	Fund	Leg		Legacy	Obj.	Local			Legacy	Beginning		BA		Total
Entity	Code	FT	Program	B&R	Class	Use	Project	WFO	Order Number	Uncosted Obs	Previous	Change	Revised	Available
410003	00900	TC	2220735	DP1202010	25400	0000000	0000000	0000000		0.00	485,423.00	-21,823.58	463,599.42	463,599.42
AY 20	13 - De-obli	igate to	correct entries v	rhcih were made i	n FY 2013	Financial Pla	an # 27							
						Total	for Program	Parent/Contr	ol Point: DP1202010	0.00	485,423.00	-21,823.58	463,599.42	463,599.42
								Total for F	und: 00900	0.00	485,423.00	-21,823.58	463,599.42	463,599.42
10003	01265		1111526	EY8648121	25400	0000000	0001762	0000000	a	0.00	39,278,381.87	-10,207.74	39,268,174.13	39,268,174.13
AY 20	13 - De-obli	igate fur	ds to correct en	tries that were ma	de in SRN	S FY 2013 F	inancial Plan	# 27						
						Tota	I for Program	Parent/Contr	ol Point: EY8648020	0.00	39,278,381.87	-10,207.74	39,268,174.13	39,268,174.13
								Total for P	und: 01265	0.00	39,278,381.87	-10,207.74	39,268,174.13	39,268,174.13
110003	01266		1110949	EY8648130	25400	0000000	0001763	0000000		0.00	31,431,921.49	-12,613,52	31,419,307.97	31,419,307.97
AY 20	13 - De-obli	igate fur	nds to correct en	tries made in SRI	IS FY 2013	Financial P	Plan # 27							
						Tota	l for Program	Parent/Contr	ol Point: EY8648020	0.00	31,431,921.49	-12,613.52	31,419,307.97	31,419,307.97
								Total for F	und: 01256	0.00	31,431,921.49	-12,613.52	31,419,307.97	31,419,307.97
110003	01551	NS	2221269	NN6001050	25400	0000000	0000000	0000000		7,994,383.45	19,623,665.00	-200,000.00	19,423,665.00	27,418,048.45
AY 20	13 - De-obli	igate fur	d to correct ent	ries made in SRN	S FY 2013	Financial Pla	en # 27						=	
						Total	for Program	Parent/Contr	ol Point: NN6001010	7,994,383.45	19,623,665.00	-200,000.00	19,423,665.00	27,418,048.45
								Total for F	und: 01551	7,994,383.45	19,623,665.00	-200,000.00	19,423,665.00	27,418,048.45
							Total for R	lecipient Code	: SR	7,994,383.45	90,819,391.36	-244,644.84	90,574,746.52	98,569,129.97
						Total for Re	porting Entit	y: 410003	Ì	7,994,383.45	90,819,391.36	-244,644.84	90,574,746.52	98,569,129.97
					Tota	I for SR224	70 - Savanna	h River Nucle	ar Solutions (SRNS)	7,994,383.45	90,819,391.36	-244,644.84	90,574,746.52	98,569,129.97

Fiscal Year: 2013

Fiscal Month: 12

Financial Plan Report - Detail

SR22470 - Savannah River Nuclear Solutions (SRNS)

Site: SR

Page 2 of 2 Report: RFP0001

Report Generated on: September 25, 2013 at 12:56:08 PM

Contract Modification Number: 400 Rpt Entity: SR Savannah River Nuclear Solutions, LLC

Financial Plan Number: 28

Agency Sub-Report

Agency	Obligation Change Amount
Work for Others Funds Associated with Federal Agencies:	0.00
Total DOE Funds:	-244,644.84
Total Non-Appropriated Funds:	0.00
Grand Total:	-244,644.84

## TAS Sub-Report

DOE Funding:

89X0309

Reimbursable Funding:

This financial plan was generated for the following options: All Transactions

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	15. PROJEC	T NO. (If applicable)	
0401	09/26/2013	I	M003206			
6. ISSUED BY CODE	00901	7. AD	DMINISTERED BY (if other than item 6)	CODE O	0901	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav	vannah River Operations S. Department of Energy vannah River Operations D. Box A Ken SC 29802			
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t. county. State and ZIP Code)	L. 19/	A. AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		x 10	B. DATED (SEE ITEM 11)  DA. MODIFICATION OF CONTRACT/ORDER NOTE - ACO 9 - 08 SR 2 2 4 7 0  DB. DATED (SEE ITEM 13)	<b>o</b> .		
CODE 798861048	FACILITY CODE	۱ ۲	01/10/2008			
120001040	11. THIS ITEM ONLY APPLIES TO	1 1				
THE PLACE DESIGNATED FOR THE RECEIPT OF virtus of this amendment you desire to change an offit to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (If received the solicitation of the solicitation of the solicitation and the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation of the solicitation and this amendment, and is received to the solicitation and this amendment, and is received to the solicitation and this amendment, and is received to the solicitation and this amendment, and is received to the solicitation and this amendment, and is received to the solicitation and this amendment, and is received to the solicitation and the solicitati	er already submitted, such change may d prior to the opening hour and date sp quired) Ne	be made becified. et De	by telegram or letter, provided each telegram o	14,999	, 950 . 00	
			MODIFIES THE CONTRACT/ORDER NO. AS DE			
			IGES SET FORTH IN ITEM 14 ARE MADE IN T		<del> </del>	
appropriation date, etc.) SET FORTI			DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b). RITY OF:	paying on		
D. OTHER (Specify type of modification	and authority)					
x DEAR 970.5232-4 Obli	••	000)				
E. IMPORTANT: Contractor is not.	x is required to sign this document	and return	n1 copies to the issuin	g office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi Work Commercial funds), in a (-\$14,999,950.00) are hereby \$4,750,838,080.72 to \$4,735,	fication is to de-c ccordance with SRNS de-obligated from	bliga FINI	ate funds from CLIN 0001 PLAN 29. Funds in the a	(Reim)	of	
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds of \$6,135,566,474.55.	entitled "Obligati	on of	f Funds," is hereby revi	sed to		
C. The contract estimated v						
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)  Contracts	ne document referenced in Item 9A or Temple, Senior Vice Preside Management	ent 16A	eretofore changed, remains unchanged and in fi NAME AND TITLE OF CONTRACTING OFFI TIMES LOVETT			
15B. CONTRACTOR/OFFEROR  (Symature of person suithorized to sign)  NSN 7540-01-152-8070	15C. DATE SIGNED 9/26/13	3 16B	NITTED STATES OF AMERICA  (Signature of Contracting Option	TANDARD F	16C. DATE SIGNED 09/26/2013 ORM 30 (REV. 10-83)	

Previous edition unusable

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

CONTINUES TON OUTET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0401	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY UI (C) (I	UNIT PRICE (E)	AMOUNT (F)
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			1. CONTRACT ID CODE	PAGE OF PAGES		
AMENDMENT OF SOLICITATION/	MODIFICATION OF CO	NTRACT		1 1 1		
2. AMENDMENT/MODIFICATION NO. 402	3. EFFECTIVE DATE See Block 16C		ON/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY CODE		7. ADMINISTI	ERED BY (If other than Item 6)	CODE		
Savannah River Operations U.S. Department of Energy Savannah River Operations Office P.O. Box A		Savannah River Operations U.S. Department of Energy Savannah River Operations Office P.O. Box A				
Aiken, SC 29802			SC 29802			
8. NAME AND ADDRESS OF CONTRACTOR (No.	street county State and Zin Coo		9A. AMENDMENT OF SOLIC	ITATION NO		
*	•					
Savannah River Nuclear Solutions, I ATTN: Lloyd Clevinger 203 Laurens Street SW	LC		10A. MODIFICATION OF COI	NTRACT/ORDER NO.		
Aiken, SC 29801-2421		×	DE-AC09-08SR22	2470		
			10B. DATED (SEE ITEM 13)			
70001040	LITY CODE		01/10/2008			
11. THIS ITE	M ONLY APPLIES TO A	AMENDMEN	ITS OF SOLICITATION	<u> </u>		
Offers must acknowledge receipt of this amendment (a) By completing Items 8 and 15, and returning submitted; or (c) By separate letter or telegram whice BE RECEIVED AT THE PLACE DESIGNATED FOR YOUR OFFER. If by virtue of this amendment you or letter makes reference to the solicitation and this  12. ACCOUNTING AND APPROPRIATION DATA	copies of the amendment (see bloch includes a reference to the solicity THE RECEIPT OF OFFERS PRIJESTIE to change an offer already samendment, and is received prior	ck 7); (b) By ackr tation and amend OR TO THE HO ubmitted, such c	owledging receipt of this amendr dment numbers. FAILURE OF YOUR AND DATE SPECIFIED MAY hange may be made by telegram	ment on each copy of the offer OUR ACKNOWLEDGEMENT TO RESULT IN REJECTION OF		
	PPLIES ONLY TO MOD THE CONTRACT/ORDI					
A. THIS CHANGE ORDER IS ISSUED PU NO. IN ITEM 10A	IRSUANT TO: (Specify authority)	THE CHANGES	S SET FORTH IN ITEM 14 ARE N	WADE IN THE CONTRACT ORDER		
B. THE ABOVE NUMBERED CONTRACT appropriation date, etc.) SET FORTH IN IT				s changes in paying office,		
C. THIS SUPPLEMENTAL AGREEMENT	IS ENTERED INTO PURSUANT	TO AUTHORITY	OF:			
D. OTHER (Specify type of modification at Unilateral Modification Issued	nd authority) pursuant to Clause H-2	8, Performa	nce-Based Incentives			
E. IMPORTANT: Contractor [ X ] is not,	is required to sign this do	cument and re	turn copies to the issu	ing office		
14. DESCRIPTION OF AMENDMENT/MODIFICAT The purpose of this unilateral modific Performance Evaluation Plan (PEP) period October 1, 2013 through Sep	ion ( <i>Organized by UCF section he</i> cation is to incorporate the for management and optember 30, 2014.	eadings, includin he DOE/NN	g solicitation/contract subject ma SA Fiscal Year (FY) 20	tter where feasible.) 014 Strategic		
All other terms and conditions remai	•					
15A. NAME AND TITLE OF SIGNER (Type or print	)	Carol F	NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carol R. Elliott Contracting Officer			
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED		STATES OF AMERICA	16C. DATE SIGNED		
(Signature of person authorized to sign)			nature of Contracting Officer)			

## Fiscal Year 2014 **DOE/NNSA Strategic Performance Evaluation Plan (PEP)**

#### **FOR**

## MANAGEMENT AND OPERATION OF THE SAVANNAH RIVER SITE NNSA ACTIVITIES

By

Savannah River Nuclear Solutions, LLC

Contract Number: DE-AC09-08SR22470

Performance period: October 01, 2013 through September 30, 2014

Dennis J. Donati Date Senior Vice President **NNSA Operations and Programs** Savannah River Nuclear Solutions, LLC

Manager

Douglas J. Dearolph

Savannah River Field Office

National Nuclear Security Administration

John W. Temple

Date

**Contracting Officer** 

Savannah River Nuclear Solutions, LLC

Carol R. Elliot

1

Contracting Officer

Savannah River Field Office

National Nuclear Security Administration

#### INTRODUCTION

Savannah River Site is managed by Savannah River Nuclear Solutions, LLC, herein referenced as "Contractor", for the U.S. Department of Energy (DOE), National Nuclear Security Administration (NNSA). Pursuant to the terms and conditions of the Contract, and Clause H-27, *Performance Based Management*, this Performance Evaluation Plan (PEP) sets forth the criteria in which the Contractor's performance will be evaluated and upon which the determination of the amount of award fee earned shall be based. The available award fee amounts for FY 2014 are specified in Section B-2.3 of Contract No. DE-AC09-08SR22470. This PEP promotes a strategic Governance and Oversight framework based on prudent management of risk, accountability, transparency, and renewed trust. It has been written to implement the collective governance and oversight reform principles as expressed by the DOE/NNSA.

#### PERFORMANCE BASED APPROACH

The performance-based approach evaluates the Contractor's performance through a set of performance objectives (PO). Each PO will be measured on outcomes, demonstrated performance and impact to the DOE/NNSA mission. Contributing Factors (CF) and Site Specific Outcomes (SSO) will be evaluated against Program Implementation Plans (including cost, schedule, and scope) and other key inputs. CFs and SSOs will be assessed in the aggregate to establish an adjectival performance rating for each Performance Objective. Notwithstanding the overall strategic framework, failure to achieve an individual SSO, the most important DOE/NNSA fiscal year objectives at a site, may limit the award-fee.

#### MISSION PERFORMANCE

The Contractor is accountable for and will be evaluated on successfully executing program work in accordance with applicable DOE/NNSA safety and security requirements consistent with the terms and conditions of the Contract. Protection of worker and public safety, the environment, and security are essential and implicit elements of successful mission performance. Accordingly, the model for this PEP is to rely on the Contractor's leadership to use appropriate DOE contractual requirements and recognized industrial standards based on consideration of assurance systems, and the related measures, metrics, and evidence. The Contractor is expected to manage in a safe, secure, efficient, effective, results-driven manner, with appropriate risk management and transparency to the government, while taking appropriate measures to minimize costs that do not compromise core objectives and mission performance. Products are expected to be delivered on-schedule and within budget.

#### CONSIDERATION OF CONTEXT IN PERFORMANCE EVALUATION

The evaluation of performance will consider "context" such as unanticipated barriers (e.g., budget restrictions, rule changes, circumstances outside Contractor's control), degree of difficulty, significant accomplishments, and other events that may occur during the performance period. Effective efforts by the Contractor to quickly identify, self-report, and overcome or mitigate the impact of issues, barriers or other circumstances will also be a factor in evaluating performance. A significant safety or security event may result in an overall limitation to adjectival ratings in several or all performance objectives. For Line Item projects executed over multiple years, latter year failures may result in the Contractor reimbursing the Federal Government for earlier year award fees.

#### PERFORMANCE RATING PROCESS

At the end of each of the first three quarters, DOE/NNSA will evaluate contractor performance and provide feedback to the contractor highlighting successes and/or needed improvement. At the end of the year, an overall performance rating will be assigned for each PO using the table in Federal Acquisition Regulation Subpart 16.401(e)(3). In general, performance objectives and contributing factors are written to reflect an overall adjectival performance level of **Good**. DOE/NNSA will consider the contractor's end of year self-assessment report in preparing the Performance Evaluation Report (PER) for the Fee Determining Official (FDO). The PER transmits the final recommendations on performance ratings and award fee earned for the award fee period of performance. The unilateral decision of the total award fee earned will be made by the FDO.

## PEP CHANGE CONTROL

It is essential that a baseline of performance expectations be established at the beginning of the performance period to equitably measure performance, and that changes to that baseline are carefully managed. Any change to the PEP requires concurrence by the appropriate program office, NA-00 and the NNSA Senior Procurement Executive prior to the Field Office Manager and Contracting Officer signatures. While recognizing the unilateral rights of DOE/NNSA as expressed in contract clauses H-27, *Performance Based Management*, and (2) H-28, *Performance Incentives*, bilateral changes are the preferred method of change whenever possible.

#### TOTAL AVAILABLE AWARD FEE ALLOCATION

Performance Category	Performance Objective	% At-Risk Fee Allocation	
Programs	PO-1: Manage the Nuclear Weapons Mission	27%	
Programs	PO-2: Reduce Nuclear Dangers	23%	
Programs	PO-3: Strengthen Science, Technology, and Engineering Base and Achieve Other DOE Mission Objectives	2%	
Operations & Mission Execution	PO-4: Drive a Safe, Secure, Modern, Integrated and Effective Enterprise	38%	
Operations & Mission Execution	PO-5: Contractor Leadership	10%	

#### **UNEARNED FEE**

DOE/NNSA reserves the right to withdraw and redistribute DOE/NNSA unearned fees.

#### **AWARD TERM INCENTIVE**

To earn award term the contractor must earn an adjectival score of Very Good or better in each of the Performance Objectives.

#### INNOVATIVE SOLUTIONS

The Contractor will recommend innovative, science-based, systems-engineering solutions to the most challenging problems that face the nation and the globe. The Contractor will also provide evidence to support programmatic needs and operational goals tempered by risk. DOE/NNSA will take into consideration all major functions contributing to mission success. In addition, the Contractor is expected to recommend and implement innovative business and management improvement solutions that enhance efficiencies.

#### PO-1: Manage the Nuclear Weapons Mission – (At-Risk Fee: 27%)

Successfully execute Nuclear Weapons mission work in accordance with DOE/NNSA Priorities<sup>1</sup>, Program Control Document and Deliverables, and Program Implementation Plans. Integrate across the site, while maintaining a DOE/NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities.

#### Contributing Factors:

- CF-1.1 Accomplish work as negotiated with program sponsors and partners, achieving the expected level of quality to ensure safe, secure, reliable weapon performance, transportation, and efficient operations.
- CF-1.2 Plan and execute the stockpile surveillance program to increase knowledge of the state of the stockpile, provide a robust scientific and engineering understanding for the delivery of the annual stockpile assessment, and advance the Predictive Capabilities Framework.
- CF-1.3 Execute product deliveries for the W76-1 Life Extension Program and all active Air-Delivered and Ballistic Missile Weapons Systems (B61, B83, W80, W76-0, W78, W87, W88), limited life component exchanges and dismantlements.
- CF-1.4 Demonstrate the application of new strategies, technologies, and scientific understanding in anticipation of future stockpile needs (e.g., enhanced stockpile surety, Enterprise Modeling and Analysis Consortium tools and Joint Integrated Lifecycle Surety tool).
- CF-1.5 Sustain and strengthen unique science and engineering capabilities, facilities and essential skills to ensure success of current and future Nuclear Weapons mission requirements.
- CF-1.6 Execute product development and deliveries of the Life Extension Programs (e.g., B61-12, W78/88-1) and Alterations (e.g., W88 ALT 370).

#### Site Specific Outcomes:

- SSO 1.1: Demonstrate the Tritium Programs Earned Value Management System (EVMS) (or comparable system) is implemented consistent with the B61 Project Control Systems Description and Implementation Schedule.
- SSO 1.2: Establish a site performance management baseline and submit monthly project and earned value reporting consistent with NA-191 program management requirements.
- SSO 1.3: Demonstrate the Tritium Programs EVMS (or comparable system) is implemented consistent with the W78/88-1 Project Control Systems Description and Implementation Schedule.

<sup>&</sup>lt;sup>1</sup> As defined in the Mission Performance section, successful execution includes executing program work in accordance with applicable DOE/NNSA safety and security requirements.

#### PO-2: Reduce Nuclear Dangers (At-Risk Fee: 23%)

Make the world a safer place by reducing nuclear and radiological dangers. Successfully develop and implement Nonproliferation, Incident Response, Counterterrorism and Counterproliferation programs in accordance with DOE/NNSA priorities<sup>2</sup>, program work authorizations, program execution plans, and associated standards. Integrate across the sites to achieve greater impact by focusing on a DOE/NNSA enterprise-wide set of strategic national security priorities.

#### **Contributing Factors:**

- CF-2.1 Remove, eliminate and minimize the use of proliferation-sensitive materials.
- CF-2.2 Safeguard and secure materials, technologies, and facilities.
- CF-2.3 Detect and prevent the illicit trafficking of nuclear/radiological materials, technology, information and expertise.
- CF-2.4 Provide R&D technology solutions for treaty monitoring, minimizing the use of proliferation-sensitive materials, and the application of safeguards and security.
- CF-2.5 Provide unique technical/policy solutions and develop programs/strategies to reduce nuclear/radiological dangers.
- CF-2.6 Achieve effective emergency management, incident response and nuclear forensics mission support capability.
- CF-2.7 Sustain and improve nuclear counterterrorism and counterproliferation science, technology, and expertise.

### Site Specific Outcome:

- SSO 2.1: Perform activities necessary in H-Canyon and HB-Line to produce plutonium oxide analyzed to be acceptable feedstock from non-pit plutonium currently stored in K-Area, in accordance with the requirements contained in the FY14 Work Authorization and Execution Plan.
- SSO 2.2: Perform plutonium feed material characterization activities in accordance with the NNSA-approved plan for the non-pit plutonium material (AFS-1 and AFS-2) currently stored at SRS to demonstrate acceptability as feedstock and to support aqueous blend strategies in H-Canyon during operations. [MIFT Scope]

<sup>&</sup>lt;sup>2</sup> As defined in the Mission Performance section, successful execution includes executing program work in accordance with applicable DOE/NNSA safety and security requirements.

# PO-3: Strengthen Science, Technology, and Engineering Base and Achieve Other DOE Mission Objectives

(At-Risk Fee: 2%)

Successfully strengthen, grow, and leverage the science, technology, and engineering base for implementing DOE/NNSA efforts by executing broad national security mission work and other DOE programs such as Environmental Management and interagency work.<sup>3</sup> Effectively manage Laboratory/Plant/Site Directed Research and Development Programs (LDRD/PDRD/SDRD).

#### **Contributing Factors:**

- CF-3.1 Implement a research strategy that is clear and aligns discretionary investments (e.g., LDRD/PDRD/SDRD) with the research strategy and support DOE/NNSA priorities.
- CF-3.2 Ensure that research is relevant, enables the national security missions, and benefits DOE/NNSA and the nation.
- CF-3.3 Ensure that research is transformative, innovative, leading edge, high quality, and advances the frontiers of science and engineering.
- CF-3.4 Maintain a healthy and vibrant research environment that enhances technical workforce competencies and research capabilities and attracts the best and brightest scientist/engineers to execute our national programs.
- CF-3.5 Perform research to accomplish the high priority, multi-year research objectives, advance ST&E, and develop technologies for the public good through technology transfer.
- CF-3.6 Establish and maintain long-term partnerships/relationships with private industry and the scientific and local communities.
- CF-3.7 Strategically integrate interagency work to ensure necessary capabilities are maintained over time to support the DOE/NNSA mission.

## Site Specific Outcome:

None

<sup>&</sup>lt;sup>3</sup> As defined in the Mission Performance section, successful execution includes executing program work in accordance with applicable DOE/NNSA safety and security requirements.

# PO-4: Drive a Safe, Secure, Modern, Integrated and Effective Enterprise (At-Risk Fee: 38%)

Operate and maintain DOE/NNSA infrastructure in a safe, secure, and efficient manner in order to cost-effectively achieve mission results and drive continuous improvement. Integrate across the sites to achieve greater impact by focusing on a DOE/NNSA enterprise-wide set of strategic priorities. Demonstrate accountability for modernizing the infrastructure, improving physical and cyber security, and ensuring operational safety in order to achieve mission performance and management controls; assure mission commitments are met with high-quality products and services; and maintain excellence as 21<sup>st</sup> century government-owned, contractor-operated facility.

#### Contributing Factors:

- CF-4.1 Deliver effective, efficient, and responsive safety and health management and processes.
- CF-4.2 Accomplish line item and GPP construction projects in accordance with scope, cost, and schedule baselines
- CF-4.3 Deliver effective, efficient, and responsive physical and cyber security management and processes.
- CF-4.4 Operate and modernize the DOE/NNSA facilities, infrastructure, and equipment in an effective, energy efficient manner; including disposition of unneeded infrastructure and excess hazardous materials.

### Site Specific Outcome:

- SSO 4.1: Execute funded scope in support of the Tritium Responsive Infrastructure Modifications (TRIM) Program objectives, including up-front planning for the Tritium Centric Operations Project (TCOP) line item, per the FY14 Work Authorization and Execution Plan.
- SSO 4.2: Complete construction and initiate startup testing of the Waste Solidification Building project in accordance with approved cost and schedule baselines and related work scope as defined in the FY14 WAEP.

#### PO-5: Contractor Leadership (At-Risk Fee: 10%)

Successfully demonstrate leadership in supporting the direction of the overall DOE/NNSA mission, the responsiveness of the contractor's leadership team to issues and opportunities for continuous improvement internally and across the Enterprise, and parent company involvement/commitment to the overall success of the site and the Enterprise.

#### **Contributing Factors:**

- CF-5.1 Define and implement a realistic strategic vision for the site, in alignment with the NNSA Strategic Plan, which demonstrates enterprise leadership and effective collaborations across the NNSA enterprise to ensure DOE/NNSA success.
- CF-5.2 Deliver efficient and effective management of legal risk and incorporation of best legal practices
- CF-5.3 Promote a culture of critical self-assessment and transparency across all areas; instill a culture of accountability, responsibility, and performance through the entire organization; and coordinate/communicate these key issues and concerns to DOE/NNSA leadership.
- CF-5.4 Demonstrate performance results through the institutional utilization of the Management Assurance System and the leveraging of parent company resources and expertise.
- CF-5.5 Work selflessly within the DOE/NNSA complex to develop, integrate, and implement enterprise solutions that maximize program outputs at best value to the government; identify innovative business and management solutions that greatly improve enterprise-wide efficiencies.
- CF-5.6 Exhibit professional excellence in performing contractor roles/responsibilities while pursuing opportunities for continuous learning.

## Site Specific Outcome:

None

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
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(Signature of person authorized to sign) NSN 7540-01-152-8070			(Signature of Contracting Officer)	STANDA	ARD FORM 30 (REV. 10-83)
Previous edition unusable		•		Prescrib	ed by GSA CFR) 53.243

# Attachment 1

Contract Work Authorization No. HI-410003-13, Rev 6

**Project Title: Fuel Cell Technologies** 

Patrick Jackson/DOE/Srs

Work Authorization Number U.S. DEPARTMENT OF ENERGY Tracking Number HI-410003-13 CONTRACT WORK AUTHORIZATION CWA-2013-00041 Revision Number If you need assistance with this form contact Belinda Beckum 5-5352 1b. Work Proposal Number (if applicable): 1a. Project Title: 1c. Performing Organization Fuel Cell Technologies AOP#FY13 SRNL ST, AOP#FY12 SRNL PD SRNL O SRNS 2. Headquarters Program Point of Contact. Name: Sunita Sayapal Organization Code: EE-2H Telephone No.: 202-586-2336 3. Headquarters Budget Point of Contact. Telephone No.: 202-586-9302 Name: Cathy Short Organization Code: EE-3B 4. Responsible Program: 5. Responsible Secretarial Officer: Office of Energy Efficiency and Renewable Energy Office of Energy Efficiency and Renewable Energy 6. Responsible Field Organization U.S. Department of Energy (DOE), Savannah River Operations (SR) 7a. Site and Facility Management Contractor: 7b. Contractor Point of Contact: Savannah River Nuclear Solutions, LLC Name: John Temple Telephone No.: 803-952-7210 8. Work Authorization Number: 9. Revision Number:\* HI-410003-13 10. Funds Authorized (See note below) Work subject to funds availability. This WAD transfers funds within the same B&R to a different agreement number per headquarters' authorization 'attached to this WAD package). Agreements affected by this WAD are: 22275 and 24099 Date B&R Code Agreement / Project # Project Value Previous: Change: Current: 312,356.00 9/12/13 HT0201000 26126 312,356.00 0 HT0201000 13443 387,644.25 0 387,644.25 200,000.00 200,000.00 HT0202000 26363 0 HT0202000 22272 400,000.00 400,000.00 -100,000.00 HT0202000 512,336.00 412,336.00 22275 HT0202000 24099 1,207,664.00 100,000.00 1,307,664.00 349,999.75 HT0500000 349,999.75 24132 0 Totals 3,370,000.00 3,370,000.00 11. Performance Period Covered by Funds. (See NOTE in 12. Work Start Date: 13. Expected Completion Date: block 10) From: 10/01/2012 To: 09/30/2014 10/01/2012 09/30/2014 14. Statement of Work (includes attachments) Funding is authorized by the Fuel Cell Technologies Office to perform work in the areas of: HSECoE. 15. Technical Point of Contact Title **Fmail** Phone Name Ted Motyka/SRNL/Srs SRS Technical Point of Contact ted.motyka@srnl.doe.gov (803) 507-8548 SRS Technical Point of Contact Manager Name Title Email Phone Bond Calloway/SRNL/Srs SRS Technical Point of Contact Manager bond.calloway@srnl.doe.gov (803) 507-5174 18. Contractor's Authorized 19. DOE Contracting Officer (or 16. DOE-SR Program Point of 17. DOE-SR Field Budget Official delegated representative) Contact Representative.

Harold Nielsen/DOE/Srs

John Temple/SRNS/Srs

James Lovett/DOE/Srs

signature blocks  No No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the puriof informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:	DOE-SR Work Authorization Program DOE Order 412 Compliance Checksheet Work Authorization Number Fuel Cell Technologies At a minimum, each work authorization will contain the following information:  Yes \ No \ Project title and reference to work proposal number, if applicable  Yes \ No \ No Headquarters programmatic point of contact, organization, and telephone number  Yes \ No \ Responsible program  Yes \ No \ Responsible program  Yes \ No \ Responsible feed organization  Yes \ No \ Responsible program  Yes \ No \ Responsible program  Yes \ No \ Responsible program  Yes \ No \ Responsible program  Yes \ No \ No \ Responsible program  Yes \ No \ No \ Responsible program  Yes \ No \ No \ Responsible program  Yes \ No \ No \ Sitefacility management contractor name, point of contact, and telephone number  Yes \ No \ No \ Sitefacility management contractor name, point of contact, and telephone number  Yes \ No \ No \ Dates for performance period, work start, and work completion  Yes \ No \ Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes \ No \ No \ Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes \ No \ No \ Dates for performance period, work start, and work completion  Yes \ No \ Dates for performance period, work start, and work completion  The statement of work (see paragraph below)  Yes \ No \ Dates for performance period, work start, and work completion  Yes \ No \ Dates for performance period, work start, and work completion  The statement of work (see paragraph below)  Yes \ No \ No \ Detailed statement of work (see paragraph below)  Yes \ No \ No \ Responsible for the purpose of the project results (e.g., scientific advances or technical progress)  Yes \ No \ No \ Project for the purpose of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes \ No \ Detailed statement of work to be performed o	ed Motyka has p	pe and funding requirements and pressed the button, "I accept the	<u></u>	the requirements. rements and have no issues meeting the	9/19/2013 08:44		
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Project Title   Work Authorization Number   HI-410003-13   At a minimum, each work authorization will contain the following information:  Yes \ No   Project title and reference to work proposal number, if applicable  Yes \ No   Headquarters programmatic point of contact, organization, and telephone number  Yes \ No   No   Headquarters budget point of contact, organization, and telephone number  Yes \ No   Responsible program  Yes \ No   Responsible program Secretarial Officer  Yes \ No   Responsible program Secretarial Officer  Yes \ No   Responsible field organization  Yes \ No   Responsible contracting officer if different from above  Yes \ No   No   Responsible contracting officer if different from above  Yes \ No   Work authorization number, with revision number if applicable  Yes \ No   Site/facility management contractor name, point of contact, and telephone number  Yes \ No   No   Site/facility management contractor name, point of contact, and telephone number  Yes \ No   Site/facility management contractor name, point of contact, and telephone number  Yes \ No   Site/facility management contractor name, point of contact, and telephone number  Yes \ No   Site/facility management contractor name, point of contact, and telephone number  Yes \ No   Site/facility management contractor name, point of contact, and telephone number  Yes \ No   No   Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes \ No   No   No   Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes \ No   No   Reporting requirements, including (a) project management or status reports and (b) reports or publications for the public of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work to be performed or reference to a work proposal, project plan, or similar document descrite scope of work in detail  Yes \ No   Deliverables, including t	DOE Order 412 Compliance Checksheet			SP Work Author	rization Program	1		
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At a minimum, each work authorization will contain the following information:  Yes \ No   Project title and reference to work proposal number, if applicable  Yes \ No   Headquarters programmatic point of contact, organization, and telephone number  Yes \ No   Headquarters budget point of contact, organization code, and telephone number  Yes \ No   Responsible program  Responsible program Secretarial Officer  Yes \ No   Responsible program Secretarial Officer  Yes \ No   Responsible program Secretarial Officer  Yes \ No   Responsible contracting officer if different from above  Yes \ No   Responsible contracting officer if different from above  Yes \ No   Responsible contracting officer if different from above  Yes \ No   Work authorization number, with revision number if applicable  Yes \ No   Budget and reporting code and funding level  Yes \ No   Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes \ No   No   Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting offices informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes \ No   Detailed statement of work to be performed or reference to a work proposal, project plan, or similar document descrit the scope of work in detail  Yes \ No   Deliverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management, and any additional quidance that will assist the contractor in the performance of the work.	At a minimum, each work authorization will contain the following information:  Yes \ No   Project title and reference to work proposal number, if applicable  Yes \ No   Headquarters programmatic point of contact, organization, and telephone number  Yes \ No   Headquarters budget point of contact, organization code, and telephone number  Yes \ No   Responsible program  Yes \ No   Responsible program   Responsible program   Responsible program   Responsible program   Responsible program   Responsible program   Responsible field organization   Yes \ No   Responsible contracting officer if different from above  Yes \ No   Responsible contracting officer if different from above  Yes \ No   Responsible contracting officer if different from above  Yes \ No   Work authorization number, with revision number if applicable  Yes \ No   Budget and reporting code and funding level  Yes \ No   Budget and reporting code and funding level  Yes \ No   Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes \ No   Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes \ No   Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes \ No   Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes \ No   No   Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes \ No   No   Headquarters, field organization, contractor of the public of the project results (e.g., scientific advances or technical programs)  The statement of work will include the following information as appropriate:  Yes \ No   No   Requirements, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes \ No   Del	Project Title						
Yes         No         Project title and reference to work proposal number, if applicable           Yes         No         Headquarters programmatic point of contact, organization, and telephone number           Yes         No         Responsible program           Yes         No         Responsible program Secretarial Officer           Yes         No         Responsible program Secretarial Officer           Yes         No         Responsible contracting officer if different from above           Yes         No         Responsible contracting officer if different from above           Yes         No         Responsible contracting officer if different from above           Yes         No         Responsible contracting officer if different from above           Yes         No         Work authorization number, with revision number if applicable           Yes         No         Budget and reporting code and funding level           Yes         No         Dates for performance period, work 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Information Management  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Yes ○ No Project title and reference to work proposal number, if applicable  Yes ○ No Headquarters programmatic point of contact, organization, and telephone number  Yes ○ No Responsible program  Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible field organization  Yes ○ No Siterfacility management contractor name, point of contact, and telephone number  Yes ○ No Siterfacility management contractor name, point of contact, and telephone number  Yes ○ No Siterfacility management contractor name, point of contact, and telephone number  Yes ○ No Siterfacility management contractor name, point of contact, and telephone number  Yes ○ No Budget and reporting code and funding level  Yes ○ No Detes for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes ○ No Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes ○ No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpose of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Detiverables, including							
Yes No Headquarters programmatic point of contact, organization, and telephone number  Yes No Responsible program  Yes No Responsible program Secretarial Officer  Yes No Responsible program Secretarial Officer  Yes No Responsible program Secretarial Officer  Yes No Responsible program Secretarial Officer  Yes No Responsible contracting officer if different from above  Yes No Site/facility management contractor name, point of contact, and telephone number  Yes No Work authorization number, with revision number if applicable  Yes No Budget and reporting code and funding level  Yes No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes No Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting office signature blocks  Yes No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the public informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes No Required milestone dates  Yes No Deliverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidance that will assist the contractor in the performance of the work.	Yes No Headquarters programmatic point of contact, organization, and telephone number  Yes No Headquarters budget point of contact, organization code, and telephone number  Yes No Responsible program  Yes No Responsible program  Yes No Responsible program  Yes No Responsible field organization  Yes No Responsible field organization  Yes No Responsible contracting officer if different from above  Yes No Site/facility management contractor name, point of contact, and telephone number  Yes No Site/facility management contractor name, point of contact, and telephone number  Yes No Doates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpos of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes No Detailed statement of work will include the following information as appropriate:  Yes No Required milestone dates  Yes No Required milestone dates  Yes No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidence that will assist the contractor in the performance of the work.  Reviewer's Comments  This authorization is: Accepted. If rejected, then comments are provided in this space.  DOE-SR Program Point of Contact  Date  BEARS database search complete and results attached to WAD package?  Funding constrained: (Year constrained; CR; etc.) BSX Fy 2013 Budget Authority, was in a prior FinPlan. This is a Agreement Number char	<b>A</b> O						
Yes         No         Headquarters budget point of contact, organization code, and telephone number           Yes         No         Responsible program           Yes         No         Responsible program Secretarial Officer           Yes         No         Responsible field organization           Yes         No         Responsible contracting officer if different from above           Yes         No         Site/facility management contractor name, point of contact, and telephone number           Yes         No         Work authorization number, with revision number if applicable           Yes         No         Budget and reporting code and funding level           Yes         No         Dates for performance period, work start, and work completion           Statement of work (see paragraph below)         Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting office signature blocks           Yes         No         Reporting requirements, including (a) project management or status reports and (b) reports or publications for the public of the project results (e.g., scientific advances or technical progress)           The statement of work will include the following information as appropriate:           Yes         No           Detailed statement of work to be performed or reference to a work proposal, project plan, or similar document descrit the scope of work in detail	Yes No Responsible program Yes No Responsible program Yes No Responsible program Secretarial Officer Yes No Responsible program Secretarial Officer Yes No Responsible program Secretarial Officer Yes No Responsible contracting officer if different from above Yes No Responsible contracting officer if different from above Yes No Responsible contracting officer if different from above Yes No Responsible contracting officer if different from above Yes No Responsible contracting officer if different from above Yes No Site/facility management contractor name, point of contact, and telephone number Yes No Work authorization number, with revision number if applicable Yes No Dates for performance period, work start, and work completion Statement of work (see paragraph below) Yes No No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpose of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work to be performed or reference to a work proposal, project plan, or similar document describing the scope of work in detail Yes No Detailed statement of work to be performed or reference to a work proposal, project plan, or similar document describing the scope of work in detail Yes No Deliverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management Yes No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidance that will assist the contractor in the performance of the work.  Reviewer's Comments  DEE  DEE  DOE-SR Program Point of Contact  Date  Del				·			
Yes ○ No Responsible program  Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible field organization  Yes ○ No Responsible contracting officer if different from above  Yes ○ No Site/facility management contractor name, point of contact, and telephone number  Yes ○ No Work authorization number, with revision number if applicable  Yes ○ No Budget and reporting code and funding level  Yes ○ No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes ○ No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the puriof informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  Yes ○ No Detailed statement of work to be performed or reference to a work proposal, project plan, or similar document descrite the scope of work in detail  Yes ○ No Required milestone dates  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidance that will assist the contractor in the performance of the work.	Yes ○ No Responsible program  Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible field organization  Yes ○ No Responsible contracting officer if different from above  Yes ○ No Responsible contracting officer if different from above  Yes ○ No Site/facility management contractor name, point of contact, and telephone number  Yes ○ No Work authorization number, with revision number if applicable  Yes ○ No Budget and reporting code and funding level  Yes ○ No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes ○ No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes ○ No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpose of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  Yes ○ No Detailed statement of work will include the following information as appropriate:  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Reporting required ments are provided in this space.  December Reviewer's Comments  This authorization is: Accepted. If rejected, then comments are provided in this space.  December Reviewer's Comments  December Reviewer's Comments  December Reviewer's Comments  December Reviewer's Comments  December Reviewer's Revie		<u> </u>	<u></u>				
Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible field organization  Yes ○ No Responsible contracting officer if different from above  Yes ○ No Stet/facility management contractor name, point of contact, and telephone number  Yes ○ No Work authorization number, with revision number if applicable  Yes ○ No Budget and reporting code and funding level  Yes ○ No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes ○ No Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting office signature blocks  Yes ○ No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purification of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes ○ No Required milestone dates  Yes ○ No Required milestone dates  Yes ○ No Deliverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidance that will assist the contractor in the performance of the work.	Yes ○ No Responsible program Secretarial Officer  Yes ○ No Responsible field organization  Yes ○ No Responsible contracting officer if different from above  Yes ○ No Site/facility management contractor name, point of contact, and telephone number  Yes ○ No Site/facility management contractor name, point of contact, and telephone number  Yes ○ No Site/facility management contractor name, point of contact, and telephone number  Yes ○ No Dedget and reporting code and funding level  Yes ○ No Detes for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes ○ No Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes ○ No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpose of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes ○ No Detailed statement of work to be performed or reference to a work proposal, project plan, or similar document describing the scope of work in detail  Yes ○ No Required milestone dates  Yes ○ No Detiverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes ○ No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidence that will assist the contractor in the performance of the work.  Reviewer's Comments  This authorization is: Accepted. If rejected, then comments are provided in this space.  DOE-SR Program Point of Contact  Date  Belinda Beckum/SRNL/Srs  09/18/2013 12:33 PM  DOE-SR Field Budget Official			ontact, organization code	, ана тегернопе напрег			
Yes No Responsible field organization  Yes No Responsible contracting officer if different from above  Yes No Site/facility management contractor name, point of contact, and telephone number  Yes No Work authorization number, with revision number if applicable  Yes No Budget and reporting code and funding level  Yes No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes No Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting offic signature blocks  Yes No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purit of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes No Required milestone dates  Yes No Required milestone dates  Yes No Deliverables, including technical information as required by DOE O 241.1A, Scientific and Technical Information Management  Yes No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidance that will assist the contractor in the performance of the work.	Yes No Responsible field organization  Yes No Responsible contracting officer if different from above  Yes No Responsible contracting officer if different from above  Yes No Site/facility management contractor name, point of contact, and telephone number  Yes No Work authorization number, with revision number if applicable  Yes No Budget and reporting code and funding level  Yes No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpos of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes No Required milestone dates  Yes No Required milestone dates  Yes No Required milestone dates  Yes No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidence that will assist the contractor in the performance of the work.  Reviewer's Comments  This authorization is: Accepted. If rejected, then comments are provided in this space.  DOE-SR Program Point of Contact  Date  Belinda Beckum/SRNL/Srs  Jo9/18/2013 12:33 PM  DOE-SR Field Budget Official  BEARS database search complete and results attached to WAD package?  Funding constrained: (Year constrained; CR; etc.) §9X Fy 2013 Budget Authority, was in a prior FinPlan. This is a Agreement Number char		<u> </u>	al Officer	<del></del>			
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Yes ○ No	Yes No Budget and reporting code and funding level  Yes No Budget and reporting code and funding level  Yes No Dates for performance period, work start, and work completion  Statement of work (see paragraph below)  Yes No Headquarters, field organization, contractor, and if involving changes to scope, schedule, or funding, contracting officer signature blocks  Yes No Reporting requirements, including (a) project management or status reports and (b) reports or publications for the purpose of informing DOE, the scientific community, and the public of the project results (e.g., scientific advances or technical progress)  The statement of work will include the following information as appropriate:  Yes No Detailed statement of work to be performed or reference to a work proposal, project plan, or similar document describing the scope of work in detail  Yes No Required milestone dates  Yes No Associated performance-based indicators/targets consistent with DOE G 120.1-5, Guidelines for Performance Measurement, and any additional guidance that will assist the contractor in the performance of the work.  Reviewer's Comments  This authorization is: Accepted. If rejected, then comments are provided in this space.  DOE-SR Program Point of Contact  Date  Dota  Belands Beckum/SRNL/Srs  Joy/18/2013 12:33 PM  DOE-SR Field Budget Official  BEARS database search complete and results attached to WAD package?  Funding constrained: (Year constrained; CR; etc.) B9X Fy 2013 Budget Authority, was in a prior FinPlan. This is a Agreement Number char							
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3. Is the expenditure otherwise provided for, that is, is it an funding scheme?	item that falls within the scope of some other appropriation or statutory	OYON
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Approvers	Title	Assigned	Received	Status Changed	Status
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John Temple	SRNS Contractor Auth Rep	09/26/2013 11:04:42 AM  09/26/2013 01:09:46 PM	  D9/26/2013 01:09:59 PM	Concur
James Lovett	DOE-SR Contract Officer	09/26/2013 01:10:01 PM  09/30/2013 02:23:54 PM	09/30/2013 02:24:08 PM	Concur
Christine Corbin	DOE-SR Contract Mod Admin	09/30/2013 02:24:09 PM 09/30/2013 02:27:38 PM	09/30/2013 03:21:58 PM	Concur
Kathryn Davis	SRNS Contracts	09/30/2013 03:22:00 PM -	-	<u> </u>

Previous Process -	Work Authorization: Appro	vea on 09/25/2013			
Approvers	Title	Assigned	Received	Status Changed	Status
Ted Motyka	Technical POC	09/18/2013 01:26:49 PM	09/19/2013 08:42:29 AM	09/19/2013 08:44:35 AM	Concur
John Christian	DOE-SR Work Auth	09/19/2013 08:44:38 AM	09/19/2013 09:04:17 AM	09/19/2013 09:04:53 AM	Concur
Patrick Jackson	Coordinator	09/19/2013 09:04:55 AM	09/24/2013 02:57:40 PM	09/24/2013 03:02:21 PM	Concur
Harold Nielsen	DOE-SR Program POC	09/24/2013 03:02:23 PM	09/25/2013 03:39:40 PM	09/25/2013 03:44:03 PM	Concur
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**Approver Comments** 

#### Reviewers

Name	Date Time	Action
Sharon Hunter	9/18/2013 1:33:11 PM	Reviewed
Kathryn Davis	9/26/2013 11:04:32 AM	Reviewed

AMENDMEN	NT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT		1. CONTRACT ID CODE	PAGE 1	E OF PAGES
2. AMENDMEN	T/MODIFICATION NO.	3. EFFECTIVE (	DATE	4. REC	UISITION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
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SAVANNAH Attn: LL 203 LAUR	RIVER NUCLEAR SOLUT: OYD CLEVINGER ENS ST SW 298012421			98 x 10	DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORDE C-AC09-08SR22470  B. DATED (SEE ITEM 13)	R NO.	
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x	D. OTHER (Specify type of modification Clause H-28, Perform	and authority)			ITY OF:		
E. IMPORTAN	T: Contractor X is not,	is required to	sign this document and	return	copies to the is	suing office.	· · · · · · · · · · · · · · · · · · ·
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	(Signature of person authorized to sign)				(Signature of Contracting Officer)	/ _	

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243



U.S. Department of Energy Savannah River Site

# PERFORMANCE EVALUATION MEASUREMENT PLAN

Savannah River Nuclear Solutions, LLC CONTRACT NO. DE-AC09-08SR22470 Modification No. 404

Evaluation Period: October 1, 2013 through September 30, 2014

Contract No. DE-AC09-08SR22470 Modification No.404 Revision 0

U.S. Department of Energy Savannah River Operations Office Performance Evaluation and Measurement Plan

# **Approval Page**

Date:
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9/30/2013

# Approval:

Approved with the condition that
Additional PEMP revisions may be
necessary after subsequent reviews by
DOE-HQ

James Lovett, Jr.

Contracting Officer

**Contracts Management Division** 

Page 2 of 63

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Attachment B, Fee Allocation Model	
Attachment C, EM Performance Incentive Documents for fiscal year 2014	
Attachment D, NNSA Performance Incentive Documents for fiscal year 2014	

# **Revision Summary Log**

Rev. #	Rev. Date	Affected Sections / Pages	Description of Revision
0	10/01/13	All	Initial Issue for this evaluation period
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### 1. Purpose

This document serves as the Performance Evaluation Measurement Plan (PEMP) for fiscal year 2014 as identified in Section H-28, *Performance Based Incentives*, of Contract No. DE-AC09-08SR22470 between the U.S. Department of Energy (DOE) Environmental Management (EM) Savannah River (SR) and Savannah River Nuclear Solutions (SRNS) LLC, approved January 10, 2008.

Incentives are developed annually by DOE and SRNS to support mission strategies for the fiscal year and measure all work performed by the contractor during the evaluation period. The SRNS contract is a performance based contract for the management of a DOE facility governed by the provisions of FAR 17.6 and DEAR 917.6. It is a cost-reimbursement contract with provisions for a general performance fee and performance incentives as provided for in the clause in Section I entitled, DEAR 970.5215-1 Total Available Fee: Base Fee Amount and Performance Fee Amount.

The PEMP addresses development of the Performance Incentive Document (PID). This includes administration of performance measures at the contract level for total available fee defined in the contract, Section B, Supplies or Services and Prices/Costs. Incentives are approved only when funding is authorized for fee-bearing work.

National Nuclear Security Administration (NNSA) and EM incentives established under the contract are contained in the PEMP as attachments. The PEMP, incentive documents and revisions become part of the contract through contract modification.

NNSA works with DOE-SR to develop incentives for the site. Development, review and approval of incentives, and revisions, are managed through the program Head Contracting Activity; NNSA incentives are approved by the NNSA Program Administrator. The approved NNSA incentives are included as Attachment E.

#### 2. PEMP Integrated Project Team (IPT)

An Integrated Project Team (IPT) has been established in accordance with DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets. The team's charter defines specific roles and responsibilities of the IPT. IPT roles and responsibilities are further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan. Reference Attachment A, Integrated Project Team (IPT) Charter.

#### 3. The PEMP Process

The PEMP process for SRNS is based on fiscal year performance as identified in the contract. The PEMP process is further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan.

#### 3.1 Incorporating DOE, EM and Site Mission

The Savannah River Site publishes a Strategic Plan in support of DOE-EM and NNSA missions. The Strategic Plan articulates site vision and missions to successfully execute current missions, including sustainability and revitalization of site assets.

During the past several years federal and contractor staff worked together to define performance measures for strategies in order to develop performance statements, metrics and milestones. As a result of this effort, EM, NNSA and site missions are tied to the contract statement of work.

Functional areas of the contract Statement of Work identify mission-critical outcomes. Outputs and measures define how work is performed in order to meet the outcomes. This framework is used to develop criteria in the Performance Incentive Document (PID).

# 3.2 Performance Planning and modifications

The PEMP is developed with federal and contractor staff input. Both federal and contractor parties strive to reach mutual agreement on expected business, operational and technical performance and work together to develop incentives, descriptions and associated measures tied to contract level objectives, DOE strategic goals and program objectives. Incentives and their associated fee demonstrate direct flow down of DOE strategic goals and priorities.

EM and NNSA headquarters contracting authorities review and approve the PEMP and any change to an incentive's total amount of available fee. The Contracting Officer (CO) reserves the right to make unilateral decisions on all performance objectives and incentives (including the associated measures and targets) used to evaluate contractor performance, including any modifications.

The contract fee is split between EM and NNSA and the ratio is approximately a 55/45 split, making the EM fee \$25M annually. This EM fee amount is then further subdivided to each PBS based on funding, complexity and risk. EM Headquarters has given the DOE-SR Contracting Officer authority to manage contract fee, up to \$25M, thus any subsequent PEMP changes that occur at the PBS level are managed and approved by the DOE-SR CO.

The PEMP is developed and approved prior to the beginning of each evaluation period. Only the CO can change the PEMP. No changes will occur to the PEMP in the last 60 days of the evaluation period, unless with bilateral agreement between the CO and the contractor.

### 3.3 Risk Management

DOE site management uses an integrated risk management process for the EM life cycle. This process provides programmatic risk analyses of work, establishes a process for identification and management of risks and integrates risk data from prime contractors, including SRNS.

The SRS integrated approach to risk management ensures project teams and management are involved in risk identification, grading, handling, impact determination, and integration. The process concludes with preparation of the Risk & Opportunity Analysis Reports (ROAR) and contingency estimates contained in the DOE-SR Federal Risk Management Plan (FRMP) [SRS Risk Summary and Integrated Contingency Analysis]. Each project ROAR provides a summary description of the integrated approach employed in the development of a project risk plan.

An assessment process is used to identify risks and opportunities associated with each project. The risks and opportunities are analyzed and strategies developed to ensure risks are managed to acceptable levels and opportunities are identified to improve the probability of successful completion of the project work scope. A detailed description of the methodology employed for the risk and opportunity assessment conducted by each of the Integrated Project Risk Teams appears in *Manual E11*, *Procedure 2.62 Project Risk and Opportunity Analysis*.

#### 3.4 Performance Incentive Document (PID)

A Fee Allocation Model is developed by the IPT and is illustrated in Attachment B. It is used to illustrate distribution of fee based on weighting of funding, priority and complexity.

The PID is used to measure site level incentive outcomes and acceptance documentation. A PID includes: A Performance Outcome statement, Contract Output performance statements, metrics, Completion Criteria, and Acceptance (documentation) Criteria. The PID is further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan.

#### 3.5 Other Incentives

Incentives negotiated as a result of the cost reduction process per SRNS-RP-2009-01188, SRNS Continuous Improvement System Implementation will be managed per SRNS Contract clause I.42, DEAR 970.5215-4, Cost Reduction, in conjunction with the SRNS Continuous Improvement Process.

The CO may mutually negotiate with the contractor additional available fee for additional work not covered by the available budget. The funds for such work and the associated available fee are funded through the contractor's efficiencies in accomplishing the

otherwise funded work. The additional work must be performed in a safe manner meeting all necessary requirements; and the performance of the additional work cannot affect the safe, proper performance of the otherwise funded work. Any additional work will be authorized in accordance with provision in the contract entitled, *Work Authorization System* and is considered above base scope. This additional work falls under the management of DOE O 412.1A, *Work Authorization System*.

Incentives created as a result of implementing the above contract clause and/or directive will be managed per separate contract requirements, and authorized through contract modification.

#### 4. Change Control

Performance incentives and fee allocation will not be changed unless there is a significant impact by a change to the scope of the contract, baseline or funding as directed by the government or government delay affecting the contractor's ability to achieve the stated performance incentives and measures in the PEMP. Any changes are subject to DEAR 970.5243-1, Changes, as provided in the contract and must be approved by the CO and Fee Determining Official (FDO).

- 1. All proposed changes to a PID will be discussed at scheduled Award-Fee Board IPT meetings.
- 2. Following Fee Board/IPT discussion, the contractor will submit formal correspondence to the CO requesting the proposed change to the PID. The correspondence should include:
  - a. Any proposed change to the original incentive document
  - b. Proposed new incentives tied to the current Contract Performance Baseline (CPB)
  - c. Proposed fee allocation adjustment between current incentives and/or new incentives
  - d. Elimination of current incentives
- 3. Upon receiving correspondence from the contractor, the CO will consult the appropriate Assistant Manager/Office Director (AM/OD) and Subject Matter Expert to determine:
  - a. If the proposed change impacts the CPB
  - b. If the proposed change identifies new and/or unfunded scope
  - c. If the proposed change impacts multiple site organizations
- 4. If the proposed change *does not meet* any one of the above determinations, the CO will issue correspondence to the contractor approving such change to the PID that incorporates advice of the AM/OD and/or Subject Matter Expert.
- 5. If the proposed change *meets* any one of the above determinations, the CO will request the contractor develop and submit a Baseline Change Proposal (BCP) for review by the federal (site) configuration control board.
  - a. Following the recommendation of the federal configuration control board, the CO will issue correspondence to the contractor approving such change to the PID that incorporates the advice of the Fee Board.

<sup>&</sup>lt;sup>1</sup> Federal Acquisition Regulation (FAR) Subpart 16.401 requires an Award-Fee Board for conducting the award-fee evaluation.

- 6. The CO will issue a modification to the contract for any change to currently approved PID.
- 7. The CO may deny any proposed changes to the PID.

Action directed by CO correspondence is considered to be within scope of work of the existing contract. If the contractor considers that carrying out direction may increase contract costs or delay any delivery, the contractor shall promptly notify the CO orally, confirming and explaining the notification in writing as soon as possible, but within no more than five (5) working days. Following oral notification and submission of the written notice of impacts, the Contractor shall await further direction from the CO prior to implementing the action.

#### 5. Federal Oversight of Contractor Performance

Central to administration of the contract is assessment of contract performance. All federal employees performing assessments are expected to understand terms and conditions of the contract. In order to verify performance, a systematic process of assessment, analysis, documentation and feedback will be required. A range of assessment techniques from data/metric reviews and analysis, to review of self-assessments by the contractor, to formal multidisciplinary assessments will be employed. The assessments will be tailored based on the level of definition of the work requirements and complexity of the function.

Procedures for assessing contract performance are described in the SR Manual (SRM) 226.1.1D, Integrated Performance Assurance Manual. The intent of the oversight processes described in the manual is to assure contractor compliance with contract requirements, provide for timely identification and correction of deficient conditions, verify effectiveness of completed corrective actions, and pursue excellence through continued improvement. Additionally, the manual is intended to assist DOE in implementing the site contractor oversight system (a management framework of related processes to determine whether federal and contractor assurance programs are performing effectively and/or complying with DOE requirements).

The contractor oversight system is founded on an integrated safety management system (ISMS), emulating DOE P 450.4A, Safety Management System Policy. SRM 226.1.1D describes processes comprising the contractor oversight system, which enables DOE to: (1) clearly communicate requirements and expectations to contractors; (2) assess the quality, effectiveness, and efficiency of contractor assurance systems and resulting work products in complying with contract requirements; (3) effect continuous improvement in contractors' operations; and (4) enhance the effectiveness of DOE-SR oversight of contractor performance.

The contractor oversight system provides DOE site management information needed to make informed decisions regarding both contractor and DOE performance and to determine whether program corrections are necessary. Communicating requirements and expectations to the contractor is an essential component in the contractor oversight system. Requirements and expectations are communicated through the Statement of Work, special clauses, contract modifications, and through technical direction by the CO or representative.

SRM 226.1.1D provides detailed requirements for standardized scheduling, planning, conducting, reporting, and follow-up and closure activities for Type 1, 2, and 3 Assessments. Assessments are designed to provide managers with meaningful, accurate, and current information on the status of program compliance, productivity, and quality. Use of standardized assessment methods is a key feature of DOE site performance assurance.

#### 6. Performance Evaluation

The evaluation criteria of this plan are applicable at the contract level **and not** to individual projects or work objectives under the contract. As such, although this plan uses subjective evaluations to rate the contractor and determine the final amount of fee earned for overall contractor performance, objective measurements of contractor performance are included in the plan to support the FDO evaluation and articulate to the contractor what is expected to be achieved for program success during the evaluation period. The actual fee determination and the methodology for determining fee remain unilateral decisions made solely at the discretion of the Government, although the final fee determination is subject to the Disputes clause.

The contractor documents completion of incentives in the electronic Fee Invoicing System (FIS) and forwards documentation to the relevant DOE organization technical representative, who in turn will perform a verification of documentation to confirm output criterion has been met. This may also require an in-field validation. Validation of the work will be accepted, in accordance with the performance criteria, and documented in the DOE-SR STAR system and the FIS.

Upon verification, recommendation is forwarded through management to the Award-Fee Board. The Fee Board verifies documentation provided demonstrates satisfactory completion according to PID requirements through presentation by the AM/OD, including peer-level discussion. Fee recommendation to the FDO will be made according to the PID.

The contractor may perform self-assessment of their performance. The Fee Board will review any assessment provided by the contractor. If the Fee Board does not concur with the contractor's self-evaluation and recommendation, all such disagreements shall be expressed in a performance evaluation letter to the contractor. The contractor shall submit written comments and any supporting documentation to the Fee Board within five (5) working days of receiving the evaluation letter. Within ten (10) working days of receiving any contractor comments or reclama, the Fee Board shall provide the FDO a recommendation, including amount, rationale, and justification.

Disputes that occur during verification, and resolution is not forth coming between the contractor and the appropriate AM/OD, will be resolved by the Performance Fee Board during regularly scheduled meetings.

#### 7. Payment of Fee

Fee described herein is earned based upon the contractor's performance of the overall contract level requirement during the evaluation period. The contractor begins the evaluation period with 0% of the available fee and earns fee during the evaluation period. The potential for the

contractor to earn 100% of the fee amount is a mutual goal as it demonstrates the program's objectives were clearly communicated and achievable.

The contractor requests provisional fee payment by submitting an invoice. Following verification by the relevant AM/OD a recommendation is forwarded to the Award-Fee Board and FDO. The FDO determines fee payment, following Award-Fee Board review and recommendation. Determination of fee earned is the unilateral decision of the FDO.

The contractor will be advised in writing of the amount and basis of the performance incentive fee determination. Performance incentive fee not earned during the performance period will not be allocated to future performance periods. However, fee may be allocated to new performance-based incentives as developed by the IPT, as long as the completion of the newly developed incentive does not extend beyond the evaluation period.

Fee is considered provisional throughout the performance period. The FDO unilaterally determines the total fee awarded to the contractor. Fee may be reduced per contract Section B.9, DEAR 970.5215-3 Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (JAN 2004) ALTERNATE II [JAN 2004] [DEVIATION].

Contract clause H-33, PROVISIONAL PAYMENT OF INCENTIVE FEE, allows provisional payment of fee for partial completion of subjectively evaluated [subjective] incentives. The contractor may request up to 50% of the total fee available for each subjective incentive. If requests are monthly, the contractor must use a 1/12 divisor; if requests are quarterly, then 1/4 divisor; if semi-annual, then 1/2 divisor. Provisional fee is not considered earned fee, and is contingent upon a final fee determination by the FDO.

Total available fee amount earned payments are made by direct payment or withdrawn from funds advanced or available under the contract, as determined by the CO. The CO may offset against any such fee payment the amounts owed to the government by the contractor, including any amounts owed for disallowed costs under the contract. No base fee amount, or total available fee amount, payment may be withdrawn against the cleared payments financing arrangement without the prior written approval of the CO.

The contractor has developed an automated FIS that uses measurement data from each PID. The contractor works with DOE to identify appropriate DOE approvers. The system assigns responsibility to each output so that the routing process ensures appropriate review by federal and contractor staff. Time limits are assigned to each step to ensure smooth processing and timely approvals. The system notifies responsible approvers when the review / approval allotted time has been exceeded.

#### 8. Government Furnished Services/Items (GFS/I)

GFS/I are factored into the final fee determination for this incentive contract. GFS/I are identified in the Basis of Estimates (BOE) found in WBS dictionaries for specific tasks. The purpose of the GFS/I are to identify inherent government responsibilities that may pose some level of risk to the contractor in completing incentives. GFS/I are the burden of the government,

mutually accepted as part of the performance agreement. If the Government fails to achieve GFS/I equitable adjustment may be made specific to the incentive. These adjustments, however, cannot exceed the maximum available fee for the specific incentive.

# 9. Reporting Requirements

The contract requires each report must be accompanied by a letter or other document which:

- Identifies the contract number under which the item is being delivered; and
- Identifies the contract requirement or other instruction which requires the delivered item(s).

The contractor is responsible for maintaining all records and controlled documents related to the PEMP per DOE O 200.1A, *Information Management Program*, and DOE Order 243.1, *Records Management Program*.

# Attachment A, Integrated Project Team (IPT) Charter

# INTEGRATED PROJECT TEAM (IPT) CHARTER

IPT NAME:

PEMP Integrated Project Team (IPT)

LEVEL OF IPT:

Savannah River Operations Office, Deputy Manager

#### IPT MISSION/OBJECTIVES

The IPT provides site senior federal management a process for evaluating and measuring performance tied to strategic goals. This charter defines roles, responsibilities, authorities and accountabilities for this process. The mission of the IPT is to enable performance and help avoid potential barriers to success.

The Deputy Manager is the DOE-SR Executive Sponsor of the IPT and Fee Board Lead. The IPT is comprised of federal and contractor employees. Federal members include the CO, Performance Incentive Managers, Technical Leads, NNSA SRSO Manager and NNSA NA-262. Contractor members include Management and Operations (M&O) Vice President for Business Services, SRNS Director of Contracts, and Technical Leads. The IPT is augmented as necessary with Subject Matter Experts and matrix support personnel (both federal and contractor) who possess specific competencies, skills and expertise required for successful execution of projects.

The CO has authority to make final decisions on all performance objectives and incentives (including associated measures and targets) used to evaluate Contractor performance, in accordance with the Contract, Section H-28 (b). The DOE-SR Site Manager is an ex officio member of the IPT. The Site Manager is the FDO.

#### SCOPE OF IPT RESPONSIBILITIES

#### IPT Executive Sponsor/ Fee Board Lead

The IPT Executive Sponsor also serves as the senior federal member of the Fee Board. The IPT Executive Sponsor is the federal official responsible for project success. In accordance with DOE O 413.3B, the IPT Executive Sponsor is responsible for the following:

- Charter and lead the IPT
- Schedule and hold IPT meetings
- Request support from DOE functional resources as required to resolve issues
- Lead Fee Board assessment and discussion of contractor performance
- Identify and resolve critical issues

#### IPT Members

IPT members are responsible for supporting the Executive Sponsor with technical and project management responsibilities during project execution. Members conduct and/or coordinate activities for their respective organizational element or functional area of responsibility. IPT members are responsible for the following:

- Ensure interfaces are identified, defined, and documented
- Review and assess performance and project status against parameters, baselines, milestones, and deliverables
- Support the IPT Executive Sponsor
- Review and comment on deliverables

The names of IPT members listed below are current as of the issue date of this charter. Names or functional responsibilities may change at the discretion of the IPT Executive Sponsor without having to modify or update this charter. The Table identifies IPT members, Fee Board members, and Technical Leads.

#### Award-Fee Board Organization

The Fee Board is a subset of the IPT. The Fee Board is comprised of federal IPT members. Fee Board members discuss proposed revisions to PID and incentive documentation, review supporting documentation for fee payment determination, and make recommendations to the FDO via the Fee Board Lead.

The Fee Board is responsible for assuring quality assessments have been completed for feebearing work, and that the assessment has been formally documented per site directives before recommending payment of fee to the FDO.

#### Fee Board Rules of Conduct

#### Call to Order:

The IPT Executive Sponsor, acting as Fee Board Lead, will call the Fee Board portion of the meeting to order following dismissal of all non-federal IPT members.

### Fee Board presentation:

The Fee Board Lead will open the floor for federal staff to discuss IPT presentations regarding matters such as proposed revisions to PID, supporting documentation for fee payments, or general discussion of performance. The Performance Incentive Manager leads the presentation related to his/her PID. Other Fee Board members may discuss the presentation and make recommendations to the Performance Incentive Manager.

#### Fee Board determinations:

Following Fee Board presentations, or if there are none, the Fee Board Lead will lead an informal review and discussion of completed fee-bearing work that is being considered for invoicing, including supporting documentation for fee payment determination. Performance Incentive Managers, or their designee, are responsible for discussing completion documentation and evaluation of performance of the fee-bearing work.

Following discussion, Fee Board members make a motion to:

- Accept the recommendation of the Performance Incentive Manager for the incentive as described in the invoice;
- Accept the recommendation of the Performance Incentive Manager, but request additional documentation be added to document satisfactory completion of the incentive as described in the invoice;
- Require additional documentation in order to recommend a determination.
- Require federal manager attend next scheduled Fee Board to discuss adequate documentation in order to recommend a determination.

Fee Board members may support, or second, the motion and provide discussion. No quorum is required for the Fee Board meeting. The Fee Board Lead, observing no objections, shall accept the motion with Manager NNSA SRSO, or designee, concurrence.

NAME	FUNCTION	ORGANIZATION
MOODY, Dave	IPT Member [ex officio] DOE Fee Determining Official [FDO]	DOE-SR Site Manager
SMITH, T. Zack	IPT Executive Sponsor/Co-Fee Board Lead	DOE-SR Deputy Manager
HINTZE, Doug	IPT/Co-Fee Board Lead/Performance Incentive Manager	Assistant Manager for Mission Support (AMMS)
MCGUIRE, Pat	IPT/ Performance Incentive Manager	Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)
SPEARS, Terry	IPT /Performance Incentive Manager	Assistant Manager for Waste Disposition Project (AMWDP)
ADAMS, Angelia	IPT/ Performance Incentive Manager	Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)(acting)
HOOKER, Karen	IPT/ Performance Incentive Manager	Director, Office of Laboratory Oversight (OLO)
DEAROLPH, Douglas	IPT/Fee Board Member/Performance Incentive Manager	Manager NNSA SRSO

CLARK, William	IPT/ Performance Incentive Manager	Manager NNSA NA-262
LOVETT, James	IPT Member [ex officio] Fee Board Member	Contracting Officer M&O Contract
DAVIS, Peggy	IPT Member	Vice President SRNS Support Services
TEMPLE, John	IPT Member	Director SRNS Contracts Management
CHRISTIAN, John	DOE IPT Technical Lead	Program Analyst for Mission Planning Division
PENNINGTON, Michele	SRNS IPT Technical Lead	SRNS Contracts Management

### Attachment B, Fee Allocation Model

# **Funding Assumptions for Fee Allocation**

Funding for fiscal year 2014 represents targets SRNS will use in the FY14-18 Baseline Update, with DOE-SR concurrence. These funding targets reflect a "reasonable" program that is regulatory compliant. Any changes to these funding targets will require analyses to determine impacts at the Contract Output level.

#### Fee Allocation (based on current funding assumptions)

Funding comes from EM Project Baseline Summaries (PBS) and NNSA funds. Funds are divided into two categories: contract scope cost is directly funded (direct). Scope cost for support activities funded indirectly by placing a tax on individual funds. See table below for FY14 estimated funding:

Est. Funding	Funding Source:		
\$254,992,000	PBS 11C		
43,130,000	PBS 12		
50,137,000	PBS 13		
51,809,000	PBS 30		
23,339,000	PBS 20 (EM Safeguards & Security)		
\$423,407,000	Total EM Funding		
101,528,000	Nuclear Nonproliferation Funding		
239,460,000	Defense Programs Funding		
12,868,000	NNSA Safeguards & Security		
\$777,263,000	Total Projected Funding without Minors and WFO [NOTE: This does not include ESS/Legacy pension support to SRR (PBS 14C)]		

The M&O contract identifies \$46,535,000 available fee for the contract period (October 2013 through September 2014). When the fee is subtracted from the Total Projected Funding, the fee base in entire fiscal year 2014 becomes \$730,728,000.

For fiscal year 2014, EM provides 55 percent of the Total Projected Funding, while NNSA provides 45 percent. This percentage is used to allocate the contract fee between EM and NNSA. For fiscal year 2014, EM will manage \$25M of fee applied to incentive work for the evaluation period. NNSA will manage \$21M of fee applied to incentive work for the evaluation period.

Performance Incentive Documents in Attachment C (EM) and Attachment D (NNSA) were developed based on the current President's budget for fiscal year 2014, adjusted by DOE-SR. Work described is based on the current contract. Actual performance of contract outputs may be revised based on an approved fiscal year budget, continuing resolution, program execution

guidance, and/or available funding. All work is performed within existing financial agreements and authorization.

EM Fee is distributed based on the projected funding as indicated below:

PBS	President's Budget	Fee Distribution
PBS 11C	\$254,992,000	\$15,267,000
PBS 12	\$43,130,000	\$2,582,000
PBS 13	\$50,137,000	\$3,002,000
PBS 30	\$51,809,000	\$3,102,000
PBS 20	\$23,339,000	\$1,397,000
EM Funding / Fee	\$423,407,000	\$25,350,000

The following is the DOE-SR EM suggested incentives summary by program for the fiscal year 2014 performance period:

Program	Objective	Subjective	Total
Nuclear Material Stabilization (AMNMSP)	\$8,900,000		\$8,900,000
Environmental Stewardship (AMIES)	\$3,490,000		\$3,490,000
Waste Disposition (AMWPD)	\$1,800,000		\$1,800,000
Landlord Services (Includes: SRNL, Planning, Infrastructure, Landlord Services, Safety, Safeguards & Security, ESSH)	\$6,160,000	\$5,000,000	\$11,160,000
Total	\$20,350,000	\$5,000,000	\$25,350,000

# Attachment C, EM Performance Incentive Documents for fiscal year 2014



# Performance Incentive Document

PID Number:	SRNS2014EMO		
Activity Name:	Environmental Management Operations		
WBS Number:	1.29.20.04, 1.29.20.05		
Performance Period:	October 1, 2013 - September 30, 2014		
Allocated Fee:	\$8,900,000		
Revision Number:	0		
Senior level manager/Performance Incentive Manager:		Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)	
Senior technical advisor:		Allen Gunter	

#### **Contract Performance Outcome:**

Receive, store, ship, and disposition nuclear materials in a safe, and secure manner. Operate and maintain the H Canyon Complex to support disposition of nuclear materials. Receive Foreign Research Reactor (FRR) and Domestic Research Reactor (DRR) used nuclear fuel (UNF) in L Basin in coordination with the NNSA Nuclear Nonproliferation Program and other applicable DOE programs. Expand KAC capacity with construction of the Final Storage Vault and expand capabilities with implementation of planning activities for WIPP blending while maintaining DOE-STD-3013 DE surveillances. Implement risk reduction actions at 235-F and reduce F-Area costs.

# Contract Output SRNS2014EMO-01:

Receive, characterize, and disposition materials in H-Area.

# Description/Background/Justification:

Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include:

maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials.

# Up to \$3,900,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$200,000	Ship one LEU trailer offsite for TVA contract.
EMO-1.01			

#### **Acceptance Criteria**

DOE-SR will validate the LEU shipment via the MC&A Form 741 transfer documentation for the one LEU shipment. GFSI: Vendor must be ready to receive trailers by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	a.\$300,000	a. Complete SRE charging and dissolution.
EMO-1.02	9/30/14	b.\$200,000	b. Transfer SRE to a sludge batch.

#### **Acceptance Criteria**

DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000;	Charge two bundles of UNF or Pu to the H Canyon
EMO-1.03		\$125,000	dissolver or probe the dissolver twice per shift crew
		fee paid each	per quarter to maintain proficiency.
		cacii	
		quarter.	

#### **Acceptance Criteria**

DOE-SR will review H Canyon dissolver probing procedure 221-H-1987 or actual dissolver charging procedure to ensure a minimum of two actual UNF or Pu bundles or two dissolver probings were completed for each shift each quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000;	Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run or actual hot
EMO-1.04		\$125,000	ops to address equipment operability and maintain
ł	1	fee paid	operator proficiency. (Due to Liquid Waste Min.,
1		each	only two 1 <sup>st</sup> Cycle and two 2 <sup>nd</sup> Cycle Cold Runs per
		quarter.	year.

#### **Acceptance Criteria**

DOE-SR will review the completed quarterly Cold Run Operations start-up and shut-down procedures and summary data sheets for the one cold run performed for that quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Prepare and issue a revised H Canyon Resumption
EMO-1.05			Plan each quarter.

#### Acceptance Criteria

DOE-SR will review the SRNS issued quarterly H Canyon Resumption Plan to ensure appropriate elements.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000	Dissolve one batch of Pu (approximately 20 kgs).

EMO-1.06			
Acceptance	Criteria		
		solving proced	ures or MC&A signed data sheet.
		01	<b>C</b>
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	a.\$150,000	a. Implement Waste Min. action to revise the
EMO-1.07	(a and b)		sump flush program to track transfers.
		b.\$150,000	b. Implement Waste Min. action to recycle HB-
	}		Line column waste for use in 6.4D.
	9/30/14	c.\$150,000	c. Implement Waste Min. action to improve
	(c and d)		neutralization formula for WAC
	(		implementation.
	1	d.\$150,000	d. Implement Waste Min. action to refine LAW
			operation and acid stripping process.
Acceptance	Criteria	La La La La La La La La La La La La La L	
		implemented ]	Liquid Waste Minimization actions by procedure or
document rev			
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	a.\$500,000	a. Complete HFIR planning preps with the
EMO-1.08			exception of the H Canyon NCSE/DSA
			revision, flowsheet, hydrogen generation study,
	ľ		dissolver insert and storage rack design,
			fabrication, and installation that may not be
			completed if funding/staffing is limited.
	6/30/14	b.\$100,000	b. Perform evaluation of attractiveness level "C"
			UNF material for H-Canyon dissolution.
Acceptance	Criteria	· · · · · · · · · · · · · · · · · · ·	
		completed HF	TR planning preps and the completed evaluation of
attractivenes	s level "C" I	JNF material.	
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Complete Canadian Liquid unloading and piping
EMO-1.09	ľ		Design.
Acceptance	Criteria		
		nadian HEU L	iquid unloading and piping design documents.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$150,000	Implement all actions needed to resume WIPP
EMO-1.10			blending.
Acceptance	Criteria		····
Acceptance	OT HOUSE		

# **Contract Output SRNS2014EMO-02:**

Receive, store, characterize and disposition surplus plutonium and uranium materials in K Area.

# **Description/Background/Justification:**

K Area will continue to perform surveillance of the DOE-STD-3013 containers in storage. K Area will continue to receive and store containers of surplus plutonium and uranium from off-site. K Area facilities will initiate the planning to allow disposition of surplus plutonium oxide for future transfer to WIPP. K Area will continue with construction of Final Storage Vault.

#### Up to \$2,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.01	9/30/14	\$500,000; \$125,000 paid quarterly.	Prepare and receive off-site items in K Area.

#### **Acceptance Criteria**

DOE-SR will review SOP-PHS-001-K to verify receipts to KAC or review operator and FLMs MSA qualifications to verify facility is ready to receive.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$225,000;	Complete 9 Destructive Evaluation (DE)
EMO-2.02		\$25,000 per	Surveillances on DOE-STD-3013 Storage
	ł	can,	Containers.
ļ	ì	invoiced	
	<u> </u>	quarterly.	

#### **Acceptance Criteria**

DOE-SR will review K-Area Interim Surveillance Log Sheet (FRM-CSS-002-K or equivalent) and the Surveillance Program Authority (SPA) Data Set 1 parameters for the DE sample.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$100,000	K Area will submit to DOE the SRNS approved
EMO-2.03			DSA/TSR supporting Final Storage Vault (FSV).

# Acceptance Criteria

DOE-SR will review the SRNS approved DSA/TSR supporting FSV.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	8/31/14	\$250,000	Complete Final Storage Vault (FSV) project
EMO-2.04			construction.

#### **Acceptance Criteria**

DOE-SR will review the completed FSV construction project documents.

Date	Fee	Contract Output Completion Criteria:
3/31/14	\$500,000	Complete Readiness Assessment on DSA Rev.
	}	10/TSR Rev. 41 to expand K Area capabilities.
		30 St. 2 St. 12

#### Acceptance Criteria

DOE-SR will observe RA activities as desired and review the RA declaration of readiness.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.06	9/30/14	\$200,000; \$10,000 per	K Area will perform 20 Pu measurements.
		can.	

#### Acceptance Criteria

DOE-SR will review the non-destructive analysis measurement form.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$125,000	Support IAEA Inventory Inspections.
EMO-2.07			

#### Acceptance Criteria

DOE-SR will validate that KAC personnel provided adequate preparation and support during the IAEA Inventory inspections.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Complete FSV +34 or the +48 roof replacement.
EMO-2.08			

#### **Acceptance Criteria**

DOE-SR will review the roofing subcontractors completion document or the 8Q-51 safety walkdown (OSR 20-22) completed by SRNS.

#### **Contract Output SRNS2014EMO-03:**

Reduce risks at 235-F and improve F-Area infrastructure.

### Description/Background/Justification:

This contract output supports innovative and cost effective means to implement the 235-F risk reduction Implementation Plan actions while reducing costs to the F-Area baseline.

# Up to \$1,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.01	3/30/14	\$100,000	Revise F-Canyon Complex Surveillance and Maintenance (S&M) Plan to allow transition to reduced S&M.
Acceptance	Criteria		

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.02	6/30/14	a. \$50,000	a. Determine feasibility to reduce to a single 292- F exhaust fan operation mode with a single 254-13F "SS" Diesel. Assumes DNFSB concurrence with proposal.
	9/30/14	b. \$50,000	b. Issue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.

# **Acceptance Criteria**

DOE-SR will review the SRNS approved feasibility study for a single 292-F exhaust fan supported by a single 254-13F "SS" diesel generator and the design to support the implementation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$50,000	Determine feasibility study to stop water intrusion
EMO-3.03			to 221-F RR Tunnel and 800 Underground Cell.

# **Acceptance Criteria**

DOE-SR will review the SRNS approved water intrusion feasibility study.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	12/30/13	\$100,000	Submit DSA/TSR for F/H laboratory based on leak
EMO-3.04			path factor evaluation.

# Acceptance Criteria

DOE-SR will review the SRNS approved DSA/TSR for the F/H lab based on leak path factor evaluation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.05	9/30/14	\$650,000; paid at completion of each action item as noted.	SRNS will complete the following 235-F Risk Reduction Actions and provide to DOE approximately 30 days before the DOE IP commitment date as noted in the "Date" column: a. Deliver the Graded EP Drill Report (Action 3- 4). (\$50,000) b. Complete a Readiness Assessment for the Deactivation BIO and submit RA Report (Action 1-4). (\$100,000) c. Complete removal, isolation, or encapsulation of Fixed Combustibles and provide a final report to DOE (Action 2a-3). (\$150,000) d. Complete Electrical De-energization scope and provide a final report to DOE (Action2b-2). (\$150,000) e. Complete installation and acceptance of the FDAS and provide a final report to DOE

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#### **Acceptance Criteria**

DOE-SR will review the SRNS approved and completed 235-F IP actions.

# **Contract Output SRNS2014EMO-04:**

Receive, unload, and store Used Nuclear Fuel (UNF) in L Area.

### Description/Background/Justification:

L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmenting Monitoring and Condition support to maintain the facilities in a safe and operable condition.

# Up to \$2,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014	9/30/14	\$500,000;	Receive and unload FRR/DRR fuel per schedule.
EMO-4.01		\$125,000	-
		paid	
		quarterly	

# **Acceptance Criteria**

DOE-SR will review Cask Data Sheets for casks received and unloaded against the Receipt and Unloading Schedule Agreement. During quarters that fuel is not received, documentation will be provided for review showing readiness to receive was maintained.

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014	9/30/14	\$500,000	Complete UNF Preps for HFIR readiness with the
EMO-4.02			exception of the L-Area DSA, OSA-7 and the new cask insert (if required) which are dependent on funding and staffing.

#### **Acceptance Criteria**

DOE-SR will review the HFIR planning preps were completed with the exception of the L-Area DSA, OSA-7 and new cask insert (if required).

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.03	6/30/14	\$500,000	Complete the removal of "cob webs" from the basin.

#### **Acceptance Criteria**

DOE-SR will observe the basin vacuuming activities or observe the basin following the completion of corrective actions to remove the "cob webs".

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.04	9/30/14	\$500,000	Complete NRU/NRX interim schedule milestone.
Acceptance	Criteria		
		at the NRU/N	IRX interim milestone was completed on schedule.



# Performance Incentive Document

SRNS2014SW		
Solid Waste	*	
1.29.32.25		
October 1, 2013 –	September 30, 2014	
\$1,800,000		
0		
ormance Incentive	Terry Spears Assistant Manager for Waste Disposition Project (AMWDP)	
vision manager:	Jim Folk	
	Solid Waste  1.29.32.25  October 1, 2013 –  \$1,800,000	

#### **Contract Performance Outcome:**

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall ensure that the handling, treatment, storage, transportation and disposal of the remaining "legacy" and the newly generated solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

The Contractor shall manage and integrate site-wide solid waste recycling, treatment, storage, disposal and transportation activities and implement waste minimization/pollution prevention initiatives. The Contractor shall also provide on-site/off-site waste generators with technical support and verification of compliance with waste acceptance criteria, including Safety Basis and Performance Assessment objectives.

### Contract Output: SRNS2014SW-01

There are two areas of primary focus taken from the Contract Performance Outcome: 1) ensure the transportation, handling, storage, and disposal of low level waste is environmentally sound, cost effective, and in compliance with DOE Directives, applicable regulations, and requirements; and 2) continued disposal of legacy TRU waste.

### Description/Background/Justification:

Timely disposal of LLW will facilitate waste generators' normal operations, prevent potential spread of contamination, ensure regulatory compliance, reduce the need for waste storage space, maximize labor resource utilization and reduce the overall cost of SRS waste management. DOE Order 435.1 drives the timely disposal of wastes generated at DOE sites. The ARRA program remediated and repackaged legacy TRU wastes into WIPP compliant packaging. This waste has been WIPP certified or was identified as LLW and is awaiting disposal. Disposal of the legacy TRU is also a high priority for the State of South Carolina.

Up to \$1,800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$800,000;	LLW will be disposed in a timely manner such that
SW-1.01		\$200,000	in-storage time will be < 3 months in duration.
		per quarter	Exceptions may be approved by DOE upon request.
	ļ		

#### **Acceptance Criteria**

DOE will perform validation by reviewing, on a quarterly basis, the time in storage for the LLW not permanently disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.02	6/30/14	\$400,000	TRU – Complete disposal of all legacy TRU packaged in SLB2s via TRUPACT-III shipments. Assumptions for this incentive include: 4 shipments per week; 6 week WIPP shipping outage and various non-shipping holidays during the period of performance.

#### Acceptance Criteria

DOE will perform validation by reviewing the remaining legacy TRU inventory and assuring that all of the SLB2s have been disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.03	9/30/14	\$500,000	Complete disposal of all legacy, contact handled, TRU waste at the WIPP Site. This includes all LLW and MLLW re-characterized from the TRU legacy program. This incentive assumes that DOE-CBFO will continue to fund characterization and shipping and provide adequate shipments. SRNS will work a 40 hour work week. Containers
	Ì	1	WMPSLB022C, WMPSLB018B, SR21524413,
	J		and SR21524414 are excluded.

#### **Acceptance Criteria**

DOE will perform validation by reviewing Waste Inventory Tracking System (WITS) reports and documented legacy waste identified in the "Original Volume Tracking" Excel spreadsheet.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.04	9/30/14	\$100,000	A closure plan for TRU Pad 16 and modifications to the TRU Pad Volume of the Site RCRA Permit will be submitted to DOE-SR in support of submittal to SC-DHEC. The modifications will include reduction of prescriptive wording (e.g. requirement to be radiologically non-contaminated) and provide a sound technical rational for both the modifications and the closure plan.
Acceptance	Criteria		
DOE will per modification		ation by accep	ting the closure plan and proposed permit



# Performance Incentive Document

PID Number:	SRNS2014ACP						
Activity Name:	Area Completion	Area Completion Project					
WBS Number:	1.29.32.01, 1.29.3 1.29.32.06	1.29.32.01, 1.29.32.02, 1.29.32.03, 1.29.32.04, 1.29.32.05, 1.29.32.06					
Performance Period:	October 1, 2013 –	October 1, 2013 – September 30, 2014					
Allocated Fee:	\$3,490,000						
Revision Number:	0						
Senior level manager/Performance Incentive Manager:		Karen Guevara Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)					
Senior level supervisor/di	vision manager:	Angelia Adams					

#### **Contract Performance Outcome:**

Meet all regulatory commitments, develop and implement alternative long range strategies, technologies and approaches in the refinement of the Area Completion Strategy and long-term stewardship.

### **Contract Output SRNS2014ACP-01:**

Meet all FFA Milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments due between October 1, 2013, and September 30, 2014, as described in the Federal Facility Agreement for the Savannah River Site (Administrative Document # 89-05-FF) and the SRS RCRA Part A & B Permits (SC 1890 008 089) to meet the Area Completion Strategy.

### Description/Background/Justification:

Full compliance with all Area Completion Project FFA milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments will allow SRS to meet regulatory requirements that will meet the Area Completion Strategy to clean up the SRS and reduce the Site footprint. Establishing regulatory commitments and milestones is the most direct way for the regulators and stakeholders to measure the progress of DOE EM cleanup activities at SRS. The regulatory and stakeholder support of the SRS depends on continued full regulatory compliance and achievement of commitments and milestones.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.01			milestones are achieved from October 1, 2013,
			through March 31, 2014.

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.02			milestones are achieved from April 1, 2014,
		}	through September 30, 2014.

### **Acceptance Criteria**

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

### Contract Output: SRNS2014ACP-02:

Evaluate additional EC & ACP groundwater sampling and reporting activities to identify opportunities to reduce costs within PBS-30 and ESS.

### Description/Background/Justification:

In FY 2012, DOE-SR incentivized the development of a comprehensive Groundwater Monitoring and Reporting Optimization Plan and Report (SRNS2012ACP-02) that identified opportunities for optimization of monitoring networks and reductions in the long-term costs of groundwater monitoring at units where mature and established groundwater programs were underway. In 2013, DOE incentivized SRNS to negotiate and implement optimization activities consistent with the plan (SRNS2013 ES-12.01 and 12.02).

This Phase II proposal is to develop a similar Groundwater Monitoring and Report Optimization Plan that will focus on the remaining groundwater units that were not included in Phase 1 because they did not have a mature established monitoring program under RCRA/CERCLA or because they are associated with regulatory programs other than RCRA and CERCLA, such as Underground Storage Tanks, Landfills and the Clean Water Act.

## Up to \$500,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.01	2/28/14	\$250,000	Prepare and provide to DOE ACP a Groundwater Optimization Plan by 2/28/14.

### Acceptance Criteria

SRNS –EC & ACP will provide a Phase II Groundwater Monitoring and Reporting Optimization Plan that will provide for identification and documentation of opportunities for groundwater optimization of monitoring networks/reporting and reductions in the long-term costs of groundwater monitoring for groundwater units, that was not included in the Phase I Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.02	9/30/14	\$250,000	Prepare and provide to DOE ACP a report documenting the groundwater monitoring and reporting optimization opportunities.

### Acceptance Criteria

SRNS will provide a report outlining the results of the groundwater monitoring evaluation to DOE and DOE will approve. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

### Contract Output SRNS2014ACP-03 (Deferred from FY 13):

Automate environmental field and analytical data to automatically generate routine reports and improve reporting capability. Program and deploy electronic field devices to replace the use of paper logbooks to improve quality of field data collection. Program data collection system to automatically generate routine reports to improve speed and overall accuracy of data reporting.

### Description/Background/Justification:

DOE SR is obligated to collect, manage, maintain and report environmental data to meet requirements of DOE Orders and environmental regulations and statutes, including DOE Order 458.1, Radiation Protection of the Public and Environment and RCRA, CAA, CWA, and CERCLA.

The Environmental Restoration Data Management System (ERDMS) is used to manage environmental monitoring data. This system requires extensive manual data review and tracking of data generating reports of varying quality. Also, field monitoring results are collected in paper logbooks and collection accuracy is highly dependent on minimizing human error. Routine reports are generated with a high level of human involvement.

## Up to \$390,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$150,000	Program and deploy handheld devices to transfer
ACP-3.01			monitoring data directly into ERDMS.

## Acceptance Criteria

EC & ACP will demonstrate and will document the use and effectiveness of electronic handheld devices to collect field information and data transfer into ERDMS vs. the use of paper field logbooks for effluent monitoring and environmental surveillance programs.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$240,000	Modify ERDMS to automatically generate routine
ACP-3.02			monitoring reports.

### Acceptance Criteria

EC & ACP will demonstrate and document the development and implementation of program to generate automated environmental reports, such as the Monthly Discharge Monitoring Reports, the Monthly Radiological Releases Reports, the Wildlife Hunt Reports, and the Weekly and the Quarterly Tritium Reports by reviewing the reports for completeness, accuracy and compliance with reporting deadlines.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

### **Contract Output SRNS2014ACP-04:**

Complete characterization of Building 690-N to support future Deactivation and Decommissioning.

### Description/Background/Justification:

Building 690-N (Ford Building) is a high risk facility with significant radiological and PCB contamination. The facility is deteriorating and requires frequent maintenance to mitigate the spread of existing contamination. A Decommissioning Plan was completed and submitted to DOE in FY 13 (Contract Output SRNS2013ES-16.01) that included recommendations for characterization to quantify the nature and extent of contamination and condition to support future D&D of the facility.

The Ford Building is a steel frame/siding structure constructed in the early 1950s to test motor control packages for the R, P, L, K and C Reactors. In the 1960s, the structure was modified to support the repair and rework of Reactor heat exchangers. Key facilities and/or structures associated with 690-N include:

- 652-44N electrical substation and fuel oil containment dike (provided electricity and fuel oil for heating to the building),
- Deionizer trailer (used to remove radiological contaminates from Reactor disassembly basin water), and
- Transport trailer (utilized to haul heavy loads between Reactor areas and stored adjacent to the 690-N Building).

PCB-contaminated oils were used in milling/lathe operations for heat exchanger repair in 690-N (Ford Building). In 1997, these PCB-contaminated oils were found to have contaminated equipment and the floor in the building. An initial clean-up was performed and the residual contamination was encapsulated with a floor coating in 1998. Inspections conducted since 1998 continue to reveal areas where PCB-contaminated oil has migrated up through the floor coating, necessitating regular maintenance and reapplication of the coating material. The extent of PCB contamination below the 690-N Building is undetermined. The Deionizer trailer is not thoroughly characterized, but is assumed to contain lead and high levels of radiological contamination based on the conditions of trailers used for similar purposes at the SRS.

### Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	8/31/2014	\$100,000	Complete characterization of the 690-N Ford
ACP-4.01			Building and its ancillary equipment and facilities
			(652-44N, Deionizer and Transport Trailers).

### **Acceptance Criteria**

EC & ACP will complete and document characterization completion of Building 690-N and its ancillary equipment and facilities. The result are needed to support future deactivation and decommissioning and removal/remedial action(s)

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.



# Performance Incentive Document

PID Number:	SRNS2014SRNL				
Activity Name:	Savannah River National Laboratory (SRNL)				
WBS Number:	Numerous				
Performance Period:	October 1, 2013 – September 30, 2014				
Allocated Fee:	\$4,750,000				
Revision Number:	0				
Senior level manager/Perf Manager:	Ormance Incentive	Karen Hooker Director, Office of Laboratory Oversight Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)			
Senior technical advisor:		Patrick Jackson Jay Ray			

#### **Contract Performance Outcome:**

SRNL's three-fold mission is to enable the success of SRS and the Office of Environmental Management (EM) operations and projects, to provide technical leadership for future site missions, and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government. The vision for SRNL is to be the nations' premier laboratory in Environmental Management, National & Homeland Security, and Energy Security (Source: SRNS Contract).

## Contract Output: SRNS2014SRNL-01 (Pat McGuire)

Deliver Disposition Paths for Nuclear Material.

### Description/Background/Justification:

SRS's unique facilities and capabilities enable it to support consolidation and processing of nuclear materials from other DOE facilities as well as other U.S. and foreign sources. This is important for reducing nuclear and proliferation threats, avoiding the additional costs of protecting materials at multiple sites and enabling closure of other facilities that are no longer needed.

The Site will continue to safely and securely store nuclear materials (plutonium, enriched uranium, used nuclear fuel, and other nuclear materials) pending disposition to meet commitments to the State of South Carolina.

#### Plutonium

SRS has been placed in a lead role by DOE to dispose of plutonium from the cleanup of weapons facilities throughout the DOE Complex.

Plutonium from the cleanup of weapons facilities (non-pit plutonium) has been primarily consolidated at SRS where, depending on future decisions, it is planned to be disposed of by a variety of alternative means including;

- Packaging (including blending as needed) and shipping to the Waste Isolation Pilot Plant (WIPP) in New Mexico
- Converting to reusable nuclear fuel by dissolving Pu in H Canyon, converting to Pu Oxide in HB-Line for future processing at MOX

### **Highly Enriched Uranium**

SRS has the capability to support the DOE complex-wide effort to down blend excess HEU to a more useable and less proliferable low enriched uranium (LEU) enrichment. The LEU is provided to a commercial fuel vendor. The vendor uses the LEU to manufacture commercial nuclear fuel for use in commercial reactors for the generation of electricity. Additional LEU commitments from the processing of Used Nuclear Fuel (UNF) will be made to TVA. Receipt of Canadian Liquid Uranium is another source to meet LEU deliveries.

### Used (Spent) Nuclear Fuel

SRS supports the nation's nonproliferation goals by receiving U.S. owned/loaned HEU fuel from foreign countries. The UNF is safely being stored in L Basin pending disposition.

SRNL provides technical support and consultation for this mission.

Up to \$650,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$225,000	Provide technical support to Nuclear Materials
SRNL-1.01			for the Plutonium Surveillance Program including
			3013 Destructive Examination (DE) program, and continuation of plutonium shelf life corrosion studies and 9975 life extension testing.
			a. Complete FY14 data set 2 analyses for # DE packages.
	L .		b. Complete unloading of Series 3 of shelf life

		c.	-	lete FY	nual rep		9975 Li	fe
5.000	ar . Santa are	1 1 1 1 1 1 1	1.5	equity."	 100000	11.776.12	707 pag.	1.50

DOE-SR will perform validation of the following:

- a. Loading and initial data sheets for Series 3 of shelf life studies.
- b. FY14 data set 2 analyses for 3013 Program.
- c. FY14 annual report on 9975 Life Extension o-ring test fixtures.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-1.02	9/30/14	\$75,000	Provide technical support to Nuclear Materials for the Spent Fuel Program.  a. Complete extracted basin core testing and prepare and issue degradation evaluation
			report.  b. Complete revision of corrosion surveillance program plan to include increase in coupon withdraw and analysis schedule; new rack material; and automated characterization and
			optimized corrosion analysis.  c. Complete report for detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.  Report to include corrosion, thermodynamic
			and kinetic analysis for fuel clad systems to provide estimate of fuel and internal water activity conditions.  d. Complete analysis of handling and
			transportation challenges from L to H area in damaged and vulnerable fuel (sectioned SS, zircaloy stored in OS canisters) including evaluating particulates and hydrogen generation from radiolysis and corrosion.

## Acceptance Criteria

DOE-SR will perform validation of the following:

- a. Degradation evaluation report.
- b. Revision of corrosion surveillance program plan.
- c. Report on detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.
- d. Analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014	9/30/14	\$350,000	Develop and demonstrate flowsheets and
SRNL-1.03	ł	-	equipment for application in H-canyon/HB-Line.
			Potential scope could include:

a. Fabrication and deployment of crawler to inspect ventilation system.
b. Flowsheet development for next set of material to be processed.
c. Program to reduce the amount of waste sent to the Tank Farms.
d. Provide requested support to H-Canyon for processing used Nuclear Fuel (UNF) such as
Hydrogen Generation Studies.

DOE-SR will perform validation of the agreed upon items for FY14.

### Contract Output SRNS2014SRNL-02 (Karen Hooker):

Deliver products and services that reduce technical risk and enhance the schedule of liquid high level waste dispositioning. SRNL will enable DOE-EM mission success by providing the increased scientific and technological rigor needed to support EM program and project planning, technology development and deployment, project execution, and assessment of program outcomes.

### Description/Background/Justification:

EM's goal is to reliably complete radioactive liquid waste treatment, safely manage the treated waste and meet DOE commitments to close the liquid waste tanks, while incorporating new technology and to enhance efficiency. In so doing, EM is closing the circle on the legacy of radioactive liquid waste.

At SRS, the insoluble sludge solids from tank waste are vitrified at the Defense Waste Processing Facility (DWPF) and converted into a solid glass form. The salt waste is processed to remove of the radioactivity with the decontaminated salt solution being disposed onsite in grout at the Saltstone facility. The Tank Closure Program at SRS has made significant progress. Tank Closure Program activities are on schedule to meet or exceed all Federal Facility Agreement commitments.

At Hanford, construction is well underway on the Pretreatment and Vitrification facilities. SRNL experience at SRS can be utilized to support flowsheet and other technology development activities.

In addition to the contractor support efforts described above EM has commissioned the SRNL to coordinate the engagement of the national laboratory community to bring the scientific and technological rigor needed to evaluate/prioritize alternatives, define/execute technology development as appropriate, and provide the DOE with an "owners representative" to inform decisions and reduce technical and programmatic risks in conjunction with PNNL. Under this direction, and consistent with their role as Federally

Funded Research and Development Centers (FFRDC), the SRNL/PNNL team will work closely with DOE site offices, contractors and other national laboratories to establish a framework for sustainable laboratory engagement and collaboration.

In addition to the strategic role for EM, SRNL will execute technology development tasks for EM-20 that support the EM Complex.

Up to \$1,245,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$700,000	Execute scope to provide technical bases,
SRNL-2.01	-		characterization results, consultation in support of
	l		SRS Tank Waste Projects. These efforts are likely
	}		to include support for the following:
			a. DWPF/Saltstone waste form, flowsheet,
	Ì		sludge batch qualification. Qualify next
1	1		sludge batch including developing
			processing options and frit formulation -
			dependent on SRR schedule for canister
	l		production.
	}		b. Tank Farm sample characterization,
	}		corrosion program. Perform sample
		i	characterization (dependent on sample
			needs) and support corrosion control
	ł		program.
	ļ		c. Tank Closure sample characterization.
			Characterize any closure samples received
		1	to determine residual material left in tanks.
	}	1	d. Salt Processing. Qualify needed salt
ļ	}	]	batches and support deployment of next
			generation solvent.
		1	e. Tank Closure/Saltstone Waste Disposition.
l			Support SRR PA work through modeling
			and experimental scope - dependent on
			facility needs.

## **Acceptance Criteria**

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.02	9/30/14	\$470,000	To maintain and enhance SRNL as a pre-eminent center for research, development, and deployment of technologies to cleanup the environmental legacy of the Nation's nuclear programs, SRNL will lead and execute scope for Hanford by providing technical bases and consultation. Scope

	to include:
	a. Continue work on "strategic" tasks for ORP
	initiated in FY13 - including options for dealing
]	with Tc, waste qualification strategies, process
	scenario evaluations, and glass formulation
	approaches. This effort could move into
	leading and executing Grand Challenges in
	support of the high level waste processing
	system at Hanford.
<b>,</b> , , , , , , , , , , , , , , , , , ,	b. Perform work for Hanford Contractors
	including WRPS and WTP. Potential scope
	areas include continuing work on Caststone, Tc
	removal options, development of waste
	qualification equipment and approaches.
	c. Continue leadership of the National Laboratory
<b>}</b>	Technical Authority Team in support of the
	WTP Full Scale Vessel Qualification Testing
	Program.

DOE-SR will perform validation of the programs discussed above.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.03	9/30/14	\$75,000	Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts could include:  a. Cementitious Barriers Partnership.  b. Long term glass corrosion studies.  c. Potential work in separations areas.

### Acceptance Criteria

DOE-SR will perform validation of the programs supported.

### Contract Output SRNS2014SRNL-03 (Karen Hooker):

Develop and deploy Next Generation Cleanup Technologies.

## Description/Background/Justification:

The environmental cleanup of SRS will continue to receive emphasis for the foreseeable future as we reverse the environmental impact from legacy operations performed on the Site. With each success, the Site becomes safer for future generations and less costly to maintain. These cleanup operations are not trivial nor are they straightforward.

SRS has had to develop new and innovative applied technologies in order to accomplish much of the cleanup. This will continue to be the case as the cleanup challenges get more

and more difficult. SRS plans to make these new technologies available across the country and internationally to assist others in their own cleanup efforts. SRS technological expertise and knowledge in cleanup has been highlighted to assist Japan in the remediation efforts at the Fukushima-Daiichi Nuclear Power Station.

SRNL efforts are likely to include programs in Environmental Compliance & Area Completion Projects (EC&ACP), Solid Waste Management (SWM), Technology Development for EM-10, and programs to support Japan's remediation of the Fukushima site.

## Up to \$470,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.01	9/30/14	\$50,000	Provide technical support for SRNS Environmental Compliance & Area Completion Projects that may include the following.
			a. Provide technical support and report development to Environmental Compliance & Area Completion Projects (EC&ACP) in meeting regulatory milestones and deliverables (e.g., finalize 5 year ROD review deliverable, complete an H-tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan, complete an F-Tank Farm Groundwater Sampling and Analysis Plan, develop a Five-Year Remedy Review).
			b. Continue development and transition to passive environmental technologies and approaches for EC&ACP waste site remediation (e.g., T-Area).
			c. Continue support for operating systems and final closure of groundwater and vadose units (e.g., field sampling and analytical support for EC&ACP technology demonstrations and performance analysis for SVE operating treatment systems).

## Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.02	9/30/14	\$160,000	Provide technical support for SRNS Solid Waste Management. SRNL plans to:

a.	Develop and submit to DOE the FY 2014
	Performance Assessment Maintenance Plan.
b.	Develop and submit to DOE the FY 2014
	Composite Analysis Maintenance Plan.
c.	Develop and submit to DOE the FY 2013 PA
1	Annual Review report.
d.	Develop and submit to DOE the FY 2013 CA
	Annual Review report.
e.	Develop and submit to SWM the UDQE to
	assess new modeling information.
f.	Complete and issue TBD reports.

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.03	9/30/14	\$100,000	Provide technical development for EM-10 on Environmental Compliance (EM-11), Soil & Groundwater Remediation (EM-12), D&D and Facility Engineering (EM-13).
			a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.
			b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.
			c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD developments.

## Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.04	9/30/14	\$100,000	SRNL is the EM's Corporate National Laboratory across the EM complex and will seek to diversify its customer base and funding sources for SRNL to increase efficiencies for the benefit of all of its customers. SRNL will provide technical support and expertise, and global leadership in support of Fukushima cleanup and remediation efforts that may include the following:  a. Lead development and negotiations of new business contract(s) with Tokyo Electric Power Company (TEPCO) in Japan.

t	Execute PNNL partnership to support technical scope of contract with TEPCO.
	Work with governmental agencies (Department of Energy, Department of State, etc.) to identify and establish SRNL leadership in U.S. government efforts supporting Fukushima remediation by the Ministries in the Government of Japan (MOE, METI, MEXT, etc.).
d	Deliver emergent support to Fukushima cleanup based on EM laboratory leadership, capabilities and expertise

DOE-SR will perform validation of the following:

- a. Negotiated contract(s) with TEPCO.
- b. PNNL partnership performance.
- c. SRNL participation or leadership in governmental agency support to Fukushima remediation.
- d. Validate laboratory support to emergent Fukushima cleanup issues. Validation will include pass/fail consideration for the above listed components.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.05	9/30/14	\$60,000	Relocate the Packaging Certification Program (PCP) Docket files from Germantown, Maryland to Savannah River National Laboratory. Transition the EM-33 PCP Docket Manager from Eagle Research to SRNL.

### Acceptance Criteria

DOE-SR will perform validation of the programs supported.

### Contract Output SRNS2014SRNL-04 (Karen Hooker):

Develop Solutions to Close and Better Secure the Nuclear Fuel Cycle.

### Description/Background/Justification:

SRNL helps develop the nations' used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. This is facilitated by SRNL leadership in Clean Energy initiatives aligned with the DOE Sustainability Plan goals.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	As part of the SRNS Contract, SRNL will provide
SRNL-4.01		}	technical leadership for future site missions, and
			utilize its technical expertise to provide vital
	İ		national and regional support in achieving the
	ļ	ļ	broader goals of DOE and the federal government,
			and maintain and enhance the core competencies
	1		that are necessary to support assigned and future
			missions of EM and NNSA programs at SRS. As
	{		part of this mission, SRNL will develop and lead
	]		the nations used (spent) nuclear fuel cycle
			initiatives through participation in the DOE Fuel
	1	ł	Cycle Research and Development (FCR&D)
			Program. Perform DOE-NE FCR&D program
1	1	İ	funded work activities as specified in the Program
			Information Collection System NE (PICSNE)
			defined in terms of cost, schedule and technical
}	ł		performance. Complete all required Level 2 and
			Level 3 milestones (number TBD) for the Used
			Fuel Disposition Campaign, Separations and Waste
			Forms Campaign, and Fuel Cycle Options
			Campaign.

DOE-SR will perform validation of the following: completed reports, presentations, and publications identified in the funded DOE-NE FCR&D scope.

## Contract Output SRNS2014SRNL-05 (Karen Hooker):

Reduce greenhouse gas emission via Clean Alternative Energy Project.

## Description/Background/Justification:

SRNL facilitates complex-wide accomplishment of the DOE Sustainability Plan goals through innovative leadership in Clean Energy activities in support of DOE renewable energy strategic initiatives.

SRNL continues to be heavily involved in a number of initiatives that will reduce greenhouse gases in accordance with Executive Order 13514. SRNL's Hydrogen Storage Engineering Center of Excellence will continue to advance the concept of clean fuels based on the hydrogen technology that SRS has developed over years of tritium research and production. SRNL has a number of other projects to reduce greenhouse gas emission, including solar and methane, which is a key SRS strategic initiative and goal for EM sites.

Up to \$325,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$325,000	The vision for SRNL is to be the nation's premier
SRNL-5.01		Ì	applied science laboratory in Environmental
			Management, National and Homeland Security, and
			Energy Security. As part of the efforts in Energy
	ł		Security the following Clean Energy Projects will be completed:
	ļ		be completed.
			a. Hydrogen Storage Engineering Center of
			Excellence-Technical Work Scope: Complete
ł			design and begin assembly of a two liter
	,		prototype cryo-adsorbent hydrogen storage prototype.
		ļ	b. Basic Science: Have accepted for publication in
			the area of energy storage and conversion three
			technical articles in peer reviewed journals with
			impact factors $= >3$ .
			c. Methane opportunities for Vehicular Energy -
			Complete a test station for evaluation of a two
			liter prototype methane adsorption system
-	}		meeting the DoE technical targets.
			d. SunShot "Low-Cost Metal Hydride Thermal
			Energy Storage System for Concentrating Solar
			Power Systems" - Complete FY14 milestone:
			Complete system model and evaluate at least
			one metal hydride material pair capable of
ļ		}	meeting DOE SunShot thermal energy storage
			targets as defined in Statement of Project
	}	1	Objectives.
			e. SunShot High Temperature Corrosion Analysis
			of Molten Salt Systems for CSP Applications.  Commission high temperature thermal gradient
		1	and fluid flow corrosion apparatus system for
			molten salt systems as outlined in Statement of
			Project Objectives (SOPO).
	<u> </u>	<u></u>	1 Toject Objectives (SOFO).

DOE-SR will perform validation of the following:

- a. EERE program management acknowledgement of requirements delivered as specified.
- b. Copies of acceptance letters and 2013 journal impact factors.
- c. Completed test station and approved HAP.
- d. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.
- e. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.

## Contract Output SRNS2014SRNL-06 (Karen Hooker):

Expand the SRNL presence in National Security.

## Description/Background/Justification:

SRNL support for DOE-IN Nuclear Materials Information Program.

SRNL utilizes its technical expertise to provide services and products for the DOE-IN. The DOE-IN Nuclear Materials Information Program (NMIP) develops and maintains a comprehensive information system on foreign special nuclear materials (SNM) capable of being utilized in nuclear weapons. This system is maintained on classified networks and is updated with current intelligence annually.

SRNL technical support for DOE-IN Foreign Nuclear Program.

SRNL utilizes its technical expertise to provide services and products for DOE-IN's Foreign Nuclear Program. SRNL provides technical analysis and programmatic support to DOE-IN and to other agencies within the United States Intelligence Community (USIC). National Laboratories and their Field Intelligence Elements (FIE's) provide DOE's technical input to all issues of weapons production and utilization by foreign nuclear programs. SRNL's FIE provides important technical leadership, analysis and input on current issues, foreign facilities and weapons materials production.

The SRNL counterintelligence program primarily consists of an expansive awareness function, a counterintelligence investigative capability, an analysis element and a multifocused cyber component. The Senior Counterintelligence Official (SCIO) leads the integrated counterintelligence effort against foreign intelligence, terrorism threats directed at SRNL, and also has direct managerial oversight for the overall performance of the office, personnel and financial management of the CI program.

## Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-6.01	9/30/14	\$200,000	The vision for SRNL is to be the nation's premier applied science laboraty in Environmental Management, National Security, and Energy Security. As part of the work on National Security, SRNL will provide technical support for DOE-IN as follows:
			Deliver to US Policy Makers technical reports and assessments of foreign nuclear weapons programs that have been reviewed and

published by DOE-IN.
b. Update 100% of the Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible.
c. Promote Counter Intelligence (CI) site-wide by conducting awareness briefings and training for all on-site contractors.

DOE-SR will perform validation of the following:

- a. Technical reports and assessments of foreign nuclear weapons programs have been reviewed and published by DOE-IN.
- b. 100% of Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible are updated.
- c. CI awareness briefings and training are completed for all on-site contractors.

### Contract Output SRNS2014SRNL-07 (Karen Hooker):

SRNL Infrastructure Sustainment.

### **Description/Background/Justification:**

SRNL offers a unique combination of capabilities, equipment, and infrastructure that are not available anywhere else in the United States. Although SRNL was originally built as a part of the nuclear weapon complex to maintain the U.S. nuclear deterrent, the facilities obtained and constructed for that purpose represent a significant asset to the site, region, and country and it is poised to solve National issues. The SRS vision targets SRNL to be the central hub as SRS expands its business segments to address DOE needs that capitalize on historic SRS competencies and capabilities. SRNL will actively seek ways to revitalize and present these assets for more wide-spread beneficial use.

Up to \$1,485,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	SRNL will implement High Priority Safety Basis
SRNL-7.01	ļ	]	scope and nuclear infrastructure improvements as
			defined in the approved FY14 SVS Implementation
			Plan as developed between DOE-SR OLO and
			SRNL. This Implementation Plan will be updated
	ł		as needed and on an annual basis to:
			a. Meet selected project milestones for identified

		High Priority DNFSB Scopes.
<u> </u>	<u></u>	b. Complete Safety Basis scope improvements.
	<del></del>	
l perform c	ompletion vali	dations per the FY14 SVS Implementation Plan.
Date	Fee	Contract Output Completion Criteria:
9/30/14	\$390,000	As defined in the approved FY14 SVS
		Implementation Plan jointly developed by DOE-SR
		OLO and SRNL, complete A Block window
ł	1	replacements with no adverse impact to EM Liquid
		Waste mission work.
Criteria:		
l perform c	ompletion vali	dations per the FY14 SVS Implementation Plan.
Date	Fee	Contract Output Completion Criteria:
9/30/14	\$695,000	As defined in the approved FY14 SVS
	, ,	Implementation Plan jointly developed by DOE-SR
	ļ	OLO and SRNL, reduce deferred maintenance
	,	backlog by effective management of Construction
]		Maintenance orders (CMO) and Major Maintenance
	1	scopes and effective execution of IGPP projects.
Criteria:		
	ompletion vali	dations per the FY14 SVS Implementation Plan.
Date	Fee	Contract Output Completion Criteria:
	\$100,000	As defined in the approved FY14 SVS
9/30/14	4,	• •
9/30/14	4100,000	Implementation Plan jointly developed by DOE-SR
9/30/14		Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the
9/30/14		Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the
9/30/14		Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the
Criteria		Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost.
Criteria		Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to
<b>Criteria</b> Il perform c	completion vali	Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost.  Idations per the FY14 SVS Implementation Plan.
Criteria ll perform c	completion vali	Implementation Plan jointly developed by DOE-SR OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost.  Idations per the FY14 SVS Implementation Plan.  3 (Karen Hooker):
	Date 9/30/14  Criteria: 1 perform c  Date 9/30/14  Criteria: 1 perform c	Date Fee 9/30/14 \$390,000  Criteria: 1 perform completion vali  Date Fee 9/30/14 \$695,000  Criteria: 1 perform completion vali

SRNL; establish a comprehensive vision for the future; and effectively apply innovative

solutions to meet DOE mission needs.

## Up to \$75,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-8.01	9/30/14	\$75,000, paid upon completion of items a-b	<ul> <li>a. Provide a framework that allows for documentation of laboratory management for 1) Effective use of partnerships (internal, academic, community, government agencies, etc.), 2) Maintenance of core competencies and retention of employees, 3) Improvement in internal business processes and goals, 4) Business unit strategies, and 5) Effective use of recommendations from external reviews.</li> <li>b. Proceed with implementation of the University Relations Program Plan developed in FY13.</li> </ul>

## Acceptance Criteria

DOE-SR will perform validation of the following:

- a. Documentation of the improved institutional management of SRNL.
- b. Implementation Status Report for the FY13 University Relations Plan.



# Performance Incentive Document

PID Number:	SRNS2014LS		
Activity Name:	EM Landlord Services		
WBS Number:	Various / Indirect		
Performance Period:	October 1, 2013 – September 30, 2014		
Allocated Fee:	\$1,410,000		
Revision Number:	0		
Senior level managers:		Angelia Adams, Acting AM Infrastructure & Environmental Stewardship (AMI&ES) Doug Hintze, AM Mission Support (AMMS)	
Senior level supervisor/division manager:		David Bender Nick Delaplane	

### **Contract Performance Outcome:**

The Contractor shall execute assigned landlord responsibilities and provide a range of services to other organizations doing work on the Savannah River Site. This section includes Site Services and Business Services.

## Contract Output SRNS2014LS-01:

The Contractor shall meet all SRNS agreed upon scheduled milestones to plan & execute development of SRS Sustainability initiatives and High Performance Sustainable Buildings (HPSB) program objectives to meet scheduled site sustainability goals.

### Description/Background/Justification:

DOE has approved a Complex-wide Strategic Sustainability Performance Plan. This plan addresses such topics as greenhouse gas emission reductions, High Performance Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to make progress toward goals established for 2015 and 2020. The benchmark for the HPSB 15% reduction is defined in Executive Order (E.O.) 13514 section 2(g).

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
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SRNS2014 LS-1.01	12/31/13	\$100,000 — fee is earned by meeting all milestones.	a.	Develop the FY14 Site Sustainability Plan for the Savannah River Site in accordance with the DOE-HQ annual guidance document by 12/31/13.
	1/31/14		b.	Prepare the SRS Consolidated Energy Data Report (CEDR) in accordance with annual DOE-HQ guidance documentation by 1/31/14.
	9/30/14		c.	Continue development of High Performance Sustainable Buildings (HPSB) Program objectives by completing the following activities:
				<ul> <li>Conduct lighting-specific walkdowns of facilities, to determine how to comply with the automated lighting controls objective associated required by the HPSB Guiding Principles and develop layouts summarizing how compliance will be achieved.         Determine FY15 funding requirement to complete objective.     </li> <li>Complete metering objective by installation of meter and establishing monthly meter readings for all facilities in HPSB scope.</li> <li>Update EPA Portfolio Manager database as needed to show status of HPSB objectives for all buildings</li> </ul>

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agency-wide Strategic Sustainability Performance Plan.
- b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE-HQ for use in DOE agency-wide data collection.
- c. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.

### Contract Output SRNS2014LS-02:

The Contractor shall develop and implement cost efficient approaches to reduce government

liability.

## Description/Background/Justification:

Initiatives are needed to address site energy costs and infrastructure support of current and future missions. Site Services will also evaluate organizational practices to identify efficiency gains and cost improvements and achieve government liability reduction where appropriate.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-2.01	5/31/14	\$150,000	Partnering with DOE in the negotiation of a new five-year contract with South Carolina Electric & Gas Company, including the following:  • Participate with DOE in the contract development process and negotiation of terms and costs.  • Provide financial analysis through evaluation of life cycle cost options for the contract.

### Acceptance Critieria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Review SRNS Contract-involvement summary report
- Evaluate the effectiveness of SRNS involvement and recommendations concerning the development of the new contract and rate structure.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-2.02	9/30/14	\$150,000	Develop an Infrastructure Alignment Plan/Study that outlines infrastructure right sizing recommendations, including footprint reduction that will coincide with current and future missions, SRNS baseline operations and funding profile (e.g. facilities, roads, infrastructure systems, etc.) Implement infrastructure right-sizing recommendations as approved by DOE and as funding is available.
			as funding is available.

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Perform walkdown of the targeted systems/processes for the scope.
- Evaluate effectiveness of recommendations.
- Validate evidence of implementation.

### Contract Output SRNS2014LS-03:

The Contractor shall meet all SRNS agreed upon scheduled milestones to actively seek cost effective opportunities to reduce government liability and benefit the community through the DOE Asset Revitalization Initiatives and Programs.

## Description/Background/Justification:

The identification, leveraging, revitalization, and disposition of site assets reduce EM liability, minimize lifecycle cost, and achieve Footprint reduction. Wherever it is cost effective, utilize the SRS Community Reuse Organization to provide additional opportunities to benefit the surrounding community. Site Services will continue to evaluate consolidation of facilities, services and functions for cost improvements.

## Up to \$110,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$110,000	Provide liaison support for a successful transition
LS-3.01			of the privatization of the SRNS ESS Facilities
			Maintenance.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate documentation defining transition process.
- Review and evaluate effectiveness of the transition support.

### **Contract Output SRNS2014LS-04:**

The Contractor shall meet all SRNS agreed upon scheduled milestones to cost effectively maintain SRS plant systems, components, structures, and also improve maintenance processes to meet site missions and positively address deferred maintenance issues.

## Description/Background/Justification:

Procedure Manual 1Y, Conduct of Maintenance, is established for effective management of plant systems, structures and components at the Savannah River Site. These standards comply with the requirements of the Department of Energy (DOE) Order 433.1B, Maintenance Management Program for DOE Nuclear Facilities. The requirements ensure a safe and cost effective maintenance program at SRS.

## Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Continue the implementation of the Maintenance

LS-4.01		Paperless Work Package. Achieve 10% more EM paperless work packages completed in FY14 compared to the average of last four months in FY13 as baseline.
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DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Randomly sample electronic work packages.
- Evaluate trending results for EM facilities.
- Evaluate Time & Cost savings documentation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.02	9/30/14	\$100,000	Continue the implementation of the Preventive Maintenance (PM) optimization process.  • Evaluate and incorporate Predictive Maintenance (PdM) in the process.  • Demonstrate savings in overall efficiency gain.

### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Verify the PM baseline.
- Evaluate effectiveness of the optimization process.

## Contract Output SRNS2014LS-05:

The Contractor shall sustain and/or modernize site facilities/infrastructure, provide quality Shops services to achieve mission goals/milestones and ensure a safe and secure workplace for all SRS personnel.

### Description/Background/Justification:

The SRS infrastructure is approaching 60 years old. Over the past 10 years, funding for infrastructure repairs/replacement declined considerably due to budget challenges. The Critical Infrastructure Integrated Priority List (CIIPL) was implemented to identify the most critical projects for SRS. The Contractor will execute funded projects and provide quality Shops services to ensure a safe and secure workplace for all SRS personnel.

## Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	Execute Infrastructure modernization/improvement
LS-5.01			Utility system projects, sustaining activities and

	liability reduction work scope (e.g. water systems, electrical distribution system, etc.).

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate Summary Report and perform field walkdown of completed activities consistent with infrastructure IPL.
- Review Final Acceptance Inspection (FAI) documents or Work Packages of completed work scope.
- Before and after photographs of completed modernization work scope as feasible.

## Contract Output SRNS2014LS-06:

### **Real Property Asset Management**

The Contractor shall meet all SRNS agreed upon scheduled milestones by leveraging the Real Property Asset Management Program and Facility Information Management System (FIMS) data to effectively manage SRS infrastructure needs.

## Description/Background/Justification:

SRNS will ensure compliance of DOE Order 430.1B Real Property Asset Management Program and implement DOE-HQ requirements for asset replacement value. The Facility Condition Assessment Survey (CAS) Inspections will continue in FY14. In addition, improvements to the accuracy of the SRS Actual Maintenance Cost Reporting Data will continue to be implemented for the HQ FIMS.

## Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-6.01	9/30/14	\$200,000.00	a. Evaluate and begin implementation of the Corrective Action Plan to more accurately capture SRS Actual Maintenance Cost Reporting. Subsequently, provide data input to support Site Planning integration.
			b. Demonstrate cost reduction and/or cost avoidance by:
			<ul> <li>Integrating impacts of ARRA project completion, site housing consolidation planning, workforce restructuring, site mission changes and lessons learned from</li> </ul>
			Condition Assessment Survey (CAS) inspections into the RPAM SmartPlan

## (SRNS-RP-2011-00202). Revise RPAM SmartPlan requirements to more cost effectively implement DOE Order 430.1B. • Evaluating Facility assessments conducted by other organizations (Engineering, maintenance, Operations, etc.) for CAS applicability. c. Leverage Real Property Asset Management Program (RPAM) for the Site, develop a tailored approach for the Replacement Value (RPV) of agreed upon unique/critical facilities and initiate implementation. d. Evaluate Facility Information Management System (FIMS) database and make recommendations for data improvements. Also, update and maintain information of over 2,000 FIMS real property records to ensure the data is accurate and reliable. e. Continue to perform CAS inspections to ensure SRS meets the facility condition assessment 5

### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

year cycle.

- a. Review the Actual Maintenance Corrective Action Plan and evaluate the Cost Reporting implementation. Review and evaluate the evidence of data input to Site Planning.
- b. Review documentation that outlines the following:
  - Cost avoidance scenario(s) from the various integrated site impacts.
  - Assessment of cost avoidance as reported.
  - Revised Condition Assessment Survey Process that maximizes cost reduction and/or cost avoidance.
- c. Evaluate RPV for H-Canyon, DWPF and SRNL 773-A Lab.
- d. Review evidence of implementation documentation in DOE-HQ FIMS records demonstrated by performance against metrics implementation schedule.
- e. Review Condition Assessment Survey (CAS) Reports for the structures inspected in

Contract No. DE-AC09-08SR22470 Modification No.404 Revision 0

FY14. In addition, DOE-SR will perform field walk down on randomly selected completed facilities/structures and then verify that CAS data has been placed into the DOE-HQ Condition Assessment Information System (CAIS).

### **Contract Output SRNS2014LS-07:**

### Site Integrated Planning and Business Process Improvement

The Site Integrated Planning process integrates site mission planning and real property asset management. These recommendations and objectives will demonstrate improved linkage and dependencies at strategic, operational and tactical levels in support of the successful execution of the Site missions and landlord functions at SRS that includes support of all Site tenant organizations. Additionally, there will be a continued focus on improving crosscutting business processes that support the provision of services to Site missions.

### Description/Background/Justification:

Execution of planned missions requires support from multiple functional organizations on site. Improving efficiency of crosscutting business processes required by these support groups will decrease cost and improve execution schedules. An additional goal is to improve those crosscutting processes.

### Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-7.01	9/30/14	\$100,000	Update the Land Use Plan to reflect the results of the DOE-SR Planning Process.
A 4 4	C1 . *4 *		

#### **Acceptance Criteria**

DOE will be provided / will review the following for validation:

• Final Draft of the revised plan for review and publication.

### **Contract Output SRNS2014LS-08:**

### **Interface Management**

The Contractor shall execute Interface Management with site tenants to deliver landlord services in support of mission execution.

## Description/Background/Justification:

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Effective implementation of site interface management process (necessary maintenance and communication of interface processes, procedures and agreements) results in the effective delivery of landlord services. This ensures an efficient process to support tenant site mission completion activities.

Annually the Interface Management Team develops a lessons learned regarding the interfaces of the tenants. These recommendations are the basis for the improvements defined in items 2 and 3.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Improve the SRS Interface Management Process
LS-8.01			by supporting DOE in the implementation of the
			Site Policy Manual SRSPM 250.1.1B.
}		}	Note: This improvement is defined in the 2013
}		1	Interface Management Lessons Learned developed
ļ			by the Interface Management Team:
			1. Providing support in developing a matrix of
ł		}	current contractor (SRNS, SRR, MOX,
		}	SWPF, WSI) applicability for each policy.
			2. Provide suggested handling strategies for
			the major contract omissions (i.e. contract
	~	<u> </u>	modification, policy modification)

### **Acceptance Criteria**

DOE-SR will review the Contractor Applicability Matrix and suggested handling strategies.



# Performance Incentive Document

PID Number:	SRNS2014SUB.	Ţ	
Activity Name:	Management &	Operations - Subjective	
WBS Number:	Various / Indirec	et	
Performance Period:	October 1, 2013	- September 30, 2014	v:
Allocated Fee:	\$5,000,000		
Revision Number:	0		
Senior level manager:		Doug Hintze Assistant Manager Mission Support (AMMS)	
Senior level supervisor/division manager:		Nick Delaplane	

### **Contract Performance Outcome:**

### **Operations Support**

The Contractor shall implement site-wide programs and coordinate their implementation with all site organizations. The Contractor shall provide technical support for all its activities and operations. The Contractor shall also provide technical support for other organizations as directed by the CO or as requested by other organizations and approved by the CO. Except as otherwise directed by the CO, services to other contractors generally do not extend to within their facilities or areas under the control of other tenant organizations.

#### **Business Services**

The Contractor shall provide general planning, management and administrative services for all its activities and for other organizations as directed by the CO.

### Contract Output SRNS2014SUBJ-01:

This incentive is measured with an adjectival rating to measure technical performance, cost control, schedule performance and business relations / management for all of the fiscal year 2014 authorized scope.

This Contract Output will receive an adjectival grade and numerical score. In order to

provide for consistency across the Complex, DOE-SR will use the five tier adjectival ratings and definitions set forth in FAR 16.4 described below.

Adjectival Rating	Percent of allocable fee	Definition
Excellent	91% - 100%	Contractor has exceeded almost all of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76% - 90%	Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Good	51% to 75%	Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	1% to 50%	Contractor has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	0%	Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.

### Description/Background/Justification:

To achieve its vision and implement all desired management improvement efforts will require an organized, systematic approach to project execution. EM has developed and implemented the EM Program Management System (EMPMS) to clarify roles and responsibilities, to provide for more integrated operations, and to further establish a solid baseline for workforce planning.

The EMPMS is a performance-based management system. Performance-based management uses performance measurement information to help set agreed-upon performance goals, to allocate and prioritize resources, to inform managers so they can manage program activities to meet those goals, and to report on their status. It also offers opportunity to learn from any failures in performance and to continuously improve management practices.

The IPT, as identified in the PEMP, will conduct informal surveys of the following organizations in order to solicit feedback related to contractor performance in the areas of Business Relations, Technical Quality, Cost Control and Schedule (timeliness):

Assistant Manager for Infrastructure and Environmental Stewardship (AMIES) Assistant Manager for Mission Support (AMMS)

- Assistant Manager for Integration and Planning (AMIP)
- Office of Acquisition Management (OAM)
- Office of Human Capital Management (OHCM)

Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)

Assistant Manager for Waste Disposition Project (AMWDP)

Office of Field Chief Financial Officer (CFO)

Office of Chief Counsel (OCC)

Office of Civil Rights (OCR)

Office of External Affairs (OEA)

Office of Laboratory Oversight (OLO)

Office of Safety and Quality Assurance (OSQA)

Office of Safeguards, Security and Emergency Services (OSSES)

SRNS organizations will provide monthly self-assessments throughout the performance period to provide contractor feedback in cross-cutting areas of performance, such as safety, efficient use of trained and qualified human capital, quality, continuous improvement, cost effectiveness, timeliness of deliverables, compliance with contract, etc. The self-assessments will be used to measure and report contractor technical performance (quality of product/service), cost control, adherence to schedule, and business relations / management as these relate to the contractor support of the individual and collective DOE organizations. These self-assessments will be captured on the electronic web-based DOE Scorecard and used to facilitate enhanced communication between DOE-SR and SRNS.

These assessments are critical to record contract performance that is considered implicit, or subjective. Clear measures will be defined and consistent with standards of reporting contractor performance (FAR 42.15, FAR 15.3, FAR 9.1, and DEAR 909.1), The Federal Acquisition Streamlining Act of 1994, and the federal acquisition guide, chapter 42.15.

Subjective incentives use adjectival measures related to quality of service or product. The success of a contractor against subjective measures is determined by the government, which will consider the related conditions under which the work was performed and the contractor's specific performance as measured against the government's objective.

Customer service is an implicit performance expectation. Both federal and contractor employees will strive to reach mutual expectations and conduct beneficial communications in support of site missions.

Per contract clause H-33: PROVISIONAL PAYMENT OF INCENTIVE FEE, the contractor may request monthly provisional fee payments for up to 1/12th of 50% of the total subjective fee for the performance period. Provisional fee is not considered earned fee and is contingent upon a final fee determination by the Fee Determination Official.

### Up to \$2,610,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SUBJ-1.01	9/30/14	\$5,000,000	Provide a monthly report measuring trends and improvements in technical, cost, schedule performance and business relations / management activities. The report will include trending data and analysis of direct program (PBS) continuous improvement efforts, and cost performance of the Indirect cost pools (Essential Site Services and G&A).

### **Acceptance Criteria**

DOE-SR will review the contractor monthly report measuring technical, cost, schedule performance and business relations / management in accordance with site performance reporting to support the DOE-SR Contractor Performance Assessment Reporting (CPAR) requirements.

Contract No. DE-AC09-08SR22470 Modification No.404 Revision 0

## Attachment D, NNSA Performance Incentive Documents for fiscal year 2014

[Reference Modification 402, dated 9/30/13]

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□The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  ○Green must acknowledge concipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following matrices (in By completing Items 8 and 15, and returning on the set of the mendment (in by a acknowledging receipt of the instandance) of the offer amendment of the offer and in the set of the mendment of the set of the mendment of the set of the mendment of the set of the offer and in the set of the mendment of the set of the offer and in the set of the set	. 5002020	11. THIS ITE	M ONLY APPLIES TO A					<del></del>
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(Signature of person authorized to sign)  NSN 7540-01-152-8070  (Signature of Contracting Officer)  STANDARD FORM 30 (REV. 10-83)				1/		TANDA	RD FORM	30 (REV 10-83)

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NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

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Except as provided herein, all terms and conditions of the	ne document referenced in Item 9A or						
15A. NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OF	FICER (T)	ype or print)		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED		mes Tovett UNITED STATES OF AMERICA	1		DATE SIGNED	
(Signature of person authorized to sign)		<u> </u>	(Signature of Contracting Officer)			/30/2013	
NSN 7540-01-152-8070 Previous edition unusable			/	Prescribe	RD FORM 30 od by GSA CFR) 53.243	) (REV. 10-83)	

CONTINUE TION SUFET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	DE-AC09-08SR22470/0407	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	and Price/Cost, paragraph B, entitled "Obligation of Funds," is hereby revised to increase the total amount of funds obligated to the contract from \$6,144,658,051.58 to \$6,145,421,794.26.				
	C. The contract estimated value and all other terms and conditions remain unchanged. FOB: Destination				
				·	
					i .

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
0408	10/01/2013		
	00901	7. ADMINISTERED BY (If other than Item 6)	CODE 00901
Savannah River Operations U.S. Department of Energy		Savannah River Operations U.S. Department of Energy	,
Savannah River Operations		Savannah River Operations	J
P.O. Box A		P.O. Box A	
Aiken SC 29802		Aiken SC 29802	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 9A. AMENDMENT OF SOLICITATION NO.	
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLC	OR DATED (SEE ITEM 44)	
Attn: LLOYD CLEVINGER		9B. DATED (SEE ITEM 11)	
203 LAURENS ST SW AIKEN SC 298012421			
AIREN SC 298012421		x DE-AC09-08SR22470	R NO.
		10B. DATED (SEE ITEM 13)	
CODE 798861048	FACILITY CODE	01/10/2008	
	11. THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS	
Items 8 and 15, and returning co separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offit to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (If re-	e to the solicitation and amendment numb OFFERS PRIOR TO THE HOUR AND D er already submitted, such change may b d prior to the opening hour and date spec	ATE SPECIFIED MAY RESULT IN REJECTION OF e made by telegram or letter, provided each telegra	TO BE RECEIVED AT FYOUR OFFER. If by
49 THIS ITEM ONLY ADDRICE TO BE	ADDIES ATION OF CONTRACTS OF DEL	RS. IT MODIFIES THE CONTRACT/ORDER NO. AS	DESCRIPED IN ITEM 44
13. THIS ITEM ONLY APPLIES TO N	ODIFICATION OF CONTRACTS/ORDER	IS. II MODIFIES THE CONTRACTIONDER NO. AS	DESCRIBED IN ITEM 14.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) THE	CHANGES SET FORTH IN ITEM 14 ARE MADE I	N THE CONTRACT
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTI	CT/ORDER IS MODIFIED TO REFLECT H IN ITEM 14, PURSUANT TO THE AUT	THE ADMINISTRATIVE CHANGES (such as changed) HORITY OF FAR 43.103(b).	ges in paying office,
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED INTO PURSUANT TO A	NUTHORITY OF:	
D. OTHER (Specify type of modification	and authority)		
X DEAR 970.5243-1 Char	iges (Dec 2000)		
E. IMPORTANT: Contractor is not.	is required to sign this document an	d return 0 copies to the iss	uing office.
14. DESCRIPTION OF AMENDMENT/MODIFICATION			•
		y the exisiting clauses u	
Schedule, Section H - Specia			
Acquisition Letter No AL-201			
below are hereby deleted in		eplaced with updated clau	ses provided on
pages 2 through 14, of this	modification:		
1) H.14, Employee Compensati	on. Day and Bonofit		
2) H.56, Workers' Compensati	<del>-</del>	ى.	
3) H-58, Post Contract Respo		ion and Other Ponofit Plan	ne
o, ii oo, robe contract kespe	Wording tot tens	Ton and other benefit Pla	113
B. All other terms and cond	litions remain unchan	ged.	
Except as provided herein, all terms and conditions of the	he document referenced in Item 9A or 10	A, as heretofore changed, remains unchanned and	in full force and effect
15A. NAME AND TITLE OF SIGNER (Type or print)	The state of the s	16A. NAME AND TITLE OF CONTRACTING O	
		James Lovett	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
	וסס. סאוב טוסועם		IOO. DATE GIGNED
(Signature of person authorized to sign)		(Signature of Contracting officer)	10/01/2013
NSN 7540-01-152-8070	<del></del>	(Signature of Contracting Sincol)	STANDARD FORM 30 (REV. 10-83)
Previous edition unusable			Prescribed by GSA FAR (48 CFR) 53.243

### SF30 Block 14

### H.14 EMPLOYEE COMPENSATION: PAY AND BENEFITS

### (a) Contractor Employee Compensation Plan

The Contractor shall submit, for Contracting Officer approval, by close of contract transition, a Contractor Employee Compensation Plan (to be submitted during contract transition only) demonstrating how the Contractor will comply with the requirements of this Contract. The Contractor Employee Compensation Plan shall describe the Contractor's policies regarding compensation, pensions and other benefits, and how these policies will support at reasonable cost the effective recruitment and retention of a highly skilled, motivated, and experienced workforce.

A description of the Contractor Employee Compensation Program should include the following components;

- a. Philosophy and strategy for all pay delivery programs.
- b. System for establishing a job worth hierarchy.
- c. Method for relating internal job worth hierarchy to external market.
- d. System that links individual and/or group performance to compensation decisions.
- e. Method for planning and monitoring the expenditure of funds.
- f. Method for ensuring compliance with applicable laws and regulations.
- g. System for communicating the programs to employees.
- h. System for internal controls and self-assessment.
- System to ensure that reimbursement of compensation, including stipends, for employees who are on joint appointments with a parent or other organization shall be on a pro-rated basis.

### (b) <u>Total Compensation System</u>

The Contractor shall develop, implement and maintain formal policies, practices and procedures to be used in the administration of its compensation system consistent with FAR 31.205-6 and DEAR 970.3102-05-6; "Compensation for Personal Services" ("Total Compensation System"). DOE-approved standards (e.g., set forth in an advance understanding or appendix), if any, shall be applied to the Total Compensation System. The Contractor's Total Compensation System shall be fully documented, consistently applied, and acceptable to the Contracting Officer. Costs incurred in implementing the Total Compensation System shall be consistent with the Contractor's documented Contractor Employee Compensation Plan as approved by the Contracting Officer.

### (c) Reports and Information

The Contractor shall provide the Contracting Officer with the following reports and information with respect to pay and benefits provided under this Contract:

- (1) An Annual Contractor Salary-Wage Increase Expenditure Report to include, at a minimum, breakouts for merit, promotion, variable pay, special adjustments, and structure movements for each pay structure showing actual against approved amounts.
- (2) A list of the top five most highly compensated executives as defined in FAR 31.205-6(p)(2)(ii) and their total cash compensation at the time of Contract award, and at the time of any subsequent change to their total cash compensation. This should be the same information provided to the Central Contractor Registration (CCR) per FAR 52.204-10.
- (3) An Annual Report of Contractor Expenditures for Employee Supplemental Compensation no later than March 1 of each year.

### (d) Pay and Benefit Programs

The Contractor shall establish pay and benefit programs for Incumbent Employees and Non-Incumbent Employees as defined in paragraphs (1) and (2) below; provided, however, that employees scheduled to work fewer than 20 hours per week receive only those benefits required by law. Employees are eligible for benefits, subject to the terms, conditions, and limitations of each benefit program.

- (1) Incumbent Employees are the employees who hold regular appointments or who are regular employees of the incumbent contractor.
  - (A) Pay. Subject to the Workforce Transition Clause, the Contractor shall provide equivalent base pay to Incumbent Employees as compared to pay provided by WSRC for at least the first year of the term of the Contract.
  - (B) Pension and Other Benefits. The Contractor shall provide a total package of benefits to Incumbent Employees comparable to that provided by WSRC. Comparability of the total benefit package shall be determined by the CO in his/her sole discretion.

Incumbent Employees shall remain in their existing pension plans (or comparable successor plans if continuation of the existing plans is not practicable) pursuant to pension plan eligibility requirements and applicable law.

- (2) Non-Incumbent Employees are new hires, i.e., employees other than Incumbent Employees who are hired by the Contractor after date of award. All Non-Incumbent Employees shall receive a total pay and benefits package that provides for market-based retirement and medical benefit plans that are competitive with the industry from which the Contractor recruits its employees and in accordance with Contract requirements.
- (3) Cash Compensation

- (A) The Contractor shall submit the following to the Contracting Officer for a determination of cost allowability for reimbursement under the Contract:
  - (i) Any proposed major compensation program design changes prior to implementation.
  - (ii) An Annual Compensation Increase Plan (CIP). The Compensation Increase Plan (CIP) should include the following components and data:
  - (1) Comparison of average pay to market average pay.
  - (2) Information regarding surveys used for comparison.
  - (3) Aging factors used for escalating survey data and supporting information.
  - (4) Projection of escalation in the market and supporting information.
  - (5) Information to support proposed structure adjustments, if any.
  - (6) Analysis to support special adjustments.
  - (7) Funding requests for each pay structure to include breakouts of merit, promotions, variable pay, special adjustments, and structure movement.
  - (a) The proposed plan totals shall be expressed as a percentage of the payroll for the end of the previous plan year. (b) All pay actions granted under the compensation increase plan are fully charged when they occur regardless of time of year in which the action transpires and whether the employee terminates before year end. (c) Specific payroll groups (e.g., exempt, nonexempt) for which CIP amounts are intended shall be defined by mutual agreement between the contractor and the Contracting Officer.
  - (d) The Contracting Officer may adjust the CIP amount after approval based on major changes in factors that significantly affect the plan amount (for example, in the event of a major reduction in force or significant ramp-up).
  - (8) A discussion of the impact of budget and business constraints on the CIP amount.
  - (9) Comparison of pay to relevant factors other than market average pay.
  - (iii) Individual compensation actions for the top contractor official (e.g., laboratory director/plant manager or equivalent) and key personnel not included in the CIP. For those key personnel included in the CIP, DOE will approve salaries upon the initial contract award and when key personnel are replaced during the life of the contract. DOE will have access to all individual salary reimbursements. This access is provided for transparency; DOE will not approve individual salary actions (except as previously indicated).
- (B) The Contracting Officer's approval of individual compensation actions will be required only for the top contractor official (e.g., laboratory director/plant manager or equivalent) and key personnel as indicated in (e)(3)(A)(iii) above. The base salary reimbursement level for the top contractor official establishes the maximum allowable salary reimbursement under the contract. Unusual

circumstances may require a deviation for an individual on a case-by-case basis. Any such deviations must be approved by the Contracting Officer.

- (C) Severance Pay is not payable to an employee under this Contract if the employee:
  - (i) Voluntarily separates, resigns or retires from employment,
  - (ii) Is offered employment with a successor/replacement contractor,
  - (iii) Is offered employment with a parent or affiliated company, or
  - (iv) Is discharged for cause.
- (D) Service Credit for purposes of determining severance pay does not include any period of prior service for which severance pay has been previously paid through a DOE cost-reimbursement contract.

### (e) Pension and Other Benefit Programs

- (1) No presumption of allowability will exist when the Contractor implements a new benefit plan or makes changes to existing benefit plans for Employees or until the Contracting Officer makes a determination of cost allowability for reimbursement for new or changed benefit plans.
- (2) Cost reimbursement for Employee pension and other benefit programs sponsored by the Contractor will be based on the Contracting Officer's approval of Contractor actions pursuant to an approved "Employee Benefits Value Study" and an "Employee Benefits Cost Survey Comparison" as described below.
- (3) Unless otherwise stated, or as directed by the Contracting Officer, the Contractor shall submit the studies required in paragraphs (A) and (B) below. The studies shall be used by the Contractor in calculating the cost of benefits under existing benefit plans. An Employee Benefits Value (Ben-Val) Study Method using no less than 15 comparator organizations and an Employee Benefits Cost Survey comparison Method shall be used in this evaluation to establish an appropriate comparison method. In addition, the Contractor shall submit updated studies to the Contracting Officer for approval prior to the adoption of any change to a pension or other benefit plan.
  - (A) The Ben-Val, every two years for each benefit tier (e.g., group of employees receiving a benefit package based on date of hire), which is an actuarial study of the relative value (RV) of the benefits programs offered by the Contractor to Employees measured against the RV of benefit programs offered by comparator companies approved by the Contracting Officer. To the extent that the value studies do not address post retirement benefits other than pensions, the Contractor shall provide a separate cost and plan design data comparison for the post retirement benefits other than pensions using external benchmarks derived from nationally recognized and Contracting Officer approved survey sources and,

- (B) An Employee Benefits Cost Study Comparison, annually for each benefit tier that analyzes the Contractor's employee benefits cost for Employees on a per capita basis per full time equivalent employee and as a percent of payroll and compares it with the cost reported by the U.S. Department of Labor's Bureau of Labor Statistics or other Contracting Officer approved broad based national survey.
- (4) When the net benefit value exceeds the comparator group by more than five percent, the Contractor shall submit a corrective action plan to the Contracting Officer for approval, unless waived by the Contracting Officer.
- (5) When the average total benefit per capita cost or total benefit cost as a percent of payroll exceeds the comparator group by more than five percent, the Contractor shall submit an analysis of the specific plan costs that are above the per capita cost range or total benefit cost as a percent of payroll and a corrective action plan to achieve conformance with a Contracting Officer directed per capita cost range or total benefit cost as a percent of payroll, unless waived by the Contracting Officer.
- (6) Within two years of Contracting Officer approval of the Contractor's corrective action plan, the Contractor shall align employee benefit programs with the benefit value and per capita cost range or percent of payroll as approved by the Contracting Officer.
- (7) The Contractor may not terminate any benefit plan during the term of the Contract without the prior approval of the Contracting Officer in writing.
- (8) Cost reimbursement for post-retirement benefits other than pensions (PRBs) is contingent on DOE approved service eligibility requirements for PRB that shall be based on a minimum period of continuous employment service not less than 5 years under a DOE cost reimbursement contract(s) immediately prior to retirement. Unless required by Federal or State law, advance funding of PRBs is not allowable.
- (9) Each contractor sponsoring a pension and/or postretirement benefit plan will participate in the annual plan management process which includes written responses to a questionnaire regarding plan management, providing forecasted estimates of future reimbursements in connection with the plan and participating in a conference call to discuss the contractor submission (see (g)(6) below for Pension Management Plan requirements).
- (10) Each contractor will respond to quarterly data calls issued through Ibenefits, or its successor system.
- (f) Establishment and Maintenance of Pension Plans for which DOE Reimburses Costs
  - (1) Employees working for the Contractor shall only accrue credit for service under this Contract after the date of Contract award.

(2) Except for Commingled Plans in existence as of the effective date of the contract, any pension plan maintained by the Contractor for which DOE reimburses costs, shall be maintained as a separate pension plan distinct from any other pension plan that provides credit for service not performed under a DOE cost-reimbursement contract. When deemed appropriate by the Contracting Officer, Commingled Plans shall be converted to separate plans at the time of new contract award or the extension of a contract.

### (g) Basic Requirements

The Contractor shall adhere to the requirements set forth below in the establishment and administration of pension plans that are reimbursed by DOE pursuant to cost reimbursement contracts for management and operation of DOE facilities and pursuant to other cost reimbursement facilities contracts. Pension Plans include Defined Benefit and Defined Contribution plans.

- (1) The Contractor shall become a sponsor of the existing pension and other benefit plans (or comparable successor plans), including other post-retirement benefit (PRB) plans, as applicable, with responsibility for management and administration of the plans. The Contractor shall be responsible for maintaining the qualified status of those plans consistent with the requirements of ERISA and the Internal Revenue Code (IRC). The Contractor shall carry over the length of service credit and leave balances accrued as of the date of the Contractor's assumption of Contract performance.
- (2) DOE approval is required prior to implementing any change to a pension plan covering prime cost reimbursement contracts for management and operation of DOE facilities and other contracts when designated. Changes shall be in accordance with and pursuant to the terms and conditions of the contract.
- (3) Each contractor pension plan shall be subjected to a limited-scope audit annually that satisfies the requirements of ERISA section 103, except that every third year the contractor must conduct a full-scope audit satisfying ERISA section 103. Alternatively, the contractor may conduct a full-scope audit satisfying ERISA section 103 annually. In all cases, the Contractor must submit the audit results to the Contracting officer. In years in which a limited scope audit is conducted, the contractor must provide the Contracting officer with a copy of the qualified trustee or custodian's certification regarding the investment information that provides the basis for the plan sponsor to satisfy reporting requirements under ERISA section 104.
- (4) For existing Commingled Plans, the Contractor shall maintain and provide annual Separate Accounting of DOE liabilities and assets as for a Separate Plan.
- (5) For existing Commingled Plans, the Contractor shall be liable for any shortfall in the plan assets caused by funding or events unrelated to DOE contracts.
- (6) The Contractor shall comply with the requirements of ERISA if applicable to the pension plan and any other applicable laws.

- (7) The Pension Management Plan shall include the following:
  - (A) A Pension Management Plan (PMP) discussing the Contractor's plans for management and administration of all pension plans consistent with the terms of this contract. The PMP shall be updated and submitted to the Contracting Officer in draft annually no later than 45 days after the last day of the Plan year along with its draft actuarial valuation.
  - (B) Within thirty (30) days after the date of the submission, appropriate Contractor representatives shall meet with the Contracting Officer to discuss the Contractor's proposed draft annual update of the PMP to specifically discuss any anticipated changes in the projected pension contributions from the prior year's contributions and any discrepancies between the actual contributions made for the most recent year preceding that meeting and the projected contributions for that year which the Contractor had submitted to the Contracting Officer the prior year. The annual revision of the PMP shall include:
    - (i) The Contractor's best projection of the contributions which it will be legally obligated to make to the pension plan(s), beginning with the required contributions for the coming fiscal year, based on the latest actuarial valuation, and continuing for the following four years. This estimate will be based upon compliance with all applicable legal requirements relating to the determination of contributions and upon the assumptions set out in the plan document(s).
    - (ii) If the actuarial valuation submitted pursuant to the annual PMP update indicates that the sponsor of the pension plan must impose pension plan benefit restrictions, the Contractor shall provide the following information:
    - (aa) The type of benefit restriction that will take place,
    - (bb) The number of Contractor employees that potentially could be impacted and the nature of the restriction (e.g., financial impact) by imposition of the required benefit restriction, and
    - (cc) The amount of money that would need to be contributed to the pension plan to avoid legally required benefit restrictions.
    - (iii) A detailed discussion of how the Contractor intends to manage the pension plan(s) to maximize the contribution predictability (i.e. forecasting accuracy) and contain current and future costs, to include rationale for selection of all plan assumptions that determine the required contributions and which impact the level and predictability of required contributions. The Contractor is required to annually establish a long term (e.g. five year) plan that outlines the projected retirement plan costs, and any planned action steps to be taken to better manage predictability. The

contractor must also share the following information with the Department during the meeting:

- (aa) Strategy for achieving and maintaining fully-funded status of the plan(s).
- (bb) Investment policy statement for the plan, with any recent updates.
- (cc) Results of recent asset liability studies (required to be preformed every 3 years or after a significant event) including rational for maintaining current asset allocation strategy.
- (dd) Comparison of budget projections submitted to the Department to actual contributions.
- (ee) Any recent reports, findings, or recommendations provided by plan's investment consultant.
- (ff) Actuarial experience studies to set the plan's actuarial assumptions (required to be performed every 3-5 years).
- (iv) An assessment to evaluate the effectiveness of the Contractor's pension plan(s) investment management/results. The assessment shall include at a minimum: a review and analysis of pension plan investment objectives; the strategies employed to achieve those objectives; the methods used to monitor execution of those strategies and the achievement of the investment objectives; and a comparative analysis of the objectives and performance of other comparable pension plans. The Contractor shall also identify its plans, if any, for revising any aspect of its pension plan management based on the results of the review.

### (h) Reimbursement of Contractors for Contributions to Defined Benefit Pension Plans

- (1) Contractors that sponsor single employer or multiple employer defined benefit pension plans will be reimbursed for the annual required minimum contributions under the Employee Retirement Income Security Act (ERISA), as amended by the Pension Protection Act (PPA) of 2006. Reimbursement above the annual minimum required contribution will require prior approval of the Contracting Officer. Reimbursement amounts will take into consideration all pre-funding balances and funding standard carryover balances.
- (2) Contractors that sponsor multi-employer DB pension plans will be reimbursed for pension contributions in the amounts necessary to ensure that the plans are funded to meet the annual minimum requirement under ERISA, as amended by the PPA. However, reimbursement for pension contributions above the annual minimum contribution required under ERISA, as amended by the PPA, will require prior approval of the Contracting Officer and will be considered on a case by case basis. Reimbursement amounts will take into consideration all pre-funding balances and funding standard carryover balances.

### (i) Reporting Requirements for Designated Contracts

The following reports shall be submitted to DOE as soon as possible after the last day of the plan year by the contractor responsible for each designated pension plan funded by DOE but no later than the dates specified below:

- (1) Actuarial Valuation Reports. The annual actuarial valuation report for each DOE-reimbursed pension plan and when a pension plan is commingled, the contractor shall submit separate reports for DOE's portion and the plan total by the due date for filing IRS Form 5500.
- (2) Forms 5500. Copies of IRS Forms 5500 with Schedules for each DOE-funded pension plan, no later than that submitted to the IRS.
- (3) Forms 5300. Copies of all forms in the 5300 series submitted to the IRS that document the establishment, amendment, termination, spin-off, or merger of a plan submitted to the IRS.

### (j) Changes to Pension Plans

At least sixty (60) days prior to the adoption of any changes to a pension plan, the Contractor shall submit the information required below, as applicable, to the Contracting Officer for approval or disapproval and a determination as to whether the costs are deemed allowable pursuant to FAR 31.205-6, as supplemented by DEAR 970.3102-05-6.

- (1) For proposed changes to pension plans and pension plan funding, the Contractor shall provide the following to the Contracting Officer:
  - (A) a copy of the current plan document (as conformed to show all prior plan amendments), with the proposed new amendment indicated in redline/strikeout;
  - (B) an analysis of the impact of any proposed changes on actuarial accrued liabilities and costs;
  - (C) except in circumstances where the Contracting Officer indicates that it is unnecessary, a legal explanation of the proposed changes from the counsel used by the plan for purposes of compliance with all legal requirements applicable to private sector defined benefit pension plans;
  - (D) the Summary Plan Description; and,
  - (E) any such additional information as requested by the Contracting Officer.
- (2) Contractors shall submit new benefit plans and changes to plan design or funding methodology with justification to the Contracting Officer for approval. The justification must:
  - (A) demonstrate the effect of the plan changes on the contract net benefit value or per capita benefit costs,
  - (B) provide the dollar estimate of savings or costs, and
  - (C) provide the basis of determining the estimated savings or cost.

### (k) Terminating Operations

When operations at a designated DOE facility are terminated and no further work is to occur under the prime contract, the following apply:

- (1) No further benefits for service shall accrue.
- (2) The Contractor shall provide a determination statement in its settlement proposal, defining and identifying all liabilities and assets attributable to the DOE contract.
- (3) The Contractor shall base its pension liabilities attributable to DOE contract work on the market value of annuities or lump sum payments or dispose of such liabilities through a competitive purchase of annuities or lump sum payouts.
- (4) Assets shall be determined using the "accrual-basis market value" on the date of termination of operations.
- (5) DOE and the Contractor(s) shall establish an effective date for spinoff or plan termination. On the same day as the contractor notifies the IRS of the spinoff or plan termination, all plan assets assigned to a spun-off or terminating plan shall be placed in a low-risk liability matching portfolio until the successor trustee, or an insurance company, is able to assume stewardship of those assets.

### (l) <u>Terminating Plans</u>

- (1) DOE contractors shall not terminate any pension plan (Commingled or site specific) without requesting Departmental approval at least 60 days prior to the scheduled date of plan termination.
- (2) To the extent possible, the contractor shall satisfy plan liabilities to plan participants by the purchase of annuities through competitive bidding on the open annuity market or lump sum payouts. The contractor shall apply the assumptions and procedures of the Pension Benefit Guaranty Corporation.
- (3) Funds to be paid or transferred to any party as a result of settlements relating to pension plan termination or reassignment shall accrue interest from the effective date of termination or reassignment until the date of payment or transfer.
- (4) If ERISA or IRC rules prevent a full transfer of excess DOE reimbursed assets from the terminated plan, the contractor shall pay any deficiency directly to DOE according to a schedule of payments to be negotiated by the parties.
- (5) On or before the same day as the contractor notifies the IRS of the spinoff or plan termination, all plan assets assigned to a spun-off or terminating plan shall be placed in a low-risk liability matching portfolio until the successor trustee, or an insurance company, is able to

assume stewardship of those assets.

- (6) DOE liability to a Commingled pension plan shall not exceed that portion which corresponds to DOE contract service. The DOE shall have no other liability to the plan, to the plan sponsor, or to the plan participants.
- (7) After all liabilities of the plan are satisfied, the contractor shall return to DOE an amount equaling the asset reversion from the plan termination and any earnings which accrue on that amount because of a delay in the payment to DOE. Such amount and such earnings shall be subject to DOE audit. To effect the purposes of this paragraph, DOE and the contractor may stipulate to a schedule of payments.

### (m) Special Programs

Contractors must advise DOE and receive prior approval for each early-out program, window benefit, disability program, plan-loan feature, employee contribution refund, asset reversion, or incidental benefit.

### (n) Definitions

- (1) Commingled Plans. Cover employees from the contractor's private operations and its DOE contract work.
- (2) Current Liability. The sum of all plan liabilities to employees and their beneficiaries. Current liability includes only benefits accrued to the date of valuation. This liability is commonly expressed as a present value.
- (3) Defined Benefit Pension Plan. Provides a specific benefit at retirement that is determined pursuant to the formula in the pension plan document.
- (4) Defined Contribution Pension Plan. Provides benefits to each participant based on the amount held in the participant's account. Funds in the account may be comprised of employer contributions, employee contributions, investment returns on behalf of that plan participant and/or other amounts credited to the participant's account.
- (5) Designated Contract. For purposes of this clause, a contract (other than a prime cost reimbursement contract for management and operation of a DOE facility) for which the Head of the Departmental Contracting Activity determines that advance pension understandings are necessary or where there is a continuing Departmental obligation to the pension plan.
- (6) Pension Fund. The portfolio of investments and cash provided by employer and employee contributions and investment returns. A pension fund exists to defray pension plan benefit outlays and (at the option of the plan sponsor) the administrative expenses of the plan.
- (7) Separate Accounting. Account records established and maintained within a commingled plan for assets and liabilities attributable to DOE contract service. NOTE: The assets so

represented are not for the exclusive benefit of any one group of plan participants.

- (8) Separate Plan. Must satisfy IRC Sec. 414(l) definition of a single plan, designate assets for the exclusive benefit of employees under DOE contract, exist under a separate plan document (having its own DOL plan number) that is distinct from corporate plan documents and identify the contractor as the plan sponsor.
- (9) Spun-off Plan. A new plan which satisfies IRC Reg. 1.414 (l)-1 requirements for a single plan and which is created by separating assets and liabilities from a larger original plan. The funding level of each individual participant's benefits shall be no less than before the event, when calculated on a "plan termination basis."

(End of clause)

### H.56 WORKER'S COMPENSATION INSURANCE

- (a) Contractors, other than those whose workers' compensation coverage is provided through a state funded arrangement or a corporate benefits program, shall submit to the Contracting Officer for approval all new compensation policies and all initial proposals for self-insurance (contractors shall provide copies to the Contracting Officer of all renewal policies for workers compensation).
- (b) Workers compensation loss income benefit payments, when supplemented by other programs (such as salary continuation, short-term disability) are to be administered so that total benefit payments from all sources shall not exceed 100 percent of the employee's net pay.
- (c) Contractors approve all workers compensation settlement claims up to the threshold established by the Contracting Officer for DOE approval and submit all settlement claims above the threshold to DOE for approval.
- (d) The Contractor shall obtain approval from the CO before making any significant change to its workers compensation coverage and shall furnish reports as may be required from time to time by the CO.

(End of clause)

# H.58 POST CONTRACT RESPONSIBILITIES FOR PENSION AND OTHER BENEFIT PLANS

(a) If this Contract expires or terminates and DOE has awarded a contract under which the new contractor becomes a sponsor and assumes responsibility for management and administration of the pension or other benefit plans covering active or retired contractor employees with respect to service at Savannah River Site (collectively, the "Plans"), the Contractor shall cooperate and transfer to the new contractor its responsibility for sponsorship,

management and administration of the Plans consistent with direction from the Contracting Officer. If a Commingled plan is involved, the contractor shall:

- (1) Spin off the DOE portion of any Commingled Plan used to cover employees working at the DOE facility into a separate plan. The new plan will normally provide benefits similar to those provided by the commingled plan and shall carry with it the DOE assets on an accrual basis market value, including DOE assets that have accrued in excess of DOE liabilities.
- (2) Bargain in good faith with DOE or the successor contractor to determine the assumptions and methods for establishing the liabilities involved in a spinoff. DOE and the contractor(s) shall establish an effective date of spinoff. On or before the same day as the contractor notifies the IRS of the spinoff or plan termination, all plan assets assigned to a spun-off or terminating plan shall be placed in a low-risk liability matching portfolio until the successor trustee, or an insurance company, is able to assume stewardship of those assets.
- (b) If this Contract expires or terminates and DOE has not awarded a contract to a new contractor under which the new contractor becomes a sponsor and assumes responsibility for management and administration of the Plans, or if the Contracting Officer determines that the scope of work under the Contract has been completed (any one such event may be deemed by the Contracting Officer to be "Contract Completion" for purposes of this clause), whichever is earlier, and notwithstanding any other obligations and requirements concerning expiration or termination under any other clause of this Contract, the following actions shall occur regarding the Contractor's obligations regarding the Plans at the time of Contract Completion:
- (1) Subject to subparagraph (2) below, and notwithstanding any legal obligations independent of the Contract the Contractor may have regarding responsibilities for sponsorship, management, and administration of the Plans, the Contractor shall remain the sponsor of the Plans, in accordance with applicable legal requirements.
- (2) The parties shall exercise their best efforts to reach agreement on the Contractor's responsibilities for sponsorship, management and administration of the Plans prior to or at the time of Contract Completion. However, if the parties have not reached agreement on the Contractor's responsibilities for sponsorship, management and administration of the Plans prior to or at the time of Contract Completion, unless and until such agreement is reached, the Contractor shall comply with written direction from the Contracting Officer regarding the Contractor's responsibilities for continued provision of pension and welfare benefits under the Plans, including but not limited to continued sponsorship of the Plans, in accordance with applicable legal requirements. To the extent that the Contractor incurs costs in implementing direction from the Contracting Officer, the Contractor's costs will be reimbursed pursuant to applicable Contract provisions.

(End of clause)

AMENDMENT OF SOLICITATION/MODIFIC		1. CONTRACT ID CODE		PAGE OF PAGES		
		Line	NOTION THE PEO NO	Is projecti	NO. (If applicable)	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	N/A	QUISITION/PURCHASE REQ. NO.	5. PROJECT	чо. (п аррисавно)	
0410	10/08/2013		MINISTERED BY (If other than Item 6)	CODE IOO	001	
6. ISSUED BY CODE	00901	_	•	CODE 009	.O.T	
Savannah River Operations			annah River Operations			
U.S. Department of Energy			. Department of Energy			
Savannah River Operations			annah River Operations D. Box A			
P.O. Box A Aiken SC 29802			en SC 29802			
Alken SC 29002		17.	en 50 25002			
B. NAME AND ADDRESS OF CONTRACTOR (No., stroot	; county, State and ZIP Code)	(x) 9/	A. AMENDMENT OF SOLICITATION NO.			
NAVANNAU DIVED MUCIEAD COLUM	TONG TIC	H				
SAVANNAH RIVER NUCLEAR SOLUT:	IONS, LLC	95	B. DATED (SEE ITEM 11)			
Attn: LLOYD CLEVINGER			, , , , , , , , , , , , , , , , , , , ,			
03 LAURENS ST SW IKEN SC 298012421						
11KEN 3C 298012421		x 10	DA MODIFICATION OF CONTRACT/ORDER N E-AC09-08SR22470	10.		
			E ACOS OUBREEN			
		1 10	DB. DATED (SEE ITEM 13)	-		
CODE 709961049	FACILITY CODE		01/10/2008			
798861048	11. THIS ITEM ONLY APPLIES T	- 1 1				
The above numbered solicitation is amended as set for				nded, 🔲 is no	at automiad	
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe	OFFERS PRIOR TO THE HOUR AND ar already submitted, such change may	D DATE Si y be made	PECIFIED MAY RESULT IN REJECTION OF Y	OUR OFFER.	f by	
to the solicitation and this amendment, and is receive		pecified.				
12. ACCOUNTING AND APPROPRIATION DATA (If rea No change to Accounting and	•					
			MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN IT	EN 14.	
A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) T	THE CHAN	IGES SET FORTH IN ITEM 14 ARE MADE IN 1	THE CONTRAC	т	
B. THE ABOVE NUMBERED CONTRAI appropriation date, etc.) SET FORTI	CT/ORDER IS MODIFIED TO REFLE H IN ITEM 14, PURSUANT TO THE A	CT THE A	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	in paying office	),	
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT TO	O AUTHO	RITY OF:		<del> </del>	
D. OTHER (Specify type of modification	and authority)					
X DEAR 970.5243-1 Char	•					
E. IMPORTANT: Contractor X is not.	is required to sign this document	end return	copies to the issuin	no office		
14. DESCRIPTION OF AMENDMENT/MODIFICATION				<u> </u>		
The purpose of this modifica			soliciaudiviculuaci saujaci mallar where leasi			
The purpose of this modified	10 01000 2010.	•••				
1) Incorporate Contract Wor	k Authorization No.	HO1	001 Rev 6 for Energy F	'mn l ovee		
Occupational Illness Compens			out, kev o, for Energy E	whrolee.	•	
•	-		walistantian Na 0400			
2) Correct clercial error,						
<ol><li>Incorporate Revise Section</li></ol>	n J - List Attachme	ents A	Appendix P, Contracting	Officer		
Representatives (CORs)						
Accordingly, the following a	pplies:					
A. This modification forma	ally incorporates Co	ontra	ct Work Authorization No	. но100	l, Rev 6.	
Continued	•				<b>.</b>	
Except as provided herein, all terms and conditions of the	ne document referenced in Item 9A or	10A, as h	eretofore changed, remains unchanged and in f	full force and eff	ect.	
15A. NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OFFI			
		e T.	mes_Lovett /			
450 CONTRACTOR/OFFEEDOR	TATO DATE O'O''				100 DATE SIGNED	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B	UNITED STATES OF AMERICA		16C. DATE SIGNED	
			K		10/09/2013	
(Signature of person authorized to sign)		/	(Signature of Contracting Official)	TANDADD CO	OM 30 (DEV. 10.83)	

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

00171114701016	REFERENCE NO. OF DOCUMENT BEING CONTINUED				
CONTINUATION SHEET	DE-AC09-08SR22470/0410	2	2		

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

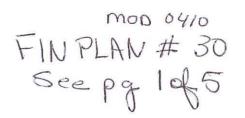
TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	for Energy Employees Occupational Illness Compensation Program (EEOICPA), and is hereby provided as attachment 1, hereto. As stated under DEAR 970.5211-1 Work Authorization (May 2007), paragraph (b), the work authorization, whether issued bilaterally or unilaterally shall become a part of the contract. Funds were				
	previously allocated under FINPLAN No. 30, Fiscal Year 2013, by separate modifications.				
	B. Under Mod 0408, the revisions cited below are incorporated:				
	1) Amendment of Solicitation/Modification of Contract, Standard Form 30, Block E, the "is not," should be checked. All parties agreed to issuing a unilateral modification.				
	2) Page 2 of Modification 0408 is deleted in it's entirety, and replace with Page 2, Attachment 2, hereto.				
	C. Section J - List Attachments Appendix P, Contracting Officer Representatives (CORs) is supereded by Section J - List Attachments Appendix P, Contracting Officer Representatives, attachment 3, hereto.				
	D. The contract estimated value and all other terms and conditions remain unchanged.				
				1	

# **Attachments**

Attachment No.	Description	No of Pages
1	Contract Work Authorization	
	No. HQ1001, Rev 6, for	
	<b>Energy Employees Occupational</b>	
	Illness Compensation Program (EEOICPA)	6
2	Reference Mod 0408, Replacement Page	
	(Page 2 of 14)	1
3	Section J – List Attachments Appendix P	
	Contracting Officer Representatives (CORs)	3

# Attachment 1

Contract Work Authorization: No. HQ1001, Rev 6
Project Title: Energy Employees Occupational Illness Compensation Program (EEOICPA)



Work Authorization

HQ1001 Revision Number 6  CONTRACT WORK AUTHORIZATION If you need assistance with this form contact Belinda Beckum 5-5352  CWA-2013-								acking Number VA-2013-00044		
1a. Project Title:       1b. Work Proposal Number (if applicable):         Energy Employees Occupationa Illness Compensation       HQ1001-0-SR         Program (EEOICPA)       SRNL					erformir NL	erforming Organization NL SRNS				
2. Headquarters Pro Name: Greg Lewis	gram Point of Conta	oct.	ganization (	Code: HS	G-14		Telephone	e No.: 202-	586-278	84
3. Headquarters Bud Name: Debra James		t.	ganization (	Code: HS	G-10		Telephone	e No.: 301-	983-34	56
4. Responsible Prog Office of Health, Saf						sible Secreta ealth, Safety				
6. Responsible Field U.S. Department of	Organization Energy (DOE), Sava	annah River	Operations	s (SR)						
7a. Site and Facility Savannah River Nuc	Management Contr clear Solutions, LLC	actor:			entractor Poin : John Templ		:	Telephor	ne No.:	803-952-7210
8. Work Authorization HQ1001	n Number:				9. Revision 6	Number:*				
10. Funds Authorize	d (See note below)									
Date 9/25/13	B&R Code HQ1001000 OH1006400 Total FY13 OH1006400 FY12	Agreemen	t / Project #			Previo 641,0 641,00 0 641,00	0.00	Change 0 8,110.0 8,110.0 9,647.2 17,757.3	5 5 8	Current: 641,000.00 8,110.05 649,110.05 9,647.28 658,757.33
11. Performance Perblock 10)	Grand Total riod Covered by Fu	nds. (See N	OTE in	12. W	ork Start Date					eletion Date:
From: 10/01/2012	To: 09	/30/2014		10/01/2012			09/30/2014			
14. Statement of We The funding provide both Subtitle B and 1) Perform the work 2) Perform the work 3) Perform the work 4) Perform other ne 5) Maintain local recmonthly reports that requests. This report HS-14 (Greg Lewis	d through this finance Subtitle E of the EE necessary to comp necessary to provide necessary to comp necessary EEOICPA recessary EEOICPA recessary to track the actinclude the number the should be sent to:  (a),  (b),  (a) the control of the control of the control of the number the number the control of th	cial plan is to OICPA. The lete Employ de radiation lete Docum related recordivities condur of records ngton)	ese tasks in ment Verifi dose record ent Acquisi rds work as lucted unde	clude: cations re ds reque: tion Reque needed. r EEOIC	equested by sted by NIOS uest (DAR) re	DOL for the H as part of equested by	EEOICPAS the EEOIC DOL as par BLES: By th	Subtitle B p PA Subtitle rt of the EE he 15th of e	orogram e B prog OICPA each mo	gram. Subtitle E progra onth provide
15. Technical Point	of Contact									
Nam Patricia Padeza		SRS	Titl Technical F		ontact	patricia	Email .padezanin	@srs.gov	(	Phone (803) 952-8309
Patricia Padezanin/SRNS/Srs SRS Technical SRS Technical Point of Contact Manager Name Alice Doswell/SRNS/Srs SRS Technical Po				I Point of Contact patricia.padezanin  Title Email nt of Contact Manager Alice.Doswell@						

16 DOE-SR Program Roint of Contact	17, DOE-SR Field Budget Official		19. DOE Contracting Officer (or delegated representative).
Regina Price/DOE/Srs	Harold Nielsen/DOE/Srs	John Temple/SRNS/Srs	James Lovett/DOE/Srs

Technical POC

recrifical POC						
I accept the scor	pe and funding requirements and have no issues me	eeting the requirements.	Yes O No			
John Christian ha requirements."	s pressed the button, "I accept the scope and fund	ing requirements and have no issues meeting the	09/30/2013 02:35			
DOE-SR Prog PC	l .	ıthorization Program				
		ompliance Checksheet				
Project Title		Work Authorization Number				
		HQ1001				
		on will contain the following information:				
● Yes ○ No	Project title and reference to work proposal number	er, if applicable				
Yes O No	Headquarters programmatic point of contact, orga	nization, and telephone number				
Yes O No	Headquarters budget point of contact, organization	n code, and telephone number				
Yes O No	Responsible program					
Yes O No	Responsible program Secretarial Officer		<del></del>			
● Yes ○ No	Responsible field organization					
Yes O No	Responsible contracting officer if different from about	ove				
● Yes ○ No	Site/facility management contractor name, point or	f contact, and telephone number				
Yes O No	Work authorization number, with revision number	if applicable				
Yes O No	Budget and reporting code and funding level					
Yes O No	Dates for performance period, work start, and wor	k completion				
	Statement of work (see paragraph below)					
Yes O No	Headquarters, field organization, contractor, and if signature blocks	involving changes to scope, schedule, or funding, co	entracting officer			
Yes O No	Reporting requirements, including (a) project many of informing DOE, the scientific community, and the progress)	agement or status reports and (b) reports or publication to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public of the project results (e.g., scientific advanced to public advanced	ons for the purpose es or technical			
	The statement of work will include the	ne following information as appropriate:				
Yes O No	the scope of work in detail	erence to a work proposal, project plan, or similar doc	ument describing			
Yes O No	Required milestone dates					
Yes O No	Management	quired by DOE O 241.1A, Scientific and Technical Inf				
● Yes ○ No	Associated performance-based indicators/targets  Measurement and any additional guidance that w	consistent with DOE G 120.1-5, Guidelines for Perfor ill assist the contractor in the performance of the work	mance			
		's Comments	<u>`</u>			
No comment,	this is the process we have followed for years.					
	tion is: Accepted. If rejected, then comments a					
	ram Point of Contact	Date				
Belinda Becku	im/SKNL/Srs	09/26/2013 08:09 AM				

BEARS database search complete and	results attached to WAD package?	OYON
Funding constrained: (Year constrained	CR; etc.) 8913-140243, FY 2013 Budget Authority, Two-Year funds, on FinPlan #30.	
	■ 1-year money ○ No year money ○ Free money	
Is this funding in the Fin Plan?		OYON
Necessary expense:		
Does the expenditure bear a logical r direct contribution to carrying out either appropriations are available?	elationship to the appropriation sought to be charged? In other words, does it must make a a specific appropriation or an authorized agency function for which more general	OY ON
2. Is the expenditure prohibited by law?		OYON
3. Is the expenditure otherwise provided funding scheme?	for, that is, is it an item that falls within the scope of some other appropriation or statutory	OYON
Contract Mod Admin		
Contract Mod #	Attach Signed Mod	
Attachments		





PKG HQ1001 R6.pdf Regina Price Concurrence.pdf

Notify on Approval

### General Comment

Submitted	Submitted By	Comment
10/07/2013 03:44:27 PM	Christine Corbin	Mod 410, anticipated release date 10/01/2013
10/07/2013 02:50:59 PM	Christine Corbin	Under FIN PLAN #30
09/30/2013 03:21:22 PM	Harold Nielsen	This is 2-year funding, not 1-year funding. The form needs to be improved/chanaged to allow
09/26/2013 10:50:25 AM	Sharon Hunter	This should be until the end of 9/30/2014.

Work Authorization: In Process						
Approvers	Title	Assigned	Received	Status Changed	Status	
John Temple	SRNS Contractor Auth Rep	10/07/2013 10:42:26 AM	10/07/2013 11:26:02 AM	10/07/2013 11:27:13 AM	Concur	
James Lovett	DOE-SR Contract Officer	10/07/2013 11:27:15 AM	10/07/2013 03:03:16 PM	10/07/2013 03:03:27 PM	Concur	
Christine Corbin	DOE-SR Contract Mod Admin	10/07/2013 03:03:29 PM	-	<u> </u>	1	
Kathryn Davis	SRNS Contracts	-	}-	<u> </u>	}	

Approvers	Title	Assigned	Received	Status Changed	Status
Patricia Padezanin	Technical POC	10/01/2013 10:56:47 AM		10/01/2013 10:57:15 AM	
Chuck Hayes	Technical POC	10/01/2013 10:57:16 AM	10/01/2013 10:58:34 AM	10/01/2013 11:01:15 AM	Concur
John Christian	DOE-SR Work Auth	10/01/2013 11:01:17 AM	-	10/01/2013 11:01:56 AM	Skipped
Regina Price	Coordinator	10/01/2013 11:01:57 AM		10/01/2013 11:02:27 AM	
Harold Nielsen	DOE-SR Program POC	10/01/2013 11:02:28 AM		10/01/2013 11:02:44 AM	
	DOE-SR Field Budge Off				

Previous Process - Work Authorization: Approved on 09/30/2013							
Approvers		Assigned			Status		
Patricia Padezanin	Technical POC	09/26/2013 10:39:15 AM	09/29/2013 07:22:13 PM	09/30/2013 02:38:43 PM	Skipped		
John Christian	DOE-SR Work Auth	09/30/2013 02:38:44 PM	09/30/2013 02:39:48 PM	09/30/2013 02:40:23 PM	Concur		
Regina Price	Coordinator	09/30/2013 02:40:24 PM	09/30/2013 02:41:17 PM	09/30/2013 02:41:38 PM	Skipped		
Brenda Mills	DOE-SR Program POC	09/30/2013 02:41:39 PM	09/30/2013 02:42:10 PM	09/30/2013 02:42:49 PM	Concur		
Harold Nielsen	ŀ	09/30/2013 02:42:51 PM	09/30/2013 03:15:12 PM	09/30/2013 03:24:39 PM	Concur		
	DOE-SR Field Budge Off		1		l		

### **Approver Comments**

### Reviewers

		1101101101				
Name	Date Time	Action				
Sharon Hunter Regina Price Kathryn Davis	9/26/2013 9:50:24 AM 9/27/2013 8:00:37 AM 10/7/2013 10:41:35 AM	Reviewed Reviewed Reviewed				

2005

Project Number: 2013-HS-2001036

### **WORK AUTHORIZATION**

# U.S. DEPARTMENT OF ENERGY Mangement and Operating (M & O) Contract Work Authorization

. INITIATOR(s): Pat Worthington			HS-	10	301-90	301-903-5926	
	Name & Signature			Organiza	tion Code	PI	none
2. PROJECT TI	TLE: Energy E	mployees Occup	ational Illness Compensation Pro	grem (E	EOICPA)	AC:	
3. RESPONSIBI	LE PROGRAM S	ECRETARIAL O	FFICE: Office of Health, Safety	, and S	ecurity		
4. RESPONSIBI	LE FIELD OFFIC	E: Savannah I	River				
5. M&O CONT	RACTOR NAME:	Savannah Ri	ver / 410225 / 410225 (SR - SRO	)			<del></del>
6. WORK AUTH	ORIZATION NO:	HQ1001 - 0 -	SR	-			
7. FUNDS HERI	EBY AUTHORIZE	ED (WHOLE DO	LLARS)			GET AUTHORITY:	•
					TOTALE	BUDGET OUTLAY:	\$659,091.93
B&R	Program	ORG	Transaction Type	Rev.	Date	Budget Authority	Budget Outlay
HQ1001000	3184701	HS-10	Fund Project from B&R	0	10/1/2012	\$125,000.00	\$125,000.
HQ1001000	3184701	HS-10	Fund Project from B&R	1	1/1/2013	\$100,000.00	\$100,000.
HQ1001000	3184701	HS-10	Fund Project from B&R	2	3/1/2013	\$65,000.00	\$65,000.
8. PERFORMAN	NCE PERIOD CO	VERED BY FUN	IDS: FROM:	10/1/20	112	TO: <u>9/30/2013</u>	
9. WORK START	DATE: <u>10/1/201</u>	2	10. EX	PECTE	COMPLETION	DATE: TBD	
11. FUTURE FUI	NDING PLANNEI	D: <u>To Be Determ</u>	ined				
12. WORK AUTH Incremental fundi is FY 2013 funds.	ng for the EEOIC	PA program. Bu	dget Outlay of \$13,091.93 is FY 2	:012 fur	nds. Funding in th	ne amount of \$5,000	under Rev 6
			NAME AND SIGNATURE			DAT	E
13. WORK AUTI	HORIZATION OF	FICIAL:					
			Stephen Kirchhoff				
14. OPERATION	IS OFFICE OFFI	CIAL:					
15. M & O CONT	TRACTOR OFFIC	DIAL:					
HEADQUARTER	S BUDGET POI	NT OF CONTAC	Г:				
FIELD/CONTRAC	CTOR POINT OF	CONTACT:	Debra James, 301-9	03-346	5		

### U.S. Department of Energy Work Authorization Funding Data Continuation Shee

1.WAS Number: 201	3-HS-2001034						
		<del></del>	<u> </u>				
B& R	Program	ORG	Transaction Type Entity	Rev	Date Class	Budget Authority	Budget Outlay
HQ1001000	3184701	HS-10	Fund Project	3	4/1/2013	\$45,000.00	\$45,000.0
HQ1001000	3184701	HS-10	Fund Project	4	5/1/2013	\$100,000.00	\$100,000.0
HQ1001000	3184701	HS-10	Fund Project	5	7/1/2013	\$206,000.00	\$206,000.0
OH1006400	3184813	HS-40	Budget Outlay	6	7/29/2013	\$0.00	\$13,091.9
OH1006400	3184813	HS-40	Fund Project	6	7/29/2013	\$5,000.00	\$5,000.0
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		•					:

Note: \*\* We hereby certify that funds cited are proper for this authorization and in compliance with Appropriation Acts and Fiscal Law

Distribute 5-copies to: Contracting Office (white), Date Entry Point (blue), Controller (pink), initiating Office (green) and Office of Small and Disadvantaged Business Utilization (goldenrod).

# Attachment 2

# Reference Mod 0408 Replacement Page (Page 2 of 14)

### SF30 Block 14

### H.14 EMPLOYEE COMPENSATION: PAY AND BENEFITS

### (a) Contractor Employee Compensation Plan

The Contractor shall submit, for Contracting Officer approval, by close of contract transition, a Contractor Employee Compensation Plan (to be submitted during contract transition only) demonstrating how the Contractor will comply with the requirements of this Contract. The Contractor Employee Compensation Plan shall describe the Contractor's policies regarding compensation, pensions and other benefits, and how these policies will support at reasonable cost the effective recruitment and retention of a highly skilled, motivated, and experienced workforce.

A description of the Contractor Employee Compensation Program should include the following components;

- a. Philosophy and strategy for all pay delivery programs.
- b. System for establishing a job worth hierarchy.
- c. Method for relating internal job worth hierarchy to external market.
- d. System that links individual and/or group performance to compensation decisions.
- e. Method for planning and monitoring the expenditure of funds.
- f. Method for ensuring compliance with applicable laws and regulations.
- g. System for communicating the programs to employees.
- h. System for internal controls and self-assessment.
- System to ensure that reimbursement of compensation, including stipends, for employees who are on joint appointments with a parent or other organization shall be on a pro-rated basis.

### (b) Total Compensation System

The Contractor shall develop, implement and maintain formal policies, practices and procedures to be used in the administration of its compensation system consistent with FAR 31.205-6 and DEAR 970.3102-05-6; "Compensation for Personal Services" ("Total Compensation System"). DOE-approved standards (e.g., set forth in an advance understanding or appendix), if any, shall be applied to the Total Compensation System. The Contractor's Total Compensation System shall be fully documented, consistently applied, and acceptable to the Contracting Officer. Costs incurred in implementing the Total Compensation System shall be consistent with the Contractor's documented Contractor Employee Compensation Plan as approved by the Contracting Officer.

### (c) Reports and Information

# Attachment 3

# Section J – List Attachment Appendix P Contracting Officer Representatives (CORs)

### Section J- List Attachments APPENDIX P Contracting Officer Representatives (CORs)

Savannah River Nuclear Solutions Contracting Officer Representatives (CORs) Contract No. DE-AC09-08SR22470

COR NAME	TYPE OF COR	AREA OF AUTHORITY	DATE OF DESIGNATI ON	COR'S DOE POSITION
Douglas Dearolph	Special Area COR NNSA Only	Site Office Mgr. NNSA SRSO Only	07/09/2009	Site Office Mgr. NNSA SRSO
Michelle M. Ewart	Alternate, PDCF, NNSA Only	PDCF, NNSA Only	11/21/2008	PDCF Deputy FPD, NNSA SRSO
Scott C. Cannon	Special Area COR NNSA Only	PDCF, FPD, NNSA Only	10/17/2011	PDCF FPD, NNSA SRSO
Christina T. Edward	Special Area COR NNSA Only	NNSA only – Region 3 Regional Response Coordinator, Radiological Assistance Program, NNSA	05/21/2008	Region 3 Response Coordinator, NNSA
Clay H. Ramsey	Special Area COR NNSA Only	NNSA only – MOX integrated Project Division, NNSA	05/01/2008	MOX integrated Project Div. NNSA
N. Carroll McFall	Special Area COR NNSA Only	NNSA only – NNSA SRSO	07/09/2009	NNSA – SRSO Asst Mgr – Mission
Thomas Z. Cantey	Special Area COR NNSA Only	NNSA issues only	11/21/2008	FPD, Waste Solidification Bldg
James W. McCullough	Special Area COR NNSA Only	NNSA only – PDC Project SRSO	02/18/2010	PDC Lead Project Engineer NNSA SRSO
M. Roxanne Jump	Special Area COR NNSA Only	SRSO Facilities and Projects - NNSA only	07/09/2009	NNSA SRSO Asst Manager Facilities and Projects

William D. Clark	Special Area COR NNSA Only	NNSA Project Integration Division only	05/01/2008	Manager, Project Integration Division NNSA
Margaret G. Schwenker	Alternate, for William D. Clark NNSA Only	Alternate, for William D. Clark NNSA Project Integration Division only	10/06/2009	Project Integration Division NNSA SRSO
Sachilo W. McAlhany	Special Area COR NNSA Only	NNSA only – PDC Sr Tech Advisor, NA-26	04/19/2011	PDC Sr Tech Advisor, NA-26
Robert O. Baker	Special Area COR NNSA Only	NNSA only – PDC Const. Project Lead SRSO	02/18/2010	PDC Const. Project Lead SRSO
Richard W. Boyd	Special Area COR NNSA Only	NNSA only – PDC Project Lead for Ops, SRSO	02/18/2010	PDC Project Lead for Ops, SRSO
Thomas Z. Smith	Special Area COR	EM issues only	10/17/2011	EM Dep. Site Mgr., SRO
Douglas E. Hintze	Primary COR	EM Mission Support	05/01/2008	Asst. Mgr. for Mission Support
Terrel J. Spears	Special Area COR	EM Waste Disposition Projects Only	05/01/2008	Asst. Mgr. for Waste Disposition Project
James L. Folk	Special Area COR	EM Alternate, for Waste Disposition Projects Only	03/25/2009	Deputy Asst. Mgr. for Waste Disposition Project
Patrick McGuire	Special Area COR	EM Nuclear Material Stabilization Projects only	05/01/2008	Asst. Mgr. for Nuclear Material Stabilization Project
Carl Lanigan	Special Area COR	EM Nuclear Material Stabilization Project only	11/21/2008	FPD Nuclear Material
Karen L. Hooker	Special Area COR	EM Office of Laboratory Oversight issues Only	12/07/2010	Director, Off of Lab Oversight
Patrick Jackson	Special Area COR	EM Office of Laboratory Oversight WFOs issues Only	12/07/2010	Senior Program Manager, Off of Lab Oversight
Ron Bartholomew	Special Area COR	EM OSSES issues only - Safeguards, Security & Emergency Services, Management	09/26/2011	Director, Safeguards, Security & Emergency Services,

Brenda G. Mills	Special Area COR	EM OSQA issues only -	06/27/2011	Director, Safety and Quality
		Safety and Quality		Assurance
,		Assurance		
Timothy Armstrong	Special Area COR	EM Organizational Property	06/10/2009	Contract Organizational
		Management Officer only		Property Management Officer
R. Kevin Rorer	Special Area COR	SRNS ARRA Property	02/18/2010	Property Management
	For ARRA	Manager issues only		Specialist
Lucy Knowles	Special Area COR	EM Site Chief Counsel for	06/26/2013	Chief Counsel
		legal issues only		
Marlenia Murray	Special Area COR	Financial issues only	11/01/2012	Financial Acquisition Analyst
Irie W. Clarke	Special Area COR	Counterintelligence – IN 30	06/15/2012	Procurement Specialist, IN-30
	_	issues only		_
Phillip "Tony" Polk	Special Area COR	EM Alternate, for Nuclear	10/07/2013	Director, Nuclear Materials
- •		Material Stabilization		Programs
		Projects only		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE O	F PAGES	
AMERICAL OF SOCIOTATION AND DI				1	2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE		QUISITION/PURCHASE REQ. NO.	5. PROJECT NO	). (If applicable)
0411	See Block 16C		M000048	1	
6 ISSUED BY COD	E 00901	7. Al	DMINISTERED BY (If other than Item 6)	CODE 0090	)1 ·
Savannah River Operations U.S. Department of Energy			vannah River Operations S. Department of Energy		
Savannah River Operations			vannah River Operations		
P.O. Box A			O. Box A		
Aiken SC 29802		Al	ken SC 29802		
8 NAME AND ADDRESS OF CONTRACTOR (No., st	reet, county, State and ZIP Code)	(x) <sup>9</sup>	A. AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLU	TIONS, LLC		DATED (DEC (TEN 44)		
Attn: LLOYD CLEVINGER			B. DATED (SEE ITEM 11)		
203 LAURENS ST SW		1 1			
AIKEN SC 298012421			0a. MODIFICATION OF CONTRACT/ORDER N DE-AC09-08SR22470	10.	
		-	IOB. DATED (SEE ITEM 13)		
CODE 798861048	FACILITY CODE		01/10/2008		
750001040	11. THIS ITEM ONLY APPLIES				
The above numbered solicitation is amended as so				hand Disnet	extended.
THE PLACE DESIGNATED FOR THE RECEIPT ( virtue of this amendment you desire to change an to the solicitation and this amendment, and is rece  12. ACCOUNTING AND APPROPRIATION DATA (III	offer already submitted, such change in ived prior to the opening hour and date	may be mad e specified.	le by lelegram or letter, provided each lelegram o		erence
See Schedule		MEC DE	corease	70,400,UU	0.00
			MODIFIES THE CONTRACT/ORDER NO. AS DI		VI 14.
A. THIS CHANGE ORDER IS ISSUE ORDER NO. IN ITEM 10A.	ED PURSUANT TO: (Specify authority	) THE CHA	NGES SET FORTH IN ITEM 14 ARE MADE IN	THE CONTRACT	·
			ADMINISTRATIVE CHANGES (such as changed ITY OF FAR 43.103(b).	s in paying office,	
C. THIS SUPPLEMENTAL AGREEM	MENT IS ENTERED INTO PURSUAN	T TO AUTHO	ORITY OF:		
D OTHER (Specify type of modifica	tion and authority)				
, , ,	ligation of Funds	(2000)			
E. IMPORTANT: Contractor Sis no		_	rn 1 copies to the issuir	ng office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATI	· <u> </u>			<u> </u>	
A. The purpose of this mo		-			nt of
Energy (DOE), in accordance		_		-	
hereby de-obligated to CLI					.,
\$4,739,225,450.43.	n sour, energy dec	, L CUDII.	ig 10 110m \$1,710,000,100	3.13 00	
B. As a result of this mo and Price/Cost, paragraph the total amount of funds \$6,138,953,794.26.	B, entitled "Obliga	ation o	_	ised to d	
C. The contract estimated Continued	value and all othe	er tern	ms and conditions remain	unchange	d.
Except as provided herein, all terms and conditions			heretofore changed, remains unchanged and in	full force and effe	al.
15A. NAME AND TITLE OF SIGN TO THE CONTRACTS N	mple, Senior Vice Preside fanagement	1	SA NAME AND TITLE OF CONTRACTING OFF	FICER (Type or pr	nt)
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	Ple 15C. DATE SIG		SB. UNITED STATES OF AMERICA (Signature of Contracting Official)		10/11/2013

NSN 7549-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

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CONTINUATION SHEET	DE-AC09-08SR22470/0411	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

'ЕМ NO. (Д)	SUPPLIES/SERVICES (B)	QUANTITY (	D)	UNIT PRICE (E)	AMOUNT (F)
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0412	See Blo	ck 16C	14EM	000098			
6. ISSUED BY CODE			7. ADI	MINISTERED BY (If other than Item 6)	CODE	0090	1
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802						
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et, county, State and	1 ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LL		x 10A	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NO. 10 Per	O.		
CODE 798861048	FACILITY COI	DE .		1/10/2008			
790001040	11 THIS ITE	EM ONLY APPLIES TO A		ENTS OF SOLICITATIONS			
Offers must acknowledge receipt of this amendment Items 8 and 15, and returning conseparate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off to the solicitation and this amendment, and is received.	opies of the amen e to the solicitation OFFERS PRIOR er already submit	dment; (b) By acknowled on and amendment number to THE HOUR AND DA ted, such change may be	ging red ers. FA ATE SPI made b	eipt of this amendment on each copy of the off LURE OF YOUR ACKNOWLEDGEMENT TO CIFIED MAY RESULT IN REJECTION OF YO	er subm BE REC OUR OF	nitted; or (c) CEIVED AT FER. If by	Ву
12. ACCOUNTING AND APPROPRIATION DATA (If re				rease: \$1	16,1	190,66	9.53
See SRNS Finplan #2				DDIFIES THE CONTRACT/ORDER NO. AS DE			
	CT/ORDER IS M H IN ITEM 14, PU	ODIFIED TO REFLECT T URSUANT TO THE AUTH	THE AD HORITY	ES SET FORTH IN ITEM 14 ARE MADE IN THE MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).  TY OF:			
D. OTHER (Specify type of modification	and authority)						
X DEAR 970.5232-4 Obl:	igation c	f Funds (200	0)				
E. IMPORTANT: Contractor 🗵 is not.	is required t	to sign this document and	return	copies to the issuing	office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modification (DOE)), in accordance are hereby obligated to CLIN \$4,855,416,119.96.	fication with SR	is to obliga NS FINPLAN 2.	ate :	funds to CLIN 0001 (Departments of \$1	artm 116,	190,66	
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,255,144,463.79.  C. The contract estimated value of the contract of the continued	entitle bligated	d "Obligation to the contra	n of	Funds," is hereby revis	sed to	to ind	crease
Except as provided herein, all terms and conditions of t	he document refe	erenced in Item 9A or 10A	. as her	etofore changed, remains unchanged and in fu	II force :	and effect	
15A. NAME AND TITLE OF SIGNER (Type or print)	Gooding it rele			NAME AND TITLE OF CONTRACTING OFFIC			
			Jam	es Lovett			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		JNITED STATES OF AMERICA		160	C. DATE SIGNED
			Si	gnature on File		1	0/18/2013
(Signature of person authorized to sign)				(Signature of Contracting Officer)		-   +	J, ±0/ ∠0±J

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED		
	DE-AC09-08SR22470/0412	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
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0413		10/25/20	13				
6. ISSUED BY	CODE	00901		7. ADN	NISTERED BY (If other than Item 6)	CODE (	00901
U.S. De				U.S Sava P.O	annah River Operations Department of Energy annah River Operations Box A en SC 29802	_	
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	t, county, State and 2	ZIP Code)	x) 9A.	AMENDMENT OF SOLICITATION NO.		
Attn: LI 203 LAUF	H RIVER NUCLEAR SOLUT: LOYD CLEVINGER RENS ST SW C 298012421	IONS, LLC		9B. 10A X DE	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER N  - AC 0 9 - 0 8 S R 2 2 4 7 0  B. DATED (SEE ITEM 13)	0.	
CODE 79	8861048	FACILITY CODI	E	0	1/10/2008		
		11. THIS ITE	M ONLY APPLIES TO AN	/IENDM	ENTS OF SOLICITATIONS		
separate let THE PLACE virtue of this to the solicit	ter or telegram which includes a reference EDESIGNATED FOR THE RECEIPT OF (s amendment you desire to change an offetation and this amendment, and is received ING AND APPROPRIATION DATA (If regge in Accounting Data	to the solicitation OFFERS PRIOR or already submitted prior to the open nuired)	and amendment numbe TO THE HOUR AND DA' ed, such change may be ing hour and date specifi	rs. FAI TE SPE made bied.	eipt of this amendment on each copy of the off LURE OF YOUR ACKNOWLEDGEMENT TO EC FIED MAY RESULT IN REJECTION OF YO by telegram or letter, provided each telegram or	BE RECEI\ DUR OFFEI r letter mak	VED AT R. If by es reference
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF	CONTRACTS/ORDERS	. IT MO	DDIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED I	N ITEM 14.
CHECK ONE					ES SET FORTH IN ITEM 14 ARE MADE IN TO MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).		
	C. THIS SUPPLEMENTAL AGREEMEN						
	D. OTHER (Specify type of modification	and authority)					
Х	Clause H-28, Perform	• ,	ed Incentives	3			
E. IMPORTAN	_		sign this document and		copies to the issuing	office.	
A. The Plan (PI Previous effectiv B. All	purpose of this modi EMP), Revision 1, for s edition of the FY 2 we October 24, 2013, other terms and cond	fication the peri 013 PEMP copy atta itions re	is to incorp od October 1 is hereby su ched hereto.	per:	olicitation/contract subject matter where feasible Performance Evaluation 13 through September 3 seded and replaced with	on Mea 0, 201 Revis	4. sion 1,
	ND TITLE OF SIGNER (Type or print)		,		NAME AND TITLE OF CONTRACTING OFFIC		
				Mar	ie A. Garvin		
15B. CONTRA	ACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA		16C. DATE SIGNED
	(Signature of person authorized to sign)			31	(Signature of Contracting Officer)		10/25/2013
				1			i .



U.S. Department of Energy Savannah River Site

# PERFORMANCE EVALUATION MEASUREMENT PLAN

Savannah River Nuclear Solutions, LLC CONTRACT NO. DE-AC09-08SR22470 Modification No. 0413

**Evaluation Period:** 

October 1, 2013 through September 30, 2014

Rev. 1 effective: October 24, 2013

Contracting Officer

Contracts Management Division

## **Approval Page**

Concurrence:	Date:
Lucy Knowles Chief Counsel, Office of Chief Counsel	240cl 13
Jeffrey C. Armstrong Director, Office of Acquisition Management	10-17-2013
Douglas E. Hintze Assistant Manager for Mission Support	18 OCT 3\$13
Approval:	
James Lovett, Jr.	10-17-2013

Contract No. DE-AC09-08SR22470 Modification No. 0413 Revision 1

## **Approval Page**

Concurrence:	Date:
Lucy Knowles	
Chief Counsel, Office of Chief Counsel	
To Constant	
Jeffrey C. Armstrong Director, Office of Acquisition Management	
D. J. D. II' 4	
Douglas E. Hintze Assistant Manager for Mission Support	
Approval:	
Approvai	
James Lovett, Jr.	
Contracting Officer	
Contracts Management Division	

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Attachment B, Fee Allocation Model	
Attachment C, EM Performance Incentive Documents for fiscal year 2014	
Attachment D. NNSA Performance Incentive Documents for fiscal year 2014	

## **Revision Summary Log**

Rev. #	Rev. Date	Affected Sections / Pages	Description of Revision
0	10/01/13	All	Initial Issue for this evaluation period
1	10/xx/13	Page 21, changed incentive summary table to reflect switch of fee from NMS to LS.	Nuclear Material Stabilization: \$8,900,000 \$8,800,000 Landlord Services: \$6,160,000 \$6,260,000
1	10/xx/13	Page 22, changed allocated fee for EMO PBI.	Allocated Fee: \$8,900,000 \$8,800,000
1	10/xx/13	Page 23, changed completion criteria for milestone SRNS2014EMO-1.01.	Completion Criteria: Ship one LEU trailer offsite to Areva for TVA contract.
1	10/xx/13	Page 25, changed completion criteria for milestone SRNS2014EMO-2.01.	Completion Criteria: Prepare, and receive, and store containers of surplus plutonium and uranium from LANL off-site items in K Area in accordance with the schedule maintained by DOE-SR.
1	10/xx/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.06.	Completion Criteria: K Area will perform 20 Pu measurements on 20 different cans.
1	10/xx/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.08.	Completion Criteria: Complete FSV +34 or the +48 roof replacement. Replace the Final Storage Vault roof at either the +34 or the +48 level depending on roofer's evaluation.
1	10/xx/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.02.	<ul> <li>Completion Criteria:</li> <li>a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. Assumes DNFSB concurrence with proposal.</li> <li>b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, Fissue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.</li> </ul>
1	10/xx/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.03.	Completion Criteria: Determine the feasibility of study to stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.
1	10/xx/13	Page 27, deleted milestone SRNS2014EMO-3.04.	Date: 12/30/13 Fee: \$100,000 Completion Criteria: Submit DSA/TSR for F/H laboratory based on leak path factor evaluation. Acceptance Criteria: DOE-SR will review the SRNS approved DSA/TSR for the F/H lab based on leak path factor evaluation.
1	10/xx/13	Page 43, changed completion criteria for milestone SRNS2014SRNL-2.02.	Completion Criteria:  a. Continue work on "strategie" tasks for ORP initiated in FY13—including options for dealing with Te, waste qualification strategies, process scenario evaluations, and glass formulation approaches. This effort could move into leading and executing Grand Challenges in support of the high level waste processing system at Hanford. Develop program execution plans for Grand Challenge efforts in support of high level waste processing at the Hanford site. Complete first phase of experimentation as part of these programs. Participate on the Hanford Tank Waste Disposition Integrated Flowsheet development team. Perform flowsheet evaluations and provide definition of key interfaces and waste acceptance criteria.  b. Perform work for Hanford Contractors including WRPS and WTP.

ĭ	10/xx/13	Page 44, changed completion criteria for milestone SRNS2014SRNL-2.03.	Potential scope areas include continuing work on Caststone, Te removal options, development of waste qualification equipment and approaches.  - Complete full scale mixer testing in support of Caststone work - Complete experimentation on Te removal options selected during downselection - Develop conceptual design and fabricate test equipment in support of the waste qualification effort c. Continue leadership of the National Laboratory Technical Authority Team in support of the WTP Full Scale Vessel Qualification Testing Program Define and qualify the instrumentation to be used during the full scale demonstration effort. Develop the simulant to be used during this instrument qualification and the first phase of testing  Completion Criteria:  Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts could include: a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership. b. Issue technical report/journal article on the next phase of Llong term glass corrosion modeling work studies. c. Potential work in separations areas.
1	10/xx/13	Pages 44 and 45, changed completion criteria for milestone SRNS2014SRNL-3.01.	Completion Criteria:  Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP, that may include the following.  a. Provide technical support and report development to Environmental Compliance & Area Completion Projects (EC&ACP) in meeting regulatory milestones and deliverables (e.g., finalize 5 year ROD review deliverable, complete an H-tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan, complete an F-Tank Farm Groundwater Sampling and Analysis Plan, develop a Five Year Remedy Review).  b. Continue development and transition to passive environmental technologies and approaches for EC&ACP waste site remediation (e.g., T- Area).  c. Continue support for operating systems and final closure of groundwater and vadose units (e.g., field sampling and analytical support for EC&ACP technology demonstrations and performance analysis for SVE operating treatment systems).
1	10/xx/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.03.	Completion Criteria: As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE-SR OLO and SRNL, reduce deferred maintenance backlog by effective management of Construction Maintenance orders (CMO) and Major Maintenance scopes and effective execution of IGPP projects. Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.
1	10/xx/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.04.	Completion Criteria: As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE-SR-OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost. Implement the SRNL

			Infrastructure Plan to reduce operational cost by facility and scientific
			instrument renewal as well as an improved Asset Condition Index as defined in
		Page 54, changed	the approved FY14 SVS Implementation Plan.  Allocated Fee: \$1,410,000 \$1,510,000
1	10/xx/13	allocated fee for LS PBI.	Anocated Fee. \$1,410,000 \$1,510,000
		Page 57, changed	Completion Criteria:
1	10/xx/13	completion criteria for	Provide liaison support for a successful transition of the privatization of
1	10/XX/13	milestone	Outsource the SRNS ESS Facilities Maintenance and ensure success by
		SRNS2014LS-3.01	providing business and technical leadership.
			Date: 9/30/13
			Fee: \$100,000
			Completion Criteria:
			Evaluate the Critical Infrastructure Integrated Priority List (CIIPL) process and further improve the data content for better use as a tool for funding
			allocation.
			Evaluate and report CHPL effectiveness through an analysis of the
		Page 59, added milestone	disposition of CIIPL projects from the prior 3 years.
1	10/xx/13	SRNS2014LS-5.02	Acceptance Criteria:
		Tread trivial of contention and a distribution of a distribution of	DOE-SR will validate the completion of the following milestones and
			document results in the Site Tracking, Analysis & Reporting (STAR) system:
			<ul> <li>Evaluate CHPL documentation.</li> </ul>
			<ul> <li>Review the updated CHPL quarterly or as-needed.</li> </ul>
			<ul> <li>Evaluate data improvements.</li> </ul>
			<ul> <li>Evaluate CHPL effectiveness report.</li> </ul>
			Contract Performance Outcome:
			Contract i erior mance Outcome.
			Nuclear Materials Management
			Consideration of the Considera
1			The Contractor shall safely and effectively manage nuclear materials and
			facilities in accordance with applicable DOE Directives and requirements.
			Management of nuclear materials at SRS includes storage, operations and
			disposition.
			Solid Waste
			Solid Waste
			The Contractor shall manage the Solid Waste Program to safely and effectively
			prevent and/or minimize the generation of solid waste to include hazardous,
			low level, transuranic, mixed, and municipal sanitary wastes. The Contractor
			shall insure that the handling, treatment, storage, transportation and disposal of
			existing "legacy" and future solid waste is environmentally sound and in
		Pages 63 and 64, changed	compliance with DOE Directives, and applicable regulations and requirements.
1	10/xx/13	Contract Performance	
		Outcome for PBI	
		Soil and Water Remediation	
		SRNS2014SUBJ.	The Application of the Applicati
			The Contractor shall plan and safely execute a program that meets all
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement,
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans,
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.  Savannah River National laboratory (SRNL)
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.  Savannah River National laboratory (SRNL)  SRNL's three-fold mission is to enable the success of SRS operations; to
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.  Savannah River National laboratory (SRNL)  SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.  Savannah River National laboratory (SRNL)  SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.

			Sitewide ES&H Program
			The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.
1	10/xx/13	Page 67, changed fee statement for PBI SRNS2014SUBJ.	Up to \$2,610,000 \$5,000,000 of the allocated fee will be paid for this Contract Output.

## 1. Purpose

This document serves as the Performance Evaluation Measurement Plan (PEMP) for fiscal year 2014 as identified in Section H-28, *Performance Based Incentives*, of Contract No. DE-AC09-08SR22470 between the U.S. Department of Energy (DOE) Environmental Management (EM) Savannah River (SR) and Savannah River Nuclear Solutions (SRNS) LLC, approved January 10, 2008.

Incentives are developed annually by DOE and SRNS to support mission strategies for the fiscal year and measure all work performed by the contractor during the evaluation period. The SRNS contract is a performance based contract for the management of a DOE facility governed by the provisions of FAR 17.6 and DEAR 917.6. It is a cost-reimbursement contract with provisions for a general performance fee and performance incentives as provided for in the clause in Section I entitled, DEAR 970.5215-1 Total Available Fee: Base Fee Amount and Performance Fee Amount.

The PEMP addresses development of the Performance Incentive Document (PID). This includes administration of performance measures at the contract level for total available fee defined in the contract, Section B, Supplies or Services and Prices/Costs. Incentives are approved only when funding is authorized for fee-bearing work.

National Nuclear Security Administration (NNSA) and EM incentives established under the contract are contained in the PEMP as attachments. The PEMP, incentive documents and revisions become part of the contract through contract modification.

NNSA works with DOE-SR to develop incentives for the site. Development, review and approval of incentives, and revisions, are managed through the program Head Contracting Activity; NNSA incentives are approved by the NNSA Program Administrator. The approved NNSA incentives are included as Attachment E.

## 2. PEMP Integrated Project Team (IPT)

An Integrated Project Team (IPT) has been established in accordance with DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets. The team's charter defines specific roles and responsibilities of the IPT. IPT roles and responsibilities are further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan. Reference Attachment A, Integrated Project Team (IPT) Charter.

#### 3. The PEMP Process

The PEMP process for SRNS is based on fiscal year performance as identified in the contract. The PEMP process is further defined in Savannah River Implementing Procedure (SRIP) 412.1, *Performance Evaluation and Measurement Plan*.

## 3.1 Incorporating DOE, EM and Site Mission

The Savannah River Site publishes a Strategic Plan in support of DOE-EM and NNSA missions. The Strategic Plan articulates site vision and missions to successfully execute current missions, including sustainability and revitalization of site assets.

During the past several years federal and contractor staff worked together to define performance measures for strategies in order to develop performance statements, metrics and milestones. As a result of this effort, EM, NNSA and site missions are tied to the contract statement of work.

Functional areas of the contract Statement of Work identify mission-critical outcomes. Outputs and measures define how work is performed in order to meet the outcomes. This framework is used to develop criteria in the Performance Incentive Document (PID).

## 3.2 Performance Planning and modifications

The PEMP is developed with federal and contractor staff input. Both federal and contractor parties strive to reach mutual agreement on expected business, operational and technical performance and work together to develop incentives, descriptions and associated measures tied to contract level objectives, DOE strategic goals and program objectives. Incentives and their associated fee demonstrate direct flow down of DOE strategic goals and priorities.

EM and NNSA headquarters contracting authorities review and approve the PEMP and any change to an incentive's total amount of available fee. The Contracting Officer (CO) reserves the right to make unilateral decisions on all performance objectives and incentives (including the associated measures and targets) used to evaluate contractor performance, including any modifications.

The contract fee is split between EM and NNSA and the ratio is approximately a 55/45 split, making the EM fee \$25M annually. This EM fee amount is then further subdivided to each PBS based on funding, complexity and risk. EM Headquarters has given the DOE-SR Contracting Officer authority to manage contract fee, up to \$25M, thus any subsequent PEMP changes that occur at the PBS level are managed and approved by the DOE-SR CO.

The PEMP is developed and approved prior to the beginning of each evaluation period. Only the CO can change the PEMP. No changes will occur to the PEMP in the last 60 days of the evaluation period, unless with bilateral agreement between the CO and the contractor.

## 3.3 Risk Management

DOE site management uses an integrated risk management process for the EM life cycle. This process provides programmatic risk analyses of work, establishes a process for identification and management of risks and integrates risk data from prime contractors, including SRNS.

The SRS integrated approach to risk management ensures project teams and management are involved in risk identification, grading, handling, impact determination, and integration. The process concludes with preparation of the Risk & Opportunity Analysis Reports (ROAR) and contingency estimates contained in the DOE-SR Federal Risk Management Plan (FRMP) [SRS Risk Summary and Integrated Contingency Analysis]. Each project ROAR provides a summary description of the integrated approach employed in the development of a project risk plan.

An assessment process is used to identify risks and opportunities associated with each project. The risks and opportunities are analyzed and strategies developed to ensure risks are managed to acceptable levels and opportunities are identified to improve the probability of successful completion of the project work scope. A detailed description of the methodology employed for the risk and opportunity assessment conducted by each of the Integrated Project Risk Teams appears in *Manual E11*, *Procedure 2.62 Project Risk and Opportunity Analysis*.

## 3.4 Performance Incentive Document (PID)

A Fee Allocation Model is developed by the IPT and is illustrated in Attachment B. It is used to illustrate distribution of fee based on weighting of funding, priority and complexity.

The PID is used to measure site level incentive outcomes and acceptance documentation. A PID includes: A Performance Outcome statement, Contract Output performance statements, metrics, Completion Criteria, and Acceptance (documentation) Criteria. The PID is further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan.

### 3.5 Other Incentives

Incentives negotiated as a result of the cost reduction process per SRNS-RP-2009-01188, *SRNS Continuous Improvement System Implementation* will be managed per SRNS Contract clause I.42, DEAR 970.5215-4, Cost Reduction, in conjunction with the SRNS Continuous Improvement Process.

The CO may mutually negotiate with the contractor additional available fee for additional work not covered by the available budget. The funds for such work and the associated available fee are funded through the contractor's efficiencies in accomplishing the

otherwise funded work. The additional work must be performed in a safe manner meeting all necessary requirements; and the performance of the additional work cannot affect the safe, proper performance of the otherwise funded work. Any additional work will be authorized in accordance with provision in the contract entitled, *Work Authorization System* and is considered above base scope. This additional work falls under the management of DOE O 412.1A, *Work Authorization System*.

Incentives created as a result of implementing the above contract clause and/or directive will be managed per separate contract requirements, and authorized through contract modification.

## 4. Change Control

Performance incentives and fee allocation will not be changed unless there is a significant impact by a change to the scope of the contract, baseline or funding as directed by the government or government delay affecting the contractor's ability to achieve the stated performance incentives and measures in the PEMP. Any changes are subject to DEAR 970.5243-1, Changes, as provided in the contract and must be approved by the CO and Fee Determining Official (FDO).

- 1. All proposed changes to a PID will be discussed at scheduled Award-Fee Board /IPT meetings.
- 2. Following Fee Board/IPT discussion, the contractor will submit formal correspondence to the CO requesting the proposed change to the PID. The correspondence should include:
  - a. Any proposed change to the original incentive document
  - b. Proposed new incentives tied to the current Contract Performance Baseline (CPB)
  - c. Proposed fee allocation adjustment between current incentives and/or new incentives
  - d. Elimination of current incentives
- 3. Upon receiving correspondence from the contractor, the CO will consult the appropriate Assistant Manager/Office Director (AM/OD) and Subject Matter Expert to determine:
  - a. If the proposed change impacts the CPB
  - b. If the proposed change identifies new and/or unfunded scope
  - c. If the proposed change impacts multiple site organizations
- 4. If the proposed change *does not meet* any one of the above determinations, the CO will issue correspondence to the contractor approving such change to the PID that incorporates advice of the AM/OD and/or Subject Matter Expert.
- 5. If the proposed change *meets* any one of the above determinations, the CO will request the contractor develop and submit a Baseline Change Proposal (BCP) for review by the federal (site) configuration control board.
  - a. Following the recommendation of the federal configuration control board, the CO will issue correspondence to the contractor approving such change to the PID that incorporates the advice of the Fee Board.

<sup>&</sup>lt;sup>1</sup> Federal Acquisition Regulation (FAR) Subpart 16.401 requires an Award-Fee Board for conducting the award-fee evaluation.

- 6. The CO will issue a modification to the contract for any change to currently approved PID.
- 7. The CO may deny any proposed changes to the PID.

Action directed by CO correspondence is considered to be within scope of work of the existing contract. If the contractor considers that carrying out direction may increase contract costs or delay any delivery, the contractor shall promptly notify the CO orally, confirming and explaining the notification in writing as soon as possible, but within no more than five (5) working days. Following oral notification and submission of the written notice of impacts, the Contractor shall await further direction from the CO prior to implementing the action.

## 5. Federal Oversight of Contractor Performance

Central to administration of the contract is assessment of contract performance. All federal employees performing assessments are expected to understand terms and conditions of the contract. In order to verify performance, a systematic process of assessment, analysis, documentation and feedback will be required. A range of assessment techniques from data/metric reviews and analysis, to review of self-assessments by the contractor, to formal multidisciplinary assessments will be employed. The assessments will be tailored based on the level of definition of the work requirements and complexity of the function.

Procedures for assessing contract performance are described in the SR Manual (SRM) 226.1.1D, Integrated Performance Assurance Manual. The intent of the oversight processes described in the manual is to assure contractor compliance with contract requirements, provide for timely identification and correction of deficient conditions, verify effectiveness of completed corrective actions, and pursue excellence through continued improvement. Additionally, the manual is intended to assist DOE in implementing the site contractor oversight system (a management framework of related processes to determine whether federal and contractor assurance programs are performing effectively and/or complying with DOE requirements).

The contractor oversight system is founded on an integrated safety management system (ISMS), emulating DOE P 450.4A, Safety Management System Policy. SRM 226.1.1D describes processes comprising the contractor oversight system, which enables DOE to: (1) clearly communicate requirements and expectations to contractors; (2) assess the quality, effectiveness, and efficiency of contractor assurance systems and resulting work products in complying with contract requirements; (3) effect continuous improvement in contractors' operations; and (4) enhance the effectiveness of DOE-SR oversight of contractor performance.

The contractor oversight system provides DOE site management information needed to make informed decisions regarding both contractor and DOE performance and to determine whether program corrections are necessary. Communicating requirements and expectations to the contractor is an essential component in the contractor oversight system. Requirements and expectations are communicated through the Statement of Work, special clauses, contract modifications, and through technical direction by the CO or representative.

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SRM 226.1.1D provides detailed requirements for standardized scheduling, planning, conducting, reporting, and follow-up and closure activities for Type 1, 2, and 3 Assessments. Assessments are designed to provide managers with meaningful, accurate, and current information on the status of program compliance, productivity, and quality. Use of standardized assessment methods is a key feature of DOE site performance assurance.

### 6. Performance Evaluation

The evaluation criteria of this plan are applicable at the contract level **and not** to individual projects or work objectives under the contract. As such, although this plan uses subjective evaluations to rate the contractor and determine the final amount of fee earned for overall contractor performance, objective measurements of contractor performance are included in the plan to support the FDO evaluation and articulate to the contractor what is expected to be achieved for program success during the evaluation period. The actual fee determination and the methodology for determining fee remain unilateral decisions made solely at the discretion of the Government, although the final fee determination is subject to the Disputes clause.

The contractor documents completion of incentives in the electronic Fee Invoicing System (FIS) and forwards documentation to the relevant DOE organization technical representative, who in turn will perform a verification of documentation to confirm output criterion has been met. This may also require an in-field validation. Validation of the work will be accepted, in accordance with the performance criteria, and documented in the DOE-SR STAR system and the FIS.

Upon verification, recommendation is forwarded through management to the Award-Fee Board. The Fee Board verifies documentation provided demonstrates satisfactory completion according to PID requirements through presentation by the AM/OD, including peer-level discussion. Fee recommendation to the FDO will be made according to the PID.

The contractor may perform self-assessment of their performance. The Fee Board will review any assessment provided by the contractor. If the Fee Board does not concur with the contractor's self-evaluation and recommendation, all such disagreements shall be expressed in a performance evaluation letter to the contractor. The contractor shall submit written comments and any supporting documentation to the Fee Board within five (5) working days of receiving the evaluation letter. Within ten (10) working days of receiving any contractor comments or reclama, the Fee Board shall provide the FDO a recommendation, including amount, rationale, and justification.

Disputes that occur during verification, and resolution is not forth coming between the contractor and the appropriate AM/OD, will be resolved by the Performance Fee Board during regularly scheduled meetings.

### 7. Payment of Fee

Fee described herein is earned based upon the contractor's performance of the overall contract level requirement during the evaluation period. The contractor begins the evaluation period with 0% of the available fee and earns fee during the evaluation period. The potential for the

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contractor to earn 100% of the fee amount is a mutual goal as it demonstrates the program's objectives were clearly communicated and achievable.

The contractor requests provisional fee payment by submitting an invoice. Following verification by the relevant AM/OD a recommendation is forwarded to the Award-Fee Board and FDO. The FDO determines fee payment, following Award-Fee Board review and recommendation. Determination of fee earned is the unilateral decision of the FDO.

The contractor will be advised in writing of the amount and basis of the performance incentive fee determination. Performance incentive fee not earned during the performance period will not be allocated to future performance periods. However, fee may be allocated to new performance-based incentives as developed by the IPT, as long as the completion of the newly developed incentive does not extend beyond the evaluation period.

Fee is considered provisional throughout the performance period. The FDO unilaterally determines the total fee awarded to the contractor. Fee may be reduced per contract Section B.9, DEAR 970.5215-3 Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (JAN 2004) ALTERNATE II [JAN 2004] [DEVIATION].

Contract clause H-33, PROVISIONAL PAYMENT OF INCENTIVE FEE, allows provisional payment of fee for partial completion of subjectively evaluated [subjective] incentives. The contractor may request up to 50% of the total fee available for each subjective incentive. If requests are monthly, the contractor must use a 1/12 divisor; if requests are quarterly, then 1/4 divisor; if semi-annual, then 1/2 divisor. Provisional fee is not considered earned fee, and is contingent upon a final fee determination by the FDO.

Total available fee amount earned payments are made by direct payment or withdrawn from funds advanced or available under the contract, as determined by the CO. The CO may offset against any such fee payment the amounts owed to the government by the contractor, including any amounts owed for disallowed costs under the contract. No base fee amount, or total available fee amount, payment may be withdrawn against the cleared payments financing arrangement without the prior written approval of the CO.

The contractor has developed an automated FIS that uses measurement data from each PID. The contractor works with DOE to identify appropriate DOE approvers. The system assigns responsibility to each output so that the routing process ensures appropriate review by federal and contractor staff. Time limits are assigned to each step to ensure smooth processing and timely approvals. The system notifies responsible approvers when the review / approval allotted time has been exceeded.

## 8. Government Furnished Services/Items (GFS/I)

GFS/I are factored into the final fee determination for this incentive contract. GFS/I are identified in the Basis of Estimates (BOE) found in WBS dictionaries for specific tasks. The purpose of the GFS/I are to identify inherent government responsibilities that may pose some level of risk to the contractor in completing incentives. GFS/I are the burden of the government,

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mutually accepted as part of the performance agreement. If the Government fails to achieve GFS/I equitable adjustment may be made specific to the incentive. These adjustments, however, cannot exceed the maximum available fee for the specific incentive.

## 9. Reporting Requirements

The contract requires each report must be accompanied by a letter or other document which:

- Identifies the contract number under which the item is being delivered; and
- Identifies the contract requirement or other instruction which requires the delivered item(s).

The contractor is responsible for maintaining all records and controlled documents related to the PEMP per DOE O 200.1A, *Information Management Program*, and DOE Order 243.1, *Records Management Program*.

## Attachment A, Integrated Project Team (IPT) Charter

## INTEGRATED PROJECT TEAM (IPT) CHARTER

IPT NAME:

PEMP Integrated Project Team (IPT)

LEVEL OF IPT:

Savannah River Operations Office, Deputy Manager

## IPT MISSION/OBJECTIVES

The IPT provides site senior federal management a process for evaluating and measuring performance tied to strategic goals. This charter defines roles, responsibilities, authorities and accountabilities for this process. The mission of the IPT is to enable performance and help avoid potential barriers to success.

The Deputy Manager is the DOE-SR Executive Sponsor of the IPT and Fee Board Lead. The IPT is comprised of federal and contractor employees. Federal members include the CO, Performance Incentive Managers, Technical Leads, NNSA SRSO Manager and NNSA NA-262. Contractor members include Management and Operations (M&O) Vice President for Business Services, SRNS Director of Contracts, and Technical Leads. The IPT is augmented as necessary with Subject Matter Experts and matrix support personnel (both federal and contractor) who possess specific competencies, skills and expertise required for successful execution of projects.

The CO has authority to make final decisions on all performance objectives and incentives (including associated measures and targets) used to evaluate Contractor performance, in accordance with the Contract, Section H-28 (b). The DOE-SR Site Manager is an ex officio member of the IPT. The Site Manager is the FDO.

## SCOPE OF IPT RESPONSIBILITIES

## IPT Executive Sponsor/ Fee Board Lead

The IPT Executive Sponsor also serves as the senior federal member of the Fee Board. The IPT Executive Sponsor is the federal official responsible for project success. In accordance with DOE O 413.3B, the IPT Executive Sponsor is responsible for the following:

- Charter and lead the IPT
- Schedule and hold IPT meetings
- Request support from DOE functional resources as required to resolve issues
- Lead Fee Board assessment and discussion of contractor performance
- Identify and resolve critical issues

### **IPT Members**

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IPT members are responsible for supporting the Executive Sponsor with technical and project management responsibilities during project execution. Members conduct and/or coordinate activities for their respective organizational element or functional area of responsibility. IPT members are responsible for the following:

- Ensure interfaces are identified, defined, and documented
- Review and assess performance and project status against parameters, baselines, milestones, and deliverables
- Support the IPT Executive Sponsor
- Review and comment on deliverables

The names of IPT members listed below are current as of the issue date of this charter. Names or functional responsibilities may change at the discretion of the IPT Executive Sponsor without having to modify or update this charter. The Table identifies IPT members, Fee Board members, and Technical Leads.

## Award-Fee Board Organization

The Fee Board is a subset of the IPT. The Fee Board is comprised of federal IPT members. Fee Board members discuss proposed revisions to PID and incentive documentation, review supporting documentation for fee payment determination, and make recommendations to the FDO via the Fee Board Lead.

The Fee Board is responsible for assuring quality assessments have been completed for feebearing work, and that the assessment has been formally documented per site directives before recommending payment of fee to the FDO.

### Fee Board Rules of Conduct

## Call to Order:

The IPT Executive Sponsor, acting as Fee Board Lead, will call the Fee Board portion of the meeting to order following dismissal of all non-federal IPT members.

## Fee Board presentation:

The Fee Board Lead will open the floor for federal staff to discuss IPT presentations regarding matters such as proposed revisions to PID, supporting documentation for fee payments, or general discussion of performance. The Performance Incentive Manager leads the presentation related to his/her PID. Other Fee Board members may discuss the presentation and make recommendations to the Performance Incentive Manager.

#### Fee Board determinations:

Following Fee Board presentations, or if there are none, the Fee Board Lead will lead an informal review and discussion of completed fee-bearing work that is being considered for invoicing, including supporting documentation for fee payment determination. Performance Incentive Managers, or their designee, are responsible for discussing completion documentation and evaluation of performance of the fee-bearing work.

Following discussion, Fee Board members make a motion to:

- Accept the recommendation of the Performance Incentive Manager for the incentive as described in the invoice;
- Accept the recommendation of the Performance Incentive Manager, but request additional documentation be added to document satisfactory completion of the incentive as described in the invoice;
- Require additional documentation in order to recommend a determination.
- Require federal manager attend next scheduled Fee Board to discuss adequate documentation in order to recommend a determination.

Fee Board members may support, or second, the motion and provide discussion. No quorum is required for the Fee Board meeting. The Fee Board Lead, observing no objections, shall accept the motion with Manager NNSA SRSO, or designee, concurrence.

NAME	FUNCTION	ORGANIZATION
MOODY, Dave	IPT Member [ex officio] DOE Fee Determining Official [FDO]	DOE-SR Site Manager
SMITH, T. Zack	IPT Executive Sponsor/Co-Fee Board Lead	DOE-SR Deputy Manager
HINTZE, Doug	IPT/Co-Fee Board Lead/Performance Incentive Manager	Assistant Manager for Mission Support (AMMS)
MCGUIRE, Pat	IPT/ Performance Incentive Manager	Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)
SPEARS, Terry	IPT /Performance Incentive Manager	Assistant Manager for Waste Disposition Project (AMWDP)
ADAMS, Angelia	IPT/ Performance Incentive Manager	Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)(acting)
HOOKER, Karen	IPT/ Performance Incentive Manager	Director, Office of Laboratory Oversight (OLO)
DEAROLPH, Douglas	IPT/Fee Board Member/Performance Incentive Manager	Manager NNSA SRSO

CLARK, William	IPT/ Performance Incentive Manager	Manager NNSA NA-262
LOVETT, James	IPT Member [ex officio] Fee Board Member	Contracting Officer M&O Contract
DAVIS, Peggy	IPT Member	Vice President SRNS Support Services
TEMPLE, John	IPT Member	Director SRNS Contracts Management
CHRISTIAN, John	DOE IPT Technical Lead	Program Analyst for Mission Planning Division
PENNINGTON, Michele	SRNS IPT Technical Lead	SRNS Contracts Management

## Attachment B, Fee Allocation Model

## **Funding Assumptions for Fee Allocation**

Funding for fiscal year 2014 represents targets SRNS will use in the FY14-18 Baseline Update, with DOE-SR concurrence. These funding targets reflect a "reasonable" program that is regulatory compliant. Any changes to these funding targets will require analyses to determine impacts at the Contract Output level.

## Fee Allocation (based on current funding assumptions)

Funding comes from EM Project Baseline Summaries (PBS) and NNSA funds. Funds are divided into two categories: contract scope cost is directly funded (direct). Scope cost for support activities funded indirectly by placing a tax on individual funds. See table below for FY14 estimated funding:

Est. Funding	Funding Source:			
\$254,992,000	PBS 11C			
43,130,000	PBS 12			
50,137,000	PBS 13			
51,809,000	PBS 30			
23,339,000	PBS 20 (EM Safeguards & Security)			
\$423,407,000	Total EM Funding			
101,528,000	Nuclear Nonproliferation Funding			
239,460,000	Defense Programs Funding			
12,868,000	NNSA Safeguards & Security			
\$777,263,000	Total Projected Funding without Minors and WFO [NOTE: This does not include ESS/Legacy pension support to SRR (PBS 14C)]			

The M&O contract identifies \$46,535,000 available fee for the contract period (October 2013 through September 2014). When the fee is subtracted from the Total Projected Funding, the fee base in entire fiscal year 2014 becomes \$730,728,000.

For fiscal year 2014, EM provides 55 percent of the Total Projected Funding, while NNSA provides 45 percent. This percentage is used to allocate the contract fee between EM and NNSA. For fiscal year 2014, EM will manage \$25M of fee applied to incentive work for the evaluation period. NNSA will manage \$21M of fee applied to incentive work for the evaluation period.

Performance Incentive Documents in Attachment C (EM) and Attachment D (NNSA) were developed based on the current President's budget for fiscal year 2014, adjusted by DOE-SR. Work described is based on the current contract. Actual performance of contract outputs may be revised based on an approved fiscal year budget, continuing resolution, program execution

guidance, and/or available funding. All work is performed within existing financial agreements and authorization.

EM Fee is distributed based on the projected funding as indicated below:

PBS	President's Budget	Fee Distribution
PBS 11C	\$254,992,000	\$15,267,000
PBS 12	\$43,130,000	\$2,582,000
PBS 13	\$50,137,000	\$3,002,000
PBS 30	\$51,809,000	\$3,102,000
PBS 20	\$23,339,000	\$1,397,000
EM Funding / Fee	\$423,407,000	\$25,350,000

The following is the DOE-SR EM suggested incentives summary by program for the fiscal year 2014 performance period:

Program	Objective	Subjective	Total
Nuclear Material Stabilization (AMNMSP)	\$8,900,000 \$8,800,000		\$8,900,000 \$8,800,000
Environmental Stewardship (AMIES)	\$3,490,000		\$3,490,000
Waste Disposition (AMWPD)	\$1,800,000		\$1,800,000
Landlord Services (Includes: SRNL, Planning, Infrastructure, Landlord Services, Safety, Safeguards & Security, ESSH)	\$6,160,000 \$6,260,000	\$5,000,000	\$11,160,000 \$11,260,000
Total	\$20,350,000	\$5,000,000	\$25,350,000

## Attachment C, EM Performance Incentive Documents for fiscal year 2014



## Performance Incentive Document

PID Number:	SRNS2014EMO		
Activity Name:	Environmental Management Operations		
WBS Number:	1.29.20.04, 1.29.20.05		
Performance Period:	October 1, 2013 - September 30, 2014		
Allocated Fee:	\$8,900,000 \$8,800,000		
Revision Number:	0 1		
Senior level manager/Performance Incentive Manager:  Senior technical advisor:		Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP) Allen Gunter	

### **Contract Performance Outcome:**

Receive, store, ship, and disposition nuclear materials in a safe, and secure manner. Operate and maintain the H Canyon Complex to support disposition of nuclear materials. Receive Foreign Research Reactor (FRR) and Domestic Research Reactor (DRR) used nuclear fuel (UNF) in L Basin in coordination with the NNSA Nuclear Nonproliferation Program and other applicable DOE programs. Expand KAC capacity with construction of the Final Storage Vault and expand capabilities with implementation of planning activities for WIPP blending while maintaining DOE-STD-3013 DE surveillances. Implement risk reduction actions at 235-F and reduce F-Area costs.

## Contract Output SRNS2014EMO-01:

Receive, characterize, and disposition materials in H-Area.

### Description/Background/Justification:

Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include:

maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials.

## Up to \$3,900,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$200,000	Ship one LEU trailer offsite to Areva for TVA
EMO-1.01		78	contract.

## Acceptance Criteria

DOE-SR will validate the LEU shipment via the MC&A Form 741 transfer documentation for the one LEU shipment. GFSI: Vendor must be ready to receive trailers by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	a.\$300,000	a. Complete SRE charging and dissolution.
EMO-1.02	9/30/14	b.\$200,000	b. Transfer SRE to a sludge batch.

## **Acceptance Criteria**

DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.03	9/30/14	\$500,000; \$125,000 fee paid each quarter.	Charge two bundles of UNF or Pu to the H Canyon dissolver or probe the dissolver twice per shift crew per quarter to maintain proficiency.

### Acceptance Criteria

DOE-SR will review H Canyon dissolver probing procedure 221-H-1987 or actual dissolver charging procedure to ensure a minimum of two actual UNF or Pu bundles or two dissolver probings were completed for each shift each quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.04	9/30/14	\$500,000; \$125,000	Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run or actual hot
EWIO-1.04		fee paid	ops to address equipment operability and maintain operator proficiency. (Due to Liquid Waste Min.,
		each	only two 1 <sup>st</sup> Cycle and two 2 <sup>nd</sup> Cycle Cold Runs per
		quarter.	year.

#### Acceptance Criteria

DOE-SR will review the completed quarterly Cold Run Operations start-up and shut-down procedures and summary data sheets for the one cold run performed for that quarter.

Number	Date	Fee	Contract Output Completion Criteria:
Property and the control of the control of	9/30/14	\$100,000	Prepare and issue a revised H Canyon Resumption
EMO-1.05			Plan each quarter.

## Acceptance Criteria

DOE-SR will review the SRNS issued quarterly H Canyon Resumption Plan to ensure appropriate elements.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000	Dissolve one batch of Pu (approximately 20 kgs).

EMO-1.06			
Acceptance (			
DOE-SR will	review diss	solving proced	ures or MC&A signed data sheet.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	a.\$150,000	a. Implement Waste Min. action to revise the
EMO-1.07	(a and b)	-	sump flush program to track transfers.
	<b>\</b> `	b.\$150,000	b. Implement Waste Min. action to recycle HB-
			Line column waste for use in 6.4D.
	9/30/14	c.\$150,000	c. Implement Waste Min. action to improve
	(c and d)		neutralization formula for WAC
			implementation.
		d.\$150,000	d. Implement Waste Min. action to refine LAW
		-	operation and acid stripping process.
Acceptance (	Criteria	1	
		implemented !	Liquid Waste Minimization actions by procedure or
document rev			The state of the s
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	a.\$500,000	a. Complete HFIR planning preps with the
EMO-1.08			exception of the H Canyon NCSE/DSA
			revision, flowsheet, hydrogen generation study
			dissolver insert and storage rack design,
			fabrication, and installation that may not be
			completed if funding/staffing is limited.
	6/30/14	b.\$100,000	b. Perform evaluation of attractiveness level "C"
			UNF material for H-Canyon dissolution.
Acceptance			
			TR planning preps and the completed evaluation of
attractiveness	s level "C" I	JNF material.	
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Complete Canadian Liquid unloading and piping
EMO-1.09	ļ		Design.
Acceptance	Criteria		
DOE-SR will	l review Car	nadian HEU L	iquid unloading and piping design documents.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$150,000	Implement all actions needed to resume WIPP
EMO-1.10			blending.
<del>-</del> -	Cl.242.	A section of the section of the	
Acceptance	Criteria		
		cedures and de	ocuments to verify ready to resume WIPP blending.

## **Contract Output SRNS2014EMO-02:**

Contract No. DE-AC09-08SR22470 Modification No. 0413 Revision 1

Receive, store, characterize and disposition surplus plutonium and uranium materials in K Area.

## Description/Background/Justification:

K Area will continue to perform surveillance of the DOE-STD-3013 containers in storage. K Area will continue to receive and store containers of surplus plutonium and uranium from off-site. K Area facilities will initiate the planning to allow disposition of surplus plutonium oxide for future transfer to WIPP. K Area will continue with construction of Final Storage Vault.

## Up to \$2,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.01	9/30/14	\$500,000; \$125,000 paid quarterly.	Prepare, and receive, and store containers of surplus plutonium and uranium from LANL off-site items in K Area in accordance with the schedule maintained by DOE-SR.

#### **Acceptance Criteria**

DOE-SR will review SOP-PHS-001-K to verify receipts to KAC or review operator and FLMs MSA qualifications to verify facility is ready to receive.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$225,000;	Complete 9 Destructive Evaluation (DE)
EMO-2.02		\$25,000 per	Surveillances on DOE-STD-3013 Storage
		can,	Containers.
		invoiced	The contract of the contract o
		quarterly.	

### Acceptance Criteria

DOE-SR will review K-Area Interim Surveillance Log Sheet (FRM-CSS-002-K or equivalent) and the Surveillance Program Authority (SPA) Data Set 1 parameters for the DE sample.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$100,000	K Area will submit to DOE the SRNS approved
EMO-2.03			DSA/TSR supporting Final Storage Vault (FSV).

#### Acceptance Criteria

DOE-SR will review the SRNS approved DSA/TSR supporting FSV.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.04	8/31/14	\$250,000	Complete Final Storage Vault (FSV) project construction.

## Acceptance Criteria

DOE-SR will review the completed FSV construction project documents.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014	3/31/14	\$500,000	Complete Readiness Assessment on DSA Rev.
EMO-2.05			10/TSR Rev. 41 to expand K Area capabilities.

## Acceptance Criteria

DOE-SR will observe RA activities as desired and review the RA declaration of readiness.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.06	9/30/14	\$200,000; \$10,000 per can.	K Area will perform 20 Pu measurements on 20 different cans.

## **Acceptance Criteria**

DOE-SR will review the non-destructive analysis measurement form.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.07	9/30/14	\$125,000	Support IAEA Inventory Inspections.

## Acceptance Criteria

DOE-SR will validate that KAC personnel provided adequate preparation and support during the IAEA Inventory inspections.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.08	9/30/14	\$100,000	Complete FSV +34 or the +48 roof replacement. Replace the Final Storage Vault roof at either the
			+34 or the +48 level depending on roofer's
			evaluation.

## Acceptance Criteria

DOE-SR will review the roofing subcontractors completion document or the 8Q-51 safety walkdown (OSR 20-22) completed by SRNS.

## Contract Output SRNS2014EMO-03:

Reduce risks at 235-F and improve F-Area infrastructure.

## Description/Background/Justification:

This contract output supports innovative and cost effective means to implement the 235-F risk reduction Implementation Plan actions while reducing costs to the F-Area baseline.

## Up to \$1,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014 EMO-3.01	3/30/14	\$100,000	Revise F-Canyon Complex Surveillance and Maintenance (S&M) Plan to allow transition to reduced S&M.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.02	6/30/14 9/30/14	a. \$50,000 b. \$50,000	<ul> <li>a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. Assumes DNFSB eoncurrence with proposal.</li> <li>b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, Iissue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.</li> </ul>
Acceptance	Critorio		mode with a single 234-131° 33° Diesei.
	a single 254		ed feasibility study for a single 292-F exhaust fan esel generator and the design to support the
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.03	9/30/14	\$50,000	Determine the feasibility of study to stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.
Acceptance	Criteria		
		SRNS approve	ed water intrusion feasibility study.
Number	Date	Fee	Contract Output Completion Criteria:
Number SRNS2014 EMO-3.04	Date 12/30/13	<b>Fee</b> \$100,000	
SRNS2014	12/30/13	L) ENDTAR	Submit DSA/TSR for F/H laboratory based on leal
SRNS2014 EMO-3.04 Acceptance	12/30/13  Criteria I review the	\$100,000	Submit DSA/TSR for F/H laboratory based on leal
SRNS2014 EMO-3.04 Acceptance DOE-SR wil	12/30/13  Criteria I review the	\$100,000	Submit DSA/TSR for F/H laboratory based on leak path factor evaluation.

DOE-SR will review the revised SRNS approved F-Canyon Complex S&M Plan.

(\$150,000) Complete installation and acceptance of the FDAS and provide a final report to DOE (Action 2c-3). (\$150,000) Complete planned cell infrastructure tasks and report completion (Action 1-3). (\$50,000)

## Acceptance Criteria

DOE-SR will review the SRNS approved and completed 235-F IP actions.

## **Contract Output SRNS2014EMO-04:**

Receive, unload, and store Used Nuclear Fuel (UNF) in L Area.

## Description/Background/Justification:

L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmenting Monitoring and Condition support to maintain the facilities in a safe and operable condition.

## Up to \$2,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.01	9/30/14	\$500,000; \$125,000 paid quarterly	Receive and unload FRR/DRR fuel per schedule.

### **Acceptance Criteria**

DOE-SR will review Cask Data Sheets for casks received and unloaded against the Receipt and Unloading Schedule Agreement. During quarters that fuel is not received, documentation will be provided for review showing readiness to receive was maintained.

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.02	9/30/14	\$500,000	Complete UNF Preps for HFIR readiness with the exception of the L-Area DSA, OSA-7 and the new cask insert (if required) which are dependent on funding and staffing.

## **Acceptance Criteria**

DOE-SR will review the HFIR planning preps were completed with the exception of the L-Area DSA, OSA-7 and new cask insert (if required).

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.03	6/30/14	\$500,000	Complete the removal of "cob webs" from the basin.

	l observe th		ming activities or observe the basin following the nove the "cob webs".
Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.04	9/30/14	\$500,000	Complete NRU/NRX interim schedule milestone.
Acceptance	Criteria		
DOE-SR wil	l validate th	nat the NRU/N	RX interim milestone was completed on schedule.



## Performance Incentive Document

PID Number:	SRNS2014SW	
Activity Name:	Solid Waste	
WBS Number:	1.29.32.25	
Performance Period: October 1, 2013 –		September 30, 2014
Allocated Fee:	\$1,800,000	
Revision Number: 0		
Senior level manager/Perf Manager:	formance Incentive	Terry Spears Assistant Manager for Waste Disposition Project (AMWDP)
Senior level supervisor/div	vision manager:	Jim Folk

### **Contract Performance Outcome:**

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall ensure that the handling, treatment, storage, transportation and disposal of the remaining "legacy" and the newly generated solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

The Contractor shall manage and integrate site-wide solid waste recycling, treatment, storage, disposal and transportation activities and implement waste minimization/pollution prevention initiatives. The Contractor shall also provide on-site/off-site waste generators with technical support and verification of compliance with waste acceptance criteria, including Safety Basis and Performance Assessment objectives.

## Contract Output: SRNS2014SW-01

There are two areas of primary focus taken from the Contract Performance Outcome: 1) ensure the transportation, handling, storage, and disposal of low level waste is environmentally sound, cost effective, and in compliance with DOE Directives, applicable regulations, and requirements; and 2) continued disposal of legacy TRU waste.

## Description/Background/Justification:

Timely disposal of LLW will facilitate waste generators' normal operations, prevent potential spread of contamination, ensure regulatory compliance, reduce the need for waste storage space, maximize labor resource utilization and reduce the overall cost of SRS waste management. DOE Order 435.1 drives the timely disposal of wastes generated at DOE sites. The ARRA program remediated and repackaged legacy TRU wastes into WIPP compliant packaging. This waste has been WIPP certified or was identified as LLW and is awaiting disposal. Disposal of the legacy TRU is also a high priority for the State of South Carolina.

Up to \$1,800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.01	9/30/14	\$800,000; \$200,000 per quarter	LLW will be disposed in a timely manner such that in-storage time will be < 3 months in duration.  Exceptions may be approved by DOE upon request.

## **Acceptance Criteria**

DOE will perform validation by reviewing, on a quarterly basis, the time in storage for the LLW not permanently disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.02	6/30/14	\$400,000	TRU – Complete disposal of all legacy TRU packaged in SLB2s via TRUPACT-III shipments. Assumptions for this incentive include: 4 shipments per week; 6 week WIPP shipping outage and various non-shipping holidays during the period of performance.

### Acceptance Criteria

DOE will perform validation by reviewing the remaining legacy TRU inventory and assuring that all of the SLB2s have been disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.03	9/30/14	\$500,000	Complete disposal of all legacy, contact handled, TRU waste at the WIPP Site. This includes all LLW and MLLW re-characterized from the TRU legacy program. This incentive assumes that DOE-CBFO will continue to fund characterization and shipping and provide adequate shipments. SRNS will work a 40 hour work week. Containers WMPSLB022C, WMPSLB018B, SR21524413, and SR21524414 are excluded.

### **Acceptance Criteria**

DOE will perform validation by reviewing Waste Inventory Tracking System (WITS) reports and documented legacy waste identified in the "Original Volume Tracking" Excel spreadsheet.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.04	9/30/14	\$100,000	A closure plan for TRU Pad 16 and modifications to the TRU Pad Volume of the Site RCRA Permit will be submitted to DOE-SR in support of submittal to SC-DHEC. The modifications will include reduction of prescriptive wording (e.g. requirement to be radiologically non-contaminated) and provide a sound technical rational for both the modifications and the closure plan.
Acceptance	Criteria		·

DOE will perform validation by accepting the closure plan and proposed permit modification.



# Performance Incentive Document

SRNS2014ACP		
Area Completion Project		
1.29.32.01, 1.29.32.02, 1.29.32.03, 1.29.32.04, 1.29.32.05, 1.29.32.06		
October 1, 2013 – September 30, 2014		
\$3,490,000		
nevara Manager for Infrastructure & mental Stewardship (AMI&ES)		
Adams		
t		

#### **Contract Performance Outcome:**

Meet all regulatory commitments, develop and implement alternative long range strategies, technologies and approaches in the refinement of the Area Completion Strategy and long-term stewardship.

#### **Contract Output SRNS2014ACP-01:**

Meet all FFA Milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments due between October 1, 2013, and September 30, 2014, as described in the Federal Facility Agreement for the Savannah River Site (Administrative Document # 89-05-FF) and the SRS RCRA Part A & B Permits (SC 1890 008 089) to meet the Area Completion Strategy.

# Description/Background/Justification:

Full compliance with all Area Completion Project FFA milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments will allow SRS to meet regulatory requirements that will meet the Area Completion Strategy to clean up the SRS and reduce the Site footprint. Establishing regulatory commitments and milestones is the most direct way for the regulators and stakeholders to measure the progress of DOE EM cleanup activities at SRS. The regulatory and stakeholder support of the SRS depends on continued full regulatory compliance and achievement of commitments and milestones.

Up to \$2,500,000 of the allocated fee will be paid for this Contract	Output.
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Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.01			milestones are achieved from October 1, 2013,
			through March 31, 2014.

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.02			milestones are achieved from April 1, 2014,
			through September 30, 2014.

#### **Acceptance Criteria**

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

#### Contract Output: SRNS2014ACP-02:

Evaluate additional EC & ACP groundwater sampling and reporting activities to identify opportunities to reduce costs within PBS-30 and ESS.

#### **Description/Background/Justification:**

In FY 2012, DOE-SR incentivized the development of a comprehensive Groundwater Monitoring and Reporting Optimization Plan and Report (SRNS2012ACP-02) that identified opportunities for optimization of monitoring networks and reductions in the long-term costs of groundwater monitoring at units where mature and established groundwater programs were underway. In 2013, DOE incentivized SRNS to negotiate and implement optimization activities consistent with the plan (SRNS2013 ES-12.01 and 12.02).

This Phase II proposal is to develop a similar Groundwater Monitoring and Report Optimization Plan that will focus on the remaining groundwater units that were not included in Phase 1 because they did not have a mature established monitoring program under RCRA/CERCLA or because they are associated with regulatory programs other than RCRA and CERCLA, such as Underground Storage Tanks, Landfills and the Clean Water Act.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.01	2/28/14	\$250,000	Prepare and provide to DOE ACP a Groundwater Optimization Plan by 2/28/14.

SRNS –EC & ACP will provide a Phase II Groundwater Monitoring and Reporting Optimization Plan that will provide for identification and documentation of opportunities for groundwater optimization of monitoring networks/reporting and reductions in the long-term costs of groundwater monitoring for groundwater units, that was not included in the Phase I Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Prepare and provide to DOE ACP a report
ACP-2.02			documenting the groundwater monitoring and
			reporting optimization opportunities.

#### **Acceptance Criteria**

SRNS will provide a report outlining the results of the groundwater monitoring evaluation to DOE and DOE will approve. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

# Contract Output SRNS2014ACP-03 (Deferred from FY 13):

Automate environmental field and analytical data to automatically generate routine reports and improve reporting capability. Program and deploy electronic field devices to replace the use of paper logbooks to improve quality of field data collection. Program data collection system to automatically generate routine reports to improve speed and overall accuracy of data reporting.

#### Description/Background/Justification:

DOE SR is obligated to collect, manage, maintain and report environmental data to meet requirements of DOE Orders and environmental regulations and statutes, including DOE Order 458.1, Radiation Protection of the Public and Environment and RCRA, CAA, CWA, and CERCLA.

The Environmental Restoration Data Management System (ERDMS) is used to manage environmental monitoring data. This system requires extensive manual data review and tracking of data generating reports of varying quality. Also, field monitoring results are collected in paper logbooks and collection accuracy is highly dependent on minimizing human error. Routine reports are generated with a high level of human involvement.

# Up to \$390,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$150,000	Program and deploy handheld devices to transfer
ACP-3.01			monitoring data directly into ERDMS.

#### **Acceptance Criteria**

EC & ACP will demonstrate and will document the use and effectiveness of electronic handheld devices to collect field information and data transfer into ERDMS vs. the use of paper field logbooks for effluent monitoring and environmental surveillance programs.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$240,000	Modify ERDMS to automatically generate routine
ACP-3.02			monitoring reports.

#### Acceptance Criteria

EC & ACP will demonstrate and document the development and implementation of program to generate automated environmental reports, such as the Monthly Discharge Monitoring Reports, the Monthly Radiological Releases Reports, the Wildlife Hunt Reports, and the Weekly and the Quarterly Tritium Reports by reviewing the reports for completeness, accuracy and compliance with reporting deadlines.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

#### **Contract Output SRNS2014ACP-04:**

Complete characterization of Building 690-N to support future Deactivation and Decommissioning.

# Description/Background/Justification:

Building 690-N (Ford Building) is a high risk facility with significant radiological and PCB contamination. The facility is deteriorating and requires frequent maintenance to mitigate the spread of existing contamination. A Decommissioning Plan was completed and submitted to DOE in FY 13 (Contract Output SRNS2013ES-16.01) that included recommendations for characterization to quantify the nature and extent of contamination and condition to support future D&D of the facility.

The Ford Building is a steel frame/siding structure constructed in the early 1950s to test motor control packages for the R, P, L, K and C Reactors. In the 1960s, the structure was modified to support the repair and rework of Reactor heat exchangers. Key facilities and/or structures associated with 690-N include:

- 652-44N electrical substation and fuel oil containment dike (provided electricity and fuel oil for heating to the building),
- Deionizer trailer (used to remove radiological contaminates from Reactor disassembly basin water), and
- Transport trailer (utilized to haul heavy loads between Reactor areas and stored adjacent to the 690-N Building).

PCB-contaminated oils were used in milling/lathe operations for heat exchanger repair in 690-N (Ford Building). In 1997, these PCB-contaminated oils were found to have contaminated equipment and the floor in the building. An initial clean-up was performed and the residual contamination was encapsulated with a floor coating in 1998. Inspections conducted since 1998 continue to reveal areas where PCB-contaminated oil has migrated up through the floor coating, necessitating regular maintenance and reapplication of the coating material. The extent of PCB contamination below the 690-N Building is undetermined. The Deionizer trailer is not thoroughly characterized, but is assumed to contain lead and high levels of radiological contamination based on the conditions of trailers used for similar purposes at the SRS.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	8/31/2014	\$100,000	Complete characterization of the 690-N Ford
ACP-4.01			Building and its ancillary equipment and facilities
			(652-44N, Deionizer and Transport Trailers).

#### Acceptance Criteria

EC & ACP will complete and document characterization completion of Building 690-N and its ancillary equipment and facilities. The result are needed to support future deactivation and decommissioning and removal/remedial action(s)

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.



# Performance Incentive Document

PID Number:	SRNS2014SRNL		
Activity Name:	Savannah River National Laboratory (SRNL)		
WBS Number:	Numerous		
Performance Period:	October 1, 2013 – September 30, 2014		
Allocated Fee:	\$4,750,000		
Revision Number:	0-1		
Senior level manager/Perfo Manager:	ormance Incentive	Karen Hooker Director, Office of Laboratory Oversight Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)	
Senior technical advisor:		Patrick Jackson Jay Ray	

# **Contract Performance Outcome:**

SRNL's three-fold mission is to enable the success of SRS and the Office of Environmental Management (EM) operations and projects, to provide technical leadership for future site missions, and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government. The vision for SRNL is to be the nations' premier laboratory in Environmental Management, National & Homeland Security, and Energy Security (Source: SRNS Contract).

# Contract Output: SRNS2014SRNL-01 (Pat McGuire)

Deliver Disposition Paths for Nuclear Material.

# Description/Background/Justification:

SRS's unique facilities and capabilities enable it to support consolidation and processing of nuclear materials from other DOE facilities as well as other U.S. and foreign sources. This is important for reducing nuclear and proliferation threats, avoiding the additional costs of protecting materials at multiple sites and enabling closure of other facilities that are no longer needed.

The Site will continue to safely and securely store nuclear materials (plutonium, enriched uranium, used nuclear fuel, and other nuclear materials) pending disposition to meet commitments to the State of South Carolina.

#### Plutonium

SRS has been placed in a lead role by DOE to dispose of plutonium from the cleanup of weapons facilities throughout the DOE Complex.

Plutonium from the cleanup of weapons facilities (non-pit plutonium) has been primarily consolidated at SRS where, depending on future decisions, it is planned to be disposed of by a variety of alternative means including;

- Packaging (including blending as needed) and shipping to the Waste Isolation Pilot Plant (WIPP) in New Mexico
- Converting to reusable nuclear fuel by dissolving Pu in H Canyon, converting to Pu Oxide in HB-Line for future processing at MOX

#### **Highly Enriched Uranium**

SRS has the capability to support the DOE complex-wide effort to down blend excess HEU to a more useable and less proliferable low enriched uranium (LEU) enrichment. The LEU is provided to a commercial fuel vendor. The vendor uses the LEU to manufacture commercial nuclear fuel for use in commercial reactors for the generation of electricity. Additional LEU commitments from the processing of Used Nuclear Fuel (UNF) will be made to TVA. Receipt of Canadian Liquid Uranium is another source to meet LEU deliveries.

#### **Used (Spent) Nuclear Fuel**

SRS supports the nation's nonproliferation goals by receiving U.S. owned/loaned HEU fuel from foreign countries. The UNF is safely being stored in L Basin pending disposition.

SRNL provides technical support and consultation for this mission.

# Up to \$650,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-1.01	9/30/14	\$225,000	Provide technical support to Nuclear Materials for the Plutonium Surveillance Program including 3013 Destructive Examination (DE) program, and continuation of plutonium shelf life corrosion studies and 9975 life extension testing.
			<ul><li>a. Complete FY14 data set 2 analyses for # DE packages.</li><li>b. Complete unloading of Series 3 of shelf life</li></ul>

	c.	studies. Complete FY14 annual report on 9975 Life Extension o-ring test fixtures.
Acceptance Criteria		

DOE-SR will perform validation of the following:

- a. Loading and initial data sheets for Series 3 of shelf life studies.
- b. FY14 data set 2 analyses for 3013 Program.
- c. FY14 annual report on 9975 Life Extension o-ring test fixtures.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-1.02	9/30/14	\$75,000	Provide technical support to Nuclear Materials for the Spent Fuel Program.
SIGNE-1.02			a. Complete extracted basin core testing and prepare and issue degradation evaluation report.
			b. Complete revision of corrosion surveillance program plan to include increase in coupon withdraw and analysis schedule; new rack material; and automated characterization and optimized corrosion analysis.
			c. Complete report for detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.  Report to include corrosion, thermodynamic and kinetic analysis for fuel clad systems to provide estimate of fuel and internal water activity conditions.
			d. Complete analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel (sectioned SS, zircaloy stored in OS canisters) including evaluating particulates and hydrogen generation from radiolysis and corrosion.

#### **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Degradation evaluation report.
- b. Revision of corrosion surveillance program plan.
- c. Report on detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.
- d. Analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$350,000	Develop and demonstrate flowsheets and
SRNL-1.03			equipment for application in H-canyon/HB-Line.
			Potential scope could include:

a. Fabrication and deployment of crawler to inspect ventilation system.
b. Flowsheet development for next set of material to be processed.
c. Program to reduce the amount of waste sent to the Tank Farms.
d. Provide requested support to H-Canyon for processing used Nuclear Fuel (UNF) such as Hydrogen Generation Studies.

#### **Acceptance Criteria**

DOE-SR will perform validation of the agreed upon items for FY14.

#### Contract Output SRNS2014SRNL-02 (Karen Hooker):

Deliver products and services that reduce technical risk and enhance the schedule of liquid high level waste dispositioning. SRNL will enable DOE-EM mission success by providing the increased scientific and technological rigor needed to support EM program and project planning, technology development and deployment, project execution, and assessment of program outcomes.

# Description/Background/Justification:

EM's goal is to reliably complete radioactive liquid waste treatment, safely manage the treated waste and meet DOE commitments to close the liquid waste tanks, while incorporating new technology and to enhance efficiency. In so doing, EM is closing the circle on the legacy of radioactive liquid waste.

At SRS, the insoluble sludge solids from tank waste are vitrified at the Defense Waste Processing Facility (DWPF) and converted into a solid glass form. The salt waste is processed to remove of the radioactivity with the decontaminated salt solution being disposed onsite in grout at the Saltstone facility. The Tank Closure Program at SRS has made significant progress. Tank Closure Program activities are on schedule to meet or exceed all Federal Facility Agreement commitments.

At Hanford, construction is well underway on the Pretreatment and Vitrification facilities. SRNL experience at SRS can be utilized to support flowsheet and other technology development activities.

In addition to the contractor support efforts described above EM has commissioned the SRNL to coordinate the engagement of the national laboratory community to bring the scientific and technological rigor needed to evaluate/prioritize alternatives, define/execute technology development as appropriate, and provide the DOE with an "owners representative" to inform decisions and reduce technical and programmatic risks in conjunction with PNNL. Under this direction, and consistent with their role as Federally

Funded Research and Development Centers (FFRDC), the SRNL/PNNL team will work closely with DOE site offices, contractors and other national laboratories to establish a framework for sustainable laboratory engagement and collaboration.

In addition to the strategic role for EM, SRNL will execute technology development tasks for EM-20 that support the EM Complex.

Up to \$1,245,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$700,000	Execute scope to provide technical bases,
SRNL-2.01			characterization results, consultation in support of
			SRS Tank Waste Projects. These efforts are likely
	ļ	1	to include support for the following:
			a. DWPF/Saltstone waste form, flowsheet,
			sludge batch qualification. Qualify next
			sludge batch including developing
			processing options and frit formulation -
			dependent on SRR schedule for canister
			production.
			b. Tank Farm sample characterization,
			corrosion program. Perform sample
			characterization (dependent on sample
			needs) and support corrosion control
			program.
			c. Tank Closure sample characterization.
			Characterize any closure samples received
			to determine residual material left in tanks.
			d. Salt Processing. Qualify needed salt
			batches and support deployment of next
			generation solvent.
			e. Tank Closure/Saltstone Waste Disposition.
			Support SRR PA work through modeling
			and experimental scope - dependent on
			facility needs.

# **Acceptance Criteria**

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.02	9/30/14	\$470,000	To maintain and enhance SRNL as a pre-eminent center for research, development, and deployment of technologies to cleanup the environmental legacy of the Nation's nuclear programs, SRNL will lead and execute scope for Hanford by providing technical bases and consultation. Scope

to	include:
a.	Continue work on "strategie" tasks for ORP
a.	initiated in FY13 - including options for dealing
	with Te, waste qualification strategies, process
	scenario evaluations, and glass formulation
	approaches. This effort could move into
	leading and executing Grand Challenges in
	support of the high level waste processing
	system at Hanford. Develop program execution
	plans for Grand Challenge efforts in support of
	high level waste processing at the Hanford site.
	Complete first phase of experimentation as part
	of these programs. Participate on the Hanford
	Tank Waste Disposition Integrated Flowsheet
	development team. Perform flowsheet
	evaluations and provide definition of key
	interfaces and waste acceptance criteria.
b.	
	including WRPS and WTP. Potential scope
	areas include continuing work on Caststone, Te
	removal options, development of waste
	qualification equipment and approaches.
	<ul> <li>Complete full scale mixer testing in</li> </ul>
	support of Caststone work
	- Complete experimentation on Tc
	removal options selected during
	downselection
	<ul> <li>Develop conceptual design and fabricate</li> </ul>
	test equipment in support of the waste
	qualification effort
c.	Continue leadership of the National Laboratory
	Technical Authority Team in support of the
	WTP Full Scale Vessel Qualification Testing
	Program.
	- Define and qualify the instrumentation
	to be used during the full scale
	demonstration effort. Develop the
	simulant to be used during this
	instrument qualification and the first
	phase of testing
Acceptance Criteria	
DOE-SR will perform validation of the prog	grams discussed above.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$75,000	Provide technology development for EM-20. This

SRNL-2.03	is important to establishing SRNL as the EM
	National Laboratory. These efforts eould include:
	a. Develop and issue the next generation
	performance models and complete oxidation
	front experimentation studies in support of the
	Cementitious Barriers Partnership.
	b. Issue technical report/journal article on the next
	phase of Llong term glass corrosion modeling
	work studies.
	c. Potential work in separations areas.

DOE-SR will perform validation of the programs supported.

# Contract Output SRNS2014SRNL-03 (Karen Hooker):

Develop and deploy Next Generation Cleanup Technologies.

# Description/Background/Justification:

The environmental cleanup of SRS will continue to receive emphasis for the foreseeable future as we reverse the environmental impact from legacy operations performed on the Site. With each success, the Site becomes safer for future generations and less costly to maintain. These cleanup operations are not trivial nor are they straightforward.

SRS has had to develop new and innovative applied technologies in order to accomplish much of the cleanup. This will continue to be the case as the cleanup challenges get more and more difficult. SRS plans to make these new technologies available across the country and internationally to assist others in their own cleanup efforts. SRS technological expertise and knowledge in cleanup has been highlighted to assist Japan in the remediation efforts at the Fukushima-Daiichi Nuclear Power Station.

SRNL efforts are likely to include programs in Environmental Compliance & Area Completion Projects (EC&ACP), Solid Waste Management (SWM), Technology Development for EM-10, and programs to support Japan's remediation of the Fukushima site.

# Up to \$470,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.01	9/30/14	\$50,000	Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental

	technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP. that may include the following.
ř	a. Provide technical support and report development to Environmental Compliance & Area Completion Projects (EC&ACP) in meeting regulatory milestones and deliverables (e.g., finalize 5 year ROD review deliverable, complete an H-tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan, complete an F-Tank Farm Groundwater Sampling and Analysis Plan, develop a Five-Year Remedy Review).
	b. Continue development and transition to passive environmental technologies and approaches for EC&ACP waste site remediation (e.g., T-Area).
	c. Continue support for operating systems and final closure of groundwater and vadose units (e.g., field sampling and analytical support for EC&ACP technology demonstrations and performance analysis for SVE operating treatment systems).

# Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.02	9/30/14	\$160,000	Provide technical support for SRNS Solid Waste Management. SRNL plans to:
			<ul> <li>a. Develop and submit to DOE the FY 2014 Performance Assessment Maintenance Plan.</li> <li>b. Develop and submit to DOE the FY 2014 Composite Analysis Maintenance Plan.</li> <li>c. Develop and submit to DOE the FY 2013 PA</li> </ul>

d.	Annual Review report.  Develop and submit to DOE the FY 2013 CA
e.	Annual Review report.  Develop and submit to SWM the UDQE to
f.	assess new modeling information. Complete and issue TBD reports.

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.03	9/30/14	\$100,000	Provide technical development for EM-10 on Environmental Compliance (EM-11), Soil & Groundwater Remediation (EM-12), D&D and
			<ul> <li>Facility Engineering (EM-13).</li> <li>a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.</li> <li>b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.</li> <li>c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD developments.</li> </ul>

# Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	SRNL is the EM's Corporate National Laboratory
SRNL-3.04			across the EM complex and will seek to diversify
			its customer base and funding sources for SRNL to
			increase efficiencies for the benefit of all of its
			customers. SRNL will provide technical support
			and expertise, and global leadership in support of
			Fukushima cleanup and remediation efforts that
			may include the following:
			a. Lead development and negotiations of new
	•		business contract(s) with Tokyo Electric Power
			Company (TEPCO) in Japan.
			b. Execute PNNL partnership to support technical scope of contract with TEPCO.
		ľ	c. Work with governmental agencies (Department
			of Energy, Department of State, etc.) to identify
			and establish SRNL leadership in U.S.

			d.	government efforts supporting Fukushima remediation by the Ministries in the Government of Japan (MOE, METI, MEXT, etc.).  Deliver emergent support to Fukushima cleanup based on EM laboratory leadership, capabilities and expertise.
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DOE-SR will perform validation of the following:

- a. Negotiated contract(s) with TEPCO.
- b. PNNL partnership performance.
- c. SRNL participation or leadership in governmental agency support to Fukushima remediation.
- d. Validate laboratory support to emergent Fukushima cleanup issues. Validation will include pass/fail consideration for the above listed components.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.05	9/30/14	\$60,000	Relocate the Packaging Certification Program (PCP) Docket files from Germantown, Maryland to Savannah River National Laboratory. Transition the EM-33 PCP Docket Manager from Eagle Research to SRNL.

#### Acceptance Criteria

DOE-SR will perform validation of the programs supported.

#### Contract Output SRNS2014SRNL-04 (Karen Hooker):

Develop Solutions to Close and Better Secure the Nuclear Fuel Cycle.

#### Description/Background/Justification:

SRNL helps develop the nations' used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. This is facilitated by SRNL leadership in Clean Energy initiatives aligned with the DOE Sustainability Plan goals.

# Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	As part of the SRNS Contract, SRNL will provide
SRNL-4.01			technical leadership for future site missions, and
			utilize its technical expertise to provide vital
			national and regional support in achieving the

	broader goals of DOE and the federal government, and maintain and enhance the core competencies that are necessary to support assigned and future missions of EM and NNSA programs at SRS. As part of this mission, SRNL will develop and lead the nations used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. Perform DOE-NE FCR&D program funded work activities as specified in the Program Information Collection System NE (PICSNE) defined in terms of cost, schedule and technical performance. Complete all required Level 2 and Level 3 milestones (number TBD) for the Used Fuel Disposition Campaign, Separations and Waste Forms Campaign, and Fuel Cycle Options
	Campaign.
<del></del>	Cumpuign.

#### Acceptance Criteria

DOE-SR will perform validation of the following: completed reports, presentations, and publications identified in the funded DOE-NE FCR&D scope.

# Contract Output SRNS2014SRNL-05 (Karen Hooker):

Reduce greenhouse gas emission via Clean Alternative Energy Project.

# Description/Background/Justification:

SRNL facilitates complex-wide accomplishment of the DOE Sustainability Plan goals through innovative leadership in Clean Energy activities in support of DOE renewable energy strategic initiatives.

SRNL continues to be heavily involved in a number of initiatives that will reduce greenhouse gases in accordance with Executive Order 13514. SRNL's Hydrogen Storage Engineering Center of Excellence will continue to advance the concept of clean fuels based on the hydrogen technology that SRS has developed over years of tritium research and production. SRNL has a number of other projects to reduce greenhouse gas emission, including solar and methane, which is a key SRS strategic initiative and goal for EM sites.

# Up to \$325,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$325,000	The vision for SRNL is to be the nation's premier
SRNL-5.01			applied science laboratory in Environmental
			Management, National and Homeland Security, and
			Energy Security. As part of the efforts in Energy

# Security the following Clean Energy Projects will be completed:

- a. Hydrogen Storage Engineering Center of Excellence-Technical Work Scope: Complete design and begin assembly of a two liter prototype cryo-adsorbent hydrogen storage prototype.
- b. Basic Science: Have accepted for publication in the area of energy storage and conversion three technical articles in peer reviewed journals with impact factors = >3.
- c. Methane opportunities for Vehicular Energy Complete a test station for evaluation of a two
  liter prototype methane adsorption system
  meeting the DoE technical targets.
- d. SunShot "Low-Cost Metal Hydride Thermal Energy Storage System for Concentrating Solar Power Systems" - Complete FY14 milestone: Complete system model and evaluate at least one metal hydride material pair capable of meeting DOE SunShot thermal energy storage targets as defined in Statement of Project Objectives.
- e. SunShot High Temperature Corrosion Analysis of Molten Salt Systems for CSP Applications. Commission high temperature thermal gradient and fluid flow corrosion apparatus system for molten salt systems as outlined in Statement of Project Objectives (SOPO).

#### Acceptance Criteria

DOE-SR will perform validation of the following:

- a. EERE program management acknowledgement of requirements delivered as specified.
- b. Copies of acceptance letters and 2013 journal impact factors.
- c. Completed test station and approved HAP.
- d. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.
- e. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.

# Contract Output SRNS2014SRNL-06 (Karen Hooker):

Expand the SRNL presence in National Security.

# Description/Background/Justification:

SRNL support for DOE-IN Nuclear Materials Information Program.

SRNL utilizes its technical expertise to provide services and products for the DOE-IN. The DOE-IN Nuclear Materials Information Program (NMIP) develops and maintains a comprehensive information system on foreign special nuclear materials (SNM) capable of being utilized in nuclear weapons. This system is maintained on classified networks and is updated with current intelligence annually.

SRNL technical support for DOE-IN Foreign Nuclear Program.

SRNL utilizes its technical expertise to provide services and products for DOE-IN's Foreign Nuclear Program. SRNL provides technical analysis and programmatic support to DOE-IN and to other agencies within the United States Intelligence Community (USIC). National Laboratories and their Field Intelligence Elements (FIE's) provide DOE's technical input to all issues of weapons production and utilization by foreign nuclear programs. SRNL's FIE provides important technical leadership, analysis and input on current issues, foreign facilities and weapons materials production.

The SRNL counterintelligence program primarily consists of an expansive awareness function, a counterintelligence investigative capability, an analysis element and a multi-focused cyber component. The Senior Counterintelligence Official (SCIO) leads the integrated counterintelligence effort against foreign intelligence, terrorism threats directed at SRNL, and also has direct managerial oversight for the overall performance of the office, personnel and financial management of the CI program.

Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-6.01	9/30/14	\$200,000	The vision for SRNL is to be the nation's premier applied science laboratory in Environmental Management, National Security, and Energy Security. As part of the work on National Security, SRNL will provide technical support for DOE-IN as follows:  a. Deliver to US Policy Makers technical reports and assessments of foreign nuclear weapons programs that have been reviewed and published by DOE-IN.
			b. Update 100% of the Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible.

	c. Promote Counter Intelligence (CI) site-wide by conducting awareness briefings and training for all on-site contractors.
Acceptance Criteria	

DOE-SR will perform validation of the following:

- a. Technical reports and assessments of foreign nuclear weapons programs have been reviewed and published by DOE-IN.
- b. 100% of Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible are updated.
- c. CI awareness briefings and training are completed for all on-site contractors.

# Contract Output SRNS2014SRNL-07 (Karen Hooker):

SRNL Infrastructure Sustainment.

# Description/Background/Justification:

SRNL offers a unique combination of capabilities, equipment, and infrastructure that are not available anywhere else in the United States. Although SRNL was originally built as a part of the nuclear weapon complex to maintain the U.S. nuclear deterrent, the facilities obtained and constructed for that purpose represent a significant asset to the site, region, and country and it is poised to solve National issues. The SRS vision targets SRNL to be the central hub as SRS expands its business segments to address DOE needs that capitalize on historic SRS competencies and capabilities. SRNL will actively seek ways to revitalize and present these assets for more wide-spread beneficial use.

Up to \$1,485,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
	9/30/14	\$300,000	SRNL will implement High Priority Safety Basis scope and nuclear infrastructure improvements as defined in the approved FY14 SVS Implementation Plan as developed between DOE-SR OLO and SRNL. This Implementation Plan will be updated as needed and on an annual basis to:  a. Meet selected project milestones for identified High Priority DNFSB Scopes.  b. Complete Safety Basis scope improvements.

#### **Acceptance Criteria**

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-7.02	9/30/14	\$390,000	As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE-SR OLO and SRNL, complete A Block window replacements with no adverse impact to EM Liquid Waste mission work.

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$695,000	As defined in the approved FY14 SVS
SRNL-7.03			Implementation Plan jointly developed by DOE-SR
			OLO and SRNL, reduce deferred maintenance
			backlog by effective management of Construction
			Maintenance orders (CMO) and Major Maintenance
			scopes and effective execution of IGPP projects.
			Complete candidate IGPP capital projects that
		support restoration and sustainment of facility	
		infrastructure as defined in the approved FY14 SVS	
			Implementation Plan. Complete Construction
			Maintenance Orders and major maintenance scopes
			as defined in the approved FY14 SVS
			Implementation Plan.

# Acceptance Criteria:

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014	9/30/14	\$100,000	As defined in the approved FY14 SVS
SRNL-7.04			Implementation Plan jointly developed by DOE-SR
			OLO and SRNL, effectively manage the
		implementation of the SRNL Infrastructure Plan to	
			minimize operational cost. Implement the SRNL
			Infrastructure Plan to reduce operational cost by
		facility and scientific instrument renewal as well as	
			an improved Asset Condition Index as defined in
			the approved FY14 SVS Implementation Plan.

# Acceptance Criteria

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

## Contract Output SRNS2014SRNL-8 (Karen Hooker):

Conduct effective laboratory management.

# Description/Background/Justification:

Utilizing a comprehensive and integrated approach, SRNS will document and continue implementation of a path forward to: improve the overall institutional management of SRNL; establish a comprehensive vision for the future; and effectively apply innovative solutions to meet DOE mission needs.

# Up to \$75,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-8.01	9/30/14	\$75,000, paid upon completion of items a-b	<ul> <li>a. Provide a framework that allows for documentation of laboratory management for 1) Effective use of partnerships (internal, academic, community, government agencies, etc.), 2) Maintenance of core competencies and retention of employees, 3) Improvement in internal business processes and goals, 4) Business unit strategies, and 5) Effective use of recommendations from external reviews.</li> <li>b. Proceed with implementation of the University Relations Program Plan developed in FY13.</li> </ul>

# **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Documentation of the improved institutional management of SRNL.
- b. Implementation Status Report for the FY13 University Relations Plan.



# Performance Incentive Document

PID Number:	SRNS2014LS			
Activity Name: EM Landlord Se		ervices		
WBS Number:	Various / Indirec	Various / Indirect		
Performance Period: October 1, 2013		- September 30, 2014		
Allocated Fee:	\$1,410,000 \$1,5	510,000		
Revision Number:	0 1			
Senior level managers:		Angelia Adams, Acting AM Infrastructure & Environmental Stewardship (AMI&ES) Doug Hintze, AM Mission Support (AMMS)		
Senior level supervisor/division manager:		David Bender Nick Delaplane		

#### **Contract Performance Outcome:**

The Contractor shall execute assigned landlord responsibilities and provide a range of services to other organizations doing work on the Savannah River Site. This section includes Site Services and Business Services.

#### Contract Output SRNS2014LS-01:

The Contractor shall meet all SRNS agreed upon scheduled milestones to plan & execute development of SRS Sustainability initiatives and High Performance Sustainable Buildings (HPSB) program objectives to meet scheduled site sustainability goals.

#### Description/Background/Justification:

DOE has approved a Complex-wide Strategic Sustainability Performance Plan. This plan addresses such topics as greenhouse gas emission reductions, High Performance Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to make progress toward goals established for 2015 and 2020. The benchmark for the HPSB 15% reduction is defined in Executive Order (E.O.) 13514 section 2(g).

# Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
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SRNS2014 LS-1.01	12/31/13	\$100,000 — fee is earned by meeting all milestones.	a.	Develop the FY14 Site Sustainability Plan for the Savannah River Site in accordance with the DOE-HQ annual guidance document by 12/31/13.
	1/31/14		b.	Prepare the SRS Consolidated Energy Data Report (CEDR) in accordance with annual DOE-HQ guidance documentation by 1/31/14.
	9/30/14		c.	Continue development of High Performance Sustainable Buildings (HPSB) Program objectives by completing the following activities:
				<ul> <li>Conduct lighting-specific walkdowns of facilities, to determine how to comply with the automated lighting controls objective associated required by the HPSB Guiding Principles and develop layouts summarizing how compliance will be achieved.         Determine FY15 funding requirement to complete objective.     </li> <li>Complete metering objective by installation of meter and establishing monthly meter readings for all facilities in HPSB scope.</li> <li>Update EPA Portfolio Manager database as needed to show status of HPSB objectives for all buildings</li> </ul>

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agency-wide Strategic Sustainability Performance Plan.
- b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE-HQ for use in DOE agency-wide data collection.
- c. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.

#### **Contract Output SRNS2014LS-02:**

The Contractor shall develop and implement cost efficient approaches to reduce government

liability.

# Description/Background/Justification:

Initiatives are needed to address site energy costs and infrastructure support of current and future missions. Site Services will also evaluate organizational practices to identify efficiency gains and cost improvements and achieve government liability reduction where appropriate.

# Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-2.01	5/31/14	\$150,000	Partnering with DOE in the negotiation of a new five-year contract with South Carolina Electric & Gas Company, including the following:  • Participate with DOE in the contract development process and negotiation of terms and costs.  • Provide financial analysis through evaluation of life cycle cost options for the contract.

# **Acceptance Critieria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Review SRNS Contract-involvement summary report
- Evaluate the effectiveness of SRNS involvement and recommendations concerning the development of the new contract and rate structure.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$150,000	Develop an Infrastructure Alignment Plan/Study
LS-2.02			that outlines infrastructure right sizing
			recommendations, including footprint reduction
	1		that will coincide with current and future
	1		missions, SRNS baseline operations and funding
			profile (e.g. facilities, roads, infrastructure
Į			systems, etc.) Implement infrastructure right-
			sizing recommendations as approved by DOE and
			as funding is available.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Perform walkdown of the targeted systems/processes for the scope.
- Evaluate effectiveness of recommendations.
- Validate evidence of implementation.

# Contract Output SRNS2014LS-03:

The Contractor shall meet all SRNS agreed upon scheduled milestones to actively seek cost effective opportunities to reduce government liability and benefit the community through the DOE Asset Revitalization Initiatives and Programs.

#### Description/Background/Justification:

The identification, leveraging, revitalization, and disposition of site assets reduce EM liability, minimize lifecycle cost, and achieve Footprint reduction. Wherever it is cost effective, utilize the SRS Community Reuse Organization to provide additional opportunities to benefit the surrounding community. Site Services will continue to evaluate consolidation of facilities, services and functions for cost improvements.

# Up to \$110,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-3.01	9/30/14	\$110,000	Provide liaison support for a successful transition of the privatization of Outsource the SRNS ESS Facilities Maintenance and ensure success by providing business and technical leadership.

# Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate documentation defining transition process.
- Review and evaluate effectiveness of the transition support.

# Contract Output SRNS2014LS-04:

The Contractor shall meet all SRNS agreed upon scheduled milestones to cost effectively maintain SRS plant systems, components, structures, and also improve maintenance processes to meet site missions and positively address deferred maintenance issues.

# Description/Background/Justification:

Procedure Manual 1Y, *Conduct of Maintenance*, is established for effective management of plant systems, structures and components at the Savannah River Site. These standards comply with the requirements of the Department of Energy (DOE) Order 433.1B, Maintenance Management Program for DOE Nuclear Facilities. The requirements ensure a safe and cost effective maintenance program at SRS.

# Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number Date Fee Contract Output Completion Criteria:	Number	Date	Fee	Contract Output Completion Criteria:
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SRNS2014 LS-4.01	9/30/14	\$100,000	Continue the implementation of the Maintenance Paperless Work Package. Achieve 10% more EM paperless work packages completed in FY14 compared to the average of last four months in FY13 as baseline.
			compared to the average of last four months in

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Randomly sample electronic work packages.
- Evaluate trending results for EM facilities.
- Evaluate Time & Cost savings documentation.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014 LS-4.02	9/30/14	\$100,000	Continue the implementation of the Preventive Maintenance (PM) optimization process.
			<ul> <li>Evaluate and incorporate Predictive Maintenance (PdM) in the process.</li> </ul>
			<ul> <li>Demonstrate savings in overall efficiency gain.</li> </ul>

# Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Verify the PM baseline.
- Evaluate effectiveness of the optimization process.

# Contract Output SRNS2014LS-05:

The Contractor shall sustain and/or modernize site facilities/infrastructure, provide quality Shops services to achieve mission goals/milestones and ensure a safe and secure workplace for all SRS personnel.

#### Description/Background/Justification:

The SRS infrastructure is approaching 60 years old. Over the past 10 years, funding for infrastructure repairs/replacement declined considerably due to budget challenges. The Critical Infrastructure Integrated Priority List (CIIPL) was implemented to identify the most critical projects for SRS. The Contractor will execute funded projects and provide quality Shops services to ensure a safe and secure workplace for all SRS personnel.

# Up to \$300,000 \$400,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	Execute Infrastructure modernization/improvement

LS-5.01	Utility system projects, sustaining activities and liability reduction work scope (e.g. water systems,
	electrical distribution system, etc.).

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate Summary Report and perform field walkdown of completed activities consistent with infrastructure IPL.
- Review Final Acceptance Inspection (FAI) documents or Work Packages of completed work scope.
- Before and after photographs of completed modernization work scope as feasible.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014 LS-5.02	9/30/14	\$100,000	<ul> <li>Evaluate the Critical Infrastructure Integrated Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.</li> <li>Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.</li> </ul>

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate CIIPL documentation.
- Review the updated CIIPL quarterly or as-needed.
- Evaluate data improvements.
- Evaluate CIIPL effectiveness report.

#### **Contract Output SRNS2014LS-06:**

#### **Real Property Asset Management**

The Contractor shall meet all SRNS agreed upon scheduled milestones by leveraging the Real Property Asset Management Program and Facility Information Management System (FIMS) data to effectively manage SRS infrastructure needs.

#### Description/Background/Justification:

SRNS will ensure compliance of DOE Order 430.1B Real Property Asset Management Program and implement DOE-HQ requirements for asset replacement value. The Facility Condition Assessment Survey (CAS) Inspections will continue in FY14. In addition, improvements to the accuracy of the SRS Actual Maintenance Cost Reporting Data will continue to be implemented for the HQ FIMS.

Up to \$200,0	000 of the	allocated fee w	ill be paid for this Contract Output.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-6.01	9/30/14	\$200,000.00	a. Evaluate and begin implementation of the Corrective Action Plan to more accurately capture SRS Actual Maintenance Cost Reporting. Subsequently, provide data input to support Site Planning integration.
			<ul> <li>b. Demonstrate cost reduction and/or cost avoidance by:</li> <li>Integrating impacts of ARRA project completion, site housing consolidation planning, workforce restructuring, site mission changes and lessons learned from Condition Assessment Survey (CAS) inspections into the RPAM SmartPlan (SRNS-RP-2011-00202).</li> <li>Revise RPAM SmartPlan requirements to more cost effectively implement DOE Order 430.1B.</li> <li>Evaluating Facility assessments conducted by other organizations (Engineering, maintenance, Operations, etc.) for CAS applicability.</li> </ul>
		c. Leverage Real Property Asset Management Program (RPAM) for the Site, develop a tailored approach for the Replacement Value (RPV) of agreed upon unique/critical facilities and initiate implementation.	
			d. Evaluate Facility Information Management System (FIMS) database and make recommendations for data improvements. Also, update and maintain information of over 2,000 FIMS real property records to ensure the data is accurate and reliable.
			e. Continue to perform CAS inspections to ensure SRS meets the facility condition assessment 5 year cycle.
Acceptance	Criteria		

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Review the Actual Maintenance Corrective Action Plan and evaluate the Cost Reporting implementation. Review and evaluate the evidence of data input to Site Planning.
- b. Review documentation that outlines the following:
  - Cost avoidance scenario(s) from the various integrated site impacts.
  - Assessment of cost avoidance as reported.
  - Revised Condition Assessment Survey Process that maximizes cost reduction and/or cost avoidance.
- c. Evaluate RPV for H-Canyon, DWPF and SRNL 773-A Lab.
- d. Review evidence of implementation documentation in DOE-HQ FIMS records demonstrated by performance against metrics implementation schedule.
- e. Review Condition Assessment Survey (CAS) Reports for the structures inspected in FY14. In addition, DOE-SR will perform field walk down on randomly selected completed facilities/structures and then verify that CAS data has been placed into the DOE-HQ Condition Assessment Information System (CAIS).

# **Contract Output SRNS2014LS-07:**

# Site Integrated Planning and Business Process Improvement

The Site Integrated Planning process integrates site mission planning and real property asset management. These recommendations and objectives will demonstrate improved linkage and dependencies at strategic, operational and tactical levels in support of the successful execution of the Site missions and landlord functions at SRS that includes support of all Site tenant organizations. Additionally, there will be a continued focus on improving crosscutting business processes that support the provision of services to Site missions.

#### Description/Background/Justification:

Execution of planned missions requires support from multiple functional organizations on site. Improving efficiency of crosscutting business processes required by these support groups will decrease cost and improve execution schedules. An additional goal is to improve those crosscutting processes.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-7.01	9/30/14	\$100,000	Update the Land Use Plan to reflect the results of the DOE-SR Planning Process.
Acceptance	Criteria		

DE will be provided / will review the following for validation:

Final Draft of the revised plan for review and publication.

#### Contract Output SRNS2014LS-08:

#### Interface Management

The Contractor shall execute Interface Management with site tenants to deliver landlord services in support of mission execution.

## Description/Background/Justification:

Effective implementation of site interface management process (necessary maintenance and communication of interface processes, procedures and agreements) results in the effective delivery of landlord services. This ensures an efficient process to support tenant site mission completion activities.

Annually the Interface Management Team develops a lessons learned regarding the interfaces of the tenants. These recommendations are the basis for the improvements defined in items 2 and 3.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Improve the SRS Interface Management Process
LS-8.01			by supporting DOE in the implementation of the
	·		Site Policy Manual SRSPM 250.1.1B.
}	Ì		Note: This improvement is defined in the 2013
			Interface Management Lessons Learned developed
			by the Interface Management Team:
			1. Providing support in developing a matrix of current contractor (SRNS, SRR, MOX,
			SWPF, WSI) applicability for each policy.
			2. Provide suggested handling strategies for
			the major contract omissions (i.e. contract
			modification, policy modification)
Acceptance	Criteria		

DOE-SR will review the Contractor Applicability Matrix and suggested handling strategies.



# Performance Incentive Document

PID Number:	SRNS2014SUBJ		
Activity Name:	Management & Operations - Subjective		
WBS Number:	Various / Indirect		
Performance Period:	October 1, 2013	- September 30, 2014	
Allocated Fee:	\$5,000,000		
Revision Number:	θ 1		
Senior level manager:		Doug Hintze Assistant Manager Mission Support (AMMS)	
Senior level supervisor/division manager:		Nick Delaplane	

#### **Contract Performance Outcome:**

#### **Nuclear Materials Management**

The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements. Management of nuclear materials at SRS includes storage, operations and disposition.

#### Solid Waste

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

#### Soil and Water Remediation

The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices

of direction from DOE and/or regulatory agencies.

# Savannah River National laboratory (SRNL)

SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.

#### Sitewide ES&H Program

The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.

#### **Operations Support**

The Contractor shall implement site-wide programs and coordinate their implementation with all site organizations. The Contractor shall provide technical support for all its activities and operations. The Contractor shall also provide technical support for other organizations as directed by the CO or as requested by other organizations and approved by the CO. Except as otherwise directed by the CO, services to other contractors generally do not extend to within their facilities or areas under the control of other tenant organizations.

#### **Business Services**

The Contractor shall provide general planning, management and administrative services for all its activities and for other organizations as directed by the CO.

#### **Contract Output SRNS2014SUBJ-01:**

This incentive is measured with an adjectival rating to measure technical performance, cost control, schedule performance and business relations / management for all of the fiscal year 2014 authorized scope.

This Contract Output will receive an adjectival grade and numerical score. In order to provide for consistency across the Complex, DOE-SR will use the five tier adjectival ratings and definitions set forth in FAR 16.4 described below.

Adjectival Rating	Percent of allocable fee	Definition
Excellent	91% - 100%	Contractor has exceeded almost all of the significant award-fee criteria and has met

		overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76% - 90%	Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Good	51% to 75%	Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	1% to 50%	Contractor has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	0%	Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.

# Description/Background/Justification:

To achieve its vision and implement all desired management improvement efforts will require an organized, systematic approach to project execution. EM has developed and implemented the EM Program Management System (EMPMS) to clarify roles and responsibilities, to provide for more integrated operations, and to further establish a solid baseline for workforce planning.

The EMPMS is a performance-based management system. Performance-based management uses performance measurement information to help set agreed-upon performance goals, to allocate and prioritize resources, to inform managers so they can manage program activities to meet those goals, and to report on their status. It also offers opportunity to learn from any failures in performance and to continuously improve management practices.

The IPT, as identified in the PEMP, will conduct informal surveys of the following organizations in order to solicit feedback related to contractor performance in the areas of Business Relations, Technical Quality, Cost Control and Schedule (timeliness):

Assistant Manager for Infrastructure and Environmental Stewardship (AMIES)
Assistant Manager for Mission Support (AMMS)

- Assistant Manager for Integration and Planning (AMIP)
- Office of Acquisition Management (OAM)
- Office of Human Capital Management (OHCM)

Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)

Assistant Manager for Waste Disposition Project (AMWDP)

Office of Field Chief Financial Officer (CFO)

Office of Chief Counsel (OCC)

Office of Civil Rights (OCR)

Office of External Affairs (OEA)

Office of Laboratory Oversight (OLO)

Office of Safety and Quality Assurance (OSQA)

Office of Safeguards, Security and Emergency Services (OSSES)

SRNS organizations will provide monthly self-assessments throughout the performance period to provide contractor feedback in cross-cutting areas of performance, such as safety, efficient use of trained and qualified human capital, quality, continuous improvement, cost effectiveness, timeliness of deliverables, compliance with contract, etc. The self-assessments will be used to measure and report contractor technical performance (quality of product/service), cost control, adherence to schedule, and business relations / management as these relate to the contractor support of the individual and collective DOE organizations. These self-assessments will be captured on the electronic web-based DOE Scorecard and used to facilitate enhanced communication between DOE-SR and SRNS.

These assessments are critical to record contract performance that is considered implicit, or subjective. Clear measures will be defined and consistent with standards of reporting contractor performance (FAR 42.15, FAR 15.3, FAR 9.1, and DEAR 909.1), The Federal Acquisition Streamlining Act of 1994, and the federal acquisition guide, chapter 42.15.

Subjective incentives use adjectival measures related to quality of service or product. The success of a contractor against subjective measures is determined by the government, which will consider the related conditions under which the work was performed and the contractor's specific performance as measured against the government's objective.

Customer service is an implicit performance expectation. Both federal and contractor employees will strive to reach mutual expectations and conduct beneficial communications in support of site missions.

Per contract clause H-33: PROVISIONAL PAYMENT OF INCENTIVE FEE, the contractor may request monthly provisional fee payments for up to 1/12th of 50% of the total subjective fee for the performance period. Provisional fee is not considered earned fee and is contingent upon a final fee determination by the Fee Determination Official.

Up to \$2,610,000 \$5,000,000 of the allocate	d fee will be paid for this Contract Output.
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Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SUBJ-1.01	9/30/14	\$5,000,000	Provide a monthly report measuring trends and improvements in technical, cost, schedule performance and business relations / management activities. The report will include trending data and analysis of direct program (PBS) continuous improvement efforts, and cost performance of the Indirect cost pools (Essential Site Services and G&A).

DOE-SR will review the contractor monthly report measuring technical, cost, schedule performance and business relations / management in accordance with site performance reporting to support the DOE-SR Contractor Performance Assessment Reporting (CPAR) requirements.

# Attachment D, NNSA Performance Incentive Documents for fiscal year 2014

[Will be attached]

Attachment 2: Comments, Subject: DOE-SR SRNS FY 2014
Performance Evaluation
Measurement Plan Comments and
Resolution, Dated: OCT 2 4 2013

ATTACHMENT CONTAINS OUO INFORMATION

AMENDMENT OF SOLICITATION/MODIFIC	ONTRACT		1. CONTRACT D CODE		PAGE OF PAGES		
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PRC	JECT NO.	∠ (If applicable)
0414	10/25/2	013	14EM	000169			
6. ISSUED BY CODE			7. ADN	NISTERED BY (If other than Item 6)	CODE	0090	 1
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802			Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802				
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et, county, State and	d ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LL		. 10 <i>A</i>	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NOT BE NOT	O.		
	TE 1 011 177 1 0 0 1			B. DATED (SEE ITEM 13)			
CODE 798861048	FACILITY COI			1/10/2008			
The above numbered solicitation is amended as set to				ENTS OF SOLICITATIONS  ceipt of Offers		☐ is not ex	
tems 8 and 15, and returning compared by the separate letter or telegram which includes a reference the PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off to the solicitation and this amendment, and is received.  12. ACCOUNT NG AND APPROPRIATION DATA (If recompared to the solicitation and the second that the solicitation and this amendment, and is received.	e to the solicitation OFFERS PRIOR er already submit d prior to the ope	on and amendment numbe R TO THE HOUR AND DA ted, such change may be ening hour and date specif	ers. FAI TE SPE made billied.	EC FIED MAY RESULT IN REJECTION OF YOU  y telegram or letter, provided each telegram or	BE REC OUR OF	CEIVED AT FER. If by nakes refer	ence
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D. OTHER (Specify type of modification	and authority)						
X DEAR 970.5232-4 Obl:	igation c	f Funds (2000	))				
E. IMPORTANT Contractor X is not,	is required	to sign this document and	return	O copies to the issuing	office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modification in accordance are hereby obligated to CLIN \$4,938,559,984.51.	fication with SR	is to obliga NS FINPLAN 3.	ite : Fi	funds to CLIN 0001 (Departments of \$8	artm 83 <b>,</b> 1	43,864	
B. As a result of this modiand Price/Cost, paragraph B, the total amount of funds ok \$6,338,288,328.34.  C. The contract estimated to Continued	entitle bligated	d "Obligation to the contra	of ict :	Funds," is hereby revis	sed to	to ind	crease
	he document refe	erenced in Item 9A or 10A	as her	etofore changed, remains unchanged and in fu	Il force :	and effect	
15A. NAME AND TITLE OF SIGNER ( <i>Type or print</i> )	no document refe	STORES IN REIN SA OF TUA,	0A, as heretofore changed, remains unchanged and in full force and effect.  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)				
			Ang	ela S. Morton			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA		160	C. DATE SIGNED
			Si	gnature on File		1	0/25/2013
(Signature of person authorized to sign)				(Signature of Contracting Officer)		_   _	-, -0, -010

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED			
	DE-AC09-08SR22470/0414	2	2	

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0415	10/25/2	013	14EM	000169				
6. ISSUED BY CODE	00901		7. ADN	NISTERED BY (If other than Item 6)	CODE	0090	 1	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802			Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and	I ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.				
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			10E	B. DATED (SEE ITEM 13)				
CODE 798861048	FACILITY COI	DE	0	1/10/2008				
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separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is receive	OFFERS PRIOR or already submit d prior to the ope	TO THE HOUR AND DA	TE SPE	EC FIED MAY RESULT IN REJECTION OF YOU  y telegram or letter, provided each telegram or	OUR OF r letter n	FER. If by nakes refer		
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D. OTHER (Specify type of modification	and authority)							
X DEAR 970.5232-4 Obli	gation c	f Funds (2000	0)					
E. IMPORTANT Contractor X is not.	is required t	to sign this document and	return	0 copies to the issuing	office.			
14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi Commercial), in accordance whereby obligated to CLIN 000 \$4,938,625,773.38.	fication ith SRNS	is to obligation fine the state of the state	te : Fund	funds to CLIN 0001 (Reinds in the amount of \$65	mbur ,788			
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,338,354,117.21.	entitle ligated	d "Obligation to the contra	n of act :	Funds," is hereby revi	sed to	to ind	crease	
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Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refe	erenced in Item 9A or 10A		etofore changed, remains unchanged and in fundame AND TITLE OF CONTRACTING OFFICE				
				ela S. Morton	( <i>i y</i>	ro or print)		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		JNITED STATES OF AMERICA		160	C. DATE SIGNED	
			Si	gnature on File		1	0/25/2013	
(Signature of person authorized to sign)				(Signature of Contracting Officer)		_   _	J, 20, 20±J	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED			
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0416	10/25/20:	<sub>4</sub>		000169			,	
6. ISSUED BY CODE	00901		7. ADN	MINISTERED BY (If other than Item 6)	CODE	00901		
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802			Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t. county. State and Z	(IP Code)	.  9A	AMENDMENT OF SOLICITATION NO.				
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CODE 798861048	FACILITY CODE		0	1/10/2008				
	11. THIS ITEM	ONLY APPLIES TO AM	IENDI	MENTS OF SOLICITATIONS				
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offi to the solicitation and this amendment, and is receive  12. ACCOUNTING AND APPROPRIATION DATA (If re-  13. THIS ITEM ONLY APPLIES TO M	OFFERS PRIOR 1 or already submitted d prior to the open quired)	TO THE HOUR AND DAT id, such change may be r ing hour and date specifi Net	re spi made l ied. De c	ECIFIED MAY RESULT IN REJECTION OF YOU by telegram or letter, provided each telegram o	OUR OF retter	FFER. If by makes references	ance	
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appropriation date, etc.) SET FORT  C. THIS SUPPLEMENTAL AGREEMEN				MINISTRATIVE CHANGES (such as changes ' OF FAR 43.103(b).  ITY OF:	pay	ing onico,		
D. OTHER (Specify type of modification	and authority)							
X DEAR 970.5232-4 Obl:	==	Funds (2000	))					
		sign this document and i		1copies to the issuin	a office	· · · · · · · · · · · · · · · · · · ·		
14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modified work for Other Federal Agence 1) Department of Defense: 2) Department of Justice: (-3) MISCELLANEOUS:	fication (y), in ac	is to de-obl cordance wit	iga	te funds from CLIN 0001	(Re		sable	
The total amount de-obilitat \$4,938,625,773.38 to \$4,938, B. As a result of this modification of the continued	607,878.8	5. Part I - Sc	hed	ule, Section B, Supplie	s o	r Serv		
15A. NAME AND TITLE OF SIGNER (Type or print)  LOYO. C. CLEWINGER  THE CONTROL OF	,		16A.	NAME AND TITLE OF CONTRACTING OFF				
15B. CONTRACTOR/OFFERDOR  (Sarpture of portant duget to sign)		15C. DATE SIGNED	16B.	UNITED STATES OF AMERICA  (Signature of Contracting Officer)	سرا		0/25/2013	

NSN 7540-D1-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE OF		
CONTINUATION SHEET	DE-AC09-08SR22470/0416	2	2	

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	and Price/Cost, paragraph B, entitled "Obligation of Funds," is hereby revised to decrease the total amount of funds obligated to the contract from \$6,338,354,117.21 to \$6,338,336,222.68.				
	C. The contract estimated value and all other terms and conditions remain unchanged. FOB: Destination				
		:			



# Temporary Delegation of Authority

	Start	Through				
Temporary Delegation Dates:	10/25/2013 11:30 AM	11/04/2013 11:59 PM				
Current Status I	Active					
Reason for Delegation !!!	Away from Site					
Recipients you wish to notify	DOA					
Attachments:						

	Delegator (From)	Delegatee (To)
Name Market Mark	CLEVINGER, LLOYD CLARK II	IWUC, FRANCIS T
User ID and a second second	D7547	O6138
Company	SRNS	SRNS
Department	U0000 - CONTRACTS	U1000 - CONTRACT ADMINISTRATION
Location	730-1B, Room 326	730-1B, Room 327
l Phone	8039527712	8039528687
Permanent LOA	2	
Contact Information		
Pager		
Delegator has CAM Authority hand wishes to delegate it?		
and wishes to delegate it?		

Employee ·	Action Taken	Status	Date
Lloyd Clevinger	Temporary delegation created	Draft	10/17/2013 11:52:04 AM
Lloyd Clevinger	Temporary delegation saved in draft mode	Active	10/17/2013 11:52:43 AM
Lloyd Clevinger	TDA Set to Active	Active	10/25/2013 7:31:29 AM
Lloyd Clevinger	Email Notifications generated		10/25/2013 7:31:29 AM

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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PRO	JECT NO.	(If applicable)
0417	10/30/20	013			Ì		
6. ISSUED BY CODE			7. ADN	MINISTERED BY (If other than Item 6)	CODE	00901	
Savannah River Operations				annah River Operations			
U.S. Department of Energy				. Department of Energy			
Savannah River Operations				annah River Operations			
P.O. Box A Aiken SC 29802				. Box A en SC 29802			
Alken be 25002			1111				
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	I ZIP Code)	(x) <sup>9A.</sup>	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LL	С					
Attn: LLOYD CLEVINGER			98.	DATED (SEE ITEM 11)			
203 LAURENS ST SW							
AIKEN SC 298012421			x 10/	A MODIFICATION OF CONTRACT/ORDER N E-AC09-08SR22470	O		
				2-AC09-005R22470			
			108	B. DATED (SEE ITEM 13)			
CODE 798861048	FACILITY COI			1/10/2008			
790001040	j			IENTS OF SOLICITATIONS			
☐ The above numbered solicitation is amended as set f					nded	☐ is not ext	
Offers must acknowledge receipt of this amendment				· ·		_	
	•			eipt of this amendment on each copy of the off			Ву
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF							
virtue of this amendment you desire to change an offe	er already submit	ted, such change may b	e made l			•	nce
to the solicitation and this amendment, and is receive		ening hour and date spec	ified.				
12. ACCOUNTING AND APPROPRIATION DATA (# re No Change to Accounting and	• •	ation Data					
			S. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBE	D IN ITEM 1	4.
A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE	CHANG	BES SET FORTH IN ITEM 14 ARE MADE IN T	HE CON	ITRACT	
D. THE ADOME AND CONTRA	OT/ODDED 10 M	1001FIFD TO 0FF1 FOT	TIP 40	MANUATE ATTACK CHANGES (with a second			
appropriation date, etc.) SET FORT	H IN ITEM 14, P	URSUANT TO THE AUT	HORITY	MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).	ın payını	д отсе,	
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED	INTO DI IDELIANT TO A	ITHOD	TTV OE:			
O. THIS GOTT ELINENTAL AGREEMEN	TI IO ENTENED	INTO FORSOART TO A	o mon				
D. OTHER (Specify type of modification	n and authority)			· · · · · · · · · · · · · · · · · · ·			
X Section I, DEAR 970.	•••	Jork Authoriz	atio	n (May 2007)			
		to sign this document an		······································	g office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION							
A. The purpose of this modi		-	_	-	•	izatio	ns
listed below:							
1) No. HQ091101-14, for Adva	nced Sim	ulation Capa	bili	ty for Environmental (S	ee A	ttachm	ent 1,
A)		-		•			•
2) No. KC/SR1/4-14, for Basi	c Energy	Science - E	nera	v Frontier Research Cen	ters	(See	
Attachment 1, B)	5,			,		,	
3) No. KP/W/SR1/4-14, for Bi	ological	and Environ	ment	al Research (See Attach	ment	3. C)	
4) No. HQ1001-14, for Energy							
(See Attachment 4, D)					- y	,	
5) No. SR091701-14, for In S	Situ Deco	mmissioning	(See	Attachment 5. E)			
Continued	,		,500				
Except as provided herein, all terms and conditions of t	he document refe	erenced in Item 9A or 10	A, as he	retofore changed, remains unchanged and in fi	ul) force :	and effect	
15A. NAME AND TITLE OF SIGNER (Type or print)				NAME AND TITLE OF CONTRACTING OFF			
				rie A. Garvin	. •		
15B. CONTRACTOR/OFFEROR		LIEO DATE OLONES				1466	DATE BIOLIST
IDD. SOMING LONGFEROR		15C. DATE SIGNED	108.	UNITED STATES OF AMERICA		160	. DATE SIGNED
(Signature of person authorized to sign)	<del></del>	1	1	(Signature of Contracting Officer)		_   10	0/30/2013
NSN 7540-01-152-8070					TANDAF	RD FORM 3	0 (REV. 10-83)

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	F
CONTINUATION SHEET	DE-AC09-08SR22470/0417	2	2

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	6) No. 410003-TS-14, for SRNL Technical Support				
	(See Attachment 7,E)				
			l		
1	Funds were previously allocated by separate				
	modifications under FINPLAN number 3, for Fiscal Year 2014.				
	rear 2014.				
1	B. This modification formally incorporates the				
	above referenced contract work authorizations as				
	part of the contract. As stated under DEAR				
	970.5211-1 Work Authorization (May 2007),		1		
	paragraph (b), the work authorization, whether				
	issued bilaterally or unilaterally shall become a part of the contract.				
	part of the contract.				
	C. The contract estimated value and all other				
	terms and conditions remain unchanged.				
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	1	PAGE OF PAGES		
2. AMENDME	ENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE0	QUISITION/PURCHASE REQ. NO.	5. PROJECT N	O. (If applicable)		
0418		11/21/2013	14EN	1000438				
6. ISSUED B	Y CODE	00901	7. AD	MINISTERED BY (If other than Item 6)	CODE 009	01		
U.S. De Savanna P.O. Bo	ah River Operations epartment of Energy hh River Operations ox A GC 29802		U.S Sav P.O	annah River Operations . Department of Energy annah River Operations . Box A en SC 29802				
8. NAME ANI	D ADDRESS OF CONTRACTOR (No., street	county. State and ZIP Codel	( ) 9A	AMENDMENT OF SOLICITATION NO.				
	•		(x) S					
	H RIVER NUCLEAR SOLUT! LOYD CLEVINGER	IONS, LLC	98	DATED (SEE ITEM 11)				
203 LAU	RENS ST SW							
AIKEN S	C 298012421		y 10	A. MODIFICATION OF CONTRACT/ORDER N	NO.	<del></del>		
			× D	E-AC09-08SR22470		•		
			10	B. DATED (SEE ITEM 13)				
CODE 7	98861048	FACILITY CODE	7	01/10/2008				
		11. THIS ITEM ONLY APPLIES TO	AMEND	MENTS OF SOLICITATIONS				
THE PLAC virtue of th to the solic	CE DESIGNATED FOR THE RECEIPT OF (	OFFERS PRIOR TO THE HOUR AND It already submitted, such change may it prior to the opening hour and date specifically	DATE SP be made scified.	ALLURE OF YOUR ACKNOWLEDGEMENT TO ECIFIED MAY RESULT IN REJECTION OF Y by telegram or letter, provided each telegram or	OUR OFFER. If or letter makes re	by ference		
72. ACCOOK	TING AND AFFRORNIATION DATA (II 184	Ne	t Ind	crease: \$	23,986,37 	75.38		
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDE	RS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN ITE	M 14.		
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) TH	IE CHAN	GES SET FORTH IN ITEM 14 ARE MADE IN	THE CONTRACT			
	B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS MODIFIED TO REFLECT IN ITEM 14, PURSUANT TO THE AU	T THE AI	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	s in paying office,			
	C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO	AUTHOR	RITY OF:				
	D. OTHER (Specify type of modification	= ·				,		
X	Section I, DEAR 970.							
E. IMPORTAL				O copies to the issuir				
		· ·	_	solicitation/contract subject matter where feasifunds to CLIN 0001 (Dep		of		
				ands in the amount of \$2				
				from \$4,938,607,878.85				
\$4,962,	594,254.23.	· -						
				ule, Section B, Supplie				
				Funds," is hereby revi		ncrease		
	al amount of funds ob 322,598.06.	ligated to the cont:	ract	from \$6,338,336,222.68	to			
		alue and all other	terms	and conditions remain	unchange	d.		
Continu		a decrement referenced in the CA - 4	04	mining changed complex contracts and to	full force or = = = = = = = = = = = = = = = = = =	<b>-</b>		
	AND TITLE OF SIGNER (Type or print)	e document reterenced in item 9A or 1		retofore changed, remains unchanged and in f NAME AND TITLE OF CONTRACTING OFF				
			Jai	mes hovett				
15B. CONTR	PACTOR/OFFEROR	15C. DATE SIGNED	16B.	UNITED STATES OF AMERICA	7	16C. DATE SIGNED		
				X 1 201		11/21/2013		
	(Signature of person authorized to sign)		$\bot \!\!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	(Signature of Contracting Officer)				
NSN 7540-0 Previous edi	11-152-8070 tion unusable			P	TANDARD FOR rescribed by GS. AR (48 CFR) 53.			

CONTINUATION SUEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE OF 2 2		
CONTINUATION SHEET	DE-AC09-08SR22470/0418	2	2	
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AMENDMENT OF SOLICITATION	MODIFICATION OF	CONTRACT	CONTRACT ID CODE	PAGE O	F PAGES
				1	2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTI	VE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO	). (If applicable)
0419	11/21/	2013	14EM000438		
6. ISSUED BY	CODE 00901		7. ADMINISTERED BY (If other than Item 6)	CODE 0090	01
Savannah River Operati	ions		Savannah River Operation		
U.S. Department of Ene	ergy		U.S. Department of Energy		
Savannah River Operati	lons		Savannah River Operation	ns	
P.O. Box A			P.O. Box A		
Aiken SC 29802			Aiken SC 29802		
8. NAME AND ADDRESS OF CONTRACTO	OR (No., street, county, State	and ZIP Code)	(x) 9A. AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR	SOLUTIONS. I	T.C	П		
Attn: LLOYD CLEVINGER	COLOTIONS, L	10	9B. DATED (SEE ITEM 11)		
203 LAURENS ST SW					
AIKEN SC 298012421					-
			X DE-AC09-08SR22470	DER NO.	
			10B. DATED (SEE ITEM 13)		
CODE 798861048	FACILITY C	ODE	01/10/2008		
	11. THIS	ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS		
☐ The above numbered solicitation is amen	nded as set forth in Item 14	. The hour and date speci	fied for receipt of Offers	s extended,  is not e	extended.
	amendment prior to the ho	ur and date specified in the	solicitation or as amended, by one of the following	ng methods: (a) By comp	oleting
ttems 8 and 15, and returning			dging receipt of this amendment on each copy of		
			bers. FAILURE OF YOUR ACKNOWLEDGEMEN DATE SPECIFIED MAY RESULT IN REJECTION		
			se made by telegram or letter, provided each teleg		
to the solicitation and this amendment, ar		pening hour and date spec	cified.		
12. ACCOUNTING AND APPROPRIATION	DATA (If required)	Net	t Increase:	\$242,251.5	3
42 THE ITEM ON VAC	ED LES TO MODISICATION	N OE CONTRACTS/ORDE	RS. IT MODIFIES THE CONTRACT/ORDER NO.	AS DESCRIBED IN ITEM	144
13. TRISTIEM ORLT AF			NS. II MODIFIES THE CONTRACTIONDER NO. 1		
A. THIS CHANGE ORDER ORDER NO. IN ITEM 10	IS ISSUED PURSUANT T A.	O: (Specify authority) THE	E CHANGES SET FORTH IN ITEM 14 ARE MAD	E IN THE CONTRACT	
appropriation date, etc.)	SET FORTH IN ITEM 14,	PURSUANT TO THE AUT	THE ADMINISTRATIVE CHANGES (such as cha THORITY OF FAR 43.103(b).	anges in paying office,	
C. THIS SUPPLEMENTAL	ACDEEMENT IS ENTED	D INTO DUDOUANT TO	AUTHODITY OF		
O. THIS SUFFELIMENTAL	AGREEMENT IS ENTERE	DINTO FORSOANT TO	NOTHORITY OF.		
D. OTHER (Specify type of	f modification and authority	<del></del>			
X   Section I, DEA	AR 970.5211-1	Work Authoria	zation (May 2007)		
E. IMPORTANT: Contractor	X is not. ☐ is require	ed to sign this document an	nd return 0 copies to the	issuing office.	
14. DESCRIPTION OF AMENDMENT/MOD	DIFICATION (Organized b	y UCF section headings, in	ncluding solicitation/contract subject matter where	feasible.)	
A. The purpose of thi	s modification	n is to oblig	gate funds to CLIN 0001 (	Reimbursable	Work
Commercial), in accord	lance with SRN	IS FINPLAN 4.	Funds in the amount of \$	242,251.53 a	re
hereby obligated to CI	m ount ruer		., (.,,,,,,,,,,,,,,,,,,,,,,,,,		
	in oooi, thei	-			
	in oool, ther	•			
\$4,962,836,505.76.	·	-	Schedule Section R Supp	lies or Serv	rices
\$4,962,836,505.76. B. As a result of thi	s modificatio	on, Part I - S	Schedule, Section B, Supp		
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragr	s modification	on, Part I - S led "Obligatio	on of Funds," is hereby r	evised to in	
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragr the total amount of fu	s modification	on, Part I - S led "Obligatio		evised to in	
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragr the total amount of fu	s modification	on, Part I - S led "Obligatio	on of Funds," is hereby r	evised to in	
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragr the total amount of fu \$6,362,564,849.59.	s modification aph B, entitl	on, Part I - S led "Obligatio d to the contr	on of Funds," is hereby react from \$6,362,322,598.	evised to in 06 to	crease
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragr the total amount of fu \$6,362,564,849.59.  C. The contract estim	s modification aph B, entitl	on, Part I - S led "Obligatio d to the contr	on of Funds," is hereby r	evised to in 06 to	crease
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragrathe total amount of fur \$6,362,564,849.59.  C. The contract estimation Continued	s modification aph B, entitle ands obligated mated value are	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.	evised to in 06 to in unchanged	crease
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragrathe total amount of further \$6,362,564,849.59.  C. The contract estimation Continued  Except as provided herein, all terms and continued and co	as modification aph B, entitle ands obligated mated value are onditions of the document of the	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.  The serms and conditions remains and conditions remains unchanged and conditions unchanged and	evised to in 06 to in unchanged	crease
\$4,962,836,505.76.  B. As a result of thi and Price/Cost, paragrathe total amount of fur \$6,362,564,849.59.  C. The contract estimation Continued	as modification aph B, entitle ands obligated mated value are onditions of the document of the	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.	evised to in 06 to in unchanged	crease
and Price/Cost, paragr the total amount of fu \$6,362,564,849.59. C. The contract estim Continued Except as provided herein, all terms and co	as modification aph B, entitle ands obligated mated value are onditions of the document of the	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.  The serms and conditions remains and conditions remains unchanged and conditions unchanged and	evised to in 06 to in unchanged	crease
\$4,962,836,505.76.  B. As a result of this and Price/Cost, paragrathe total amount of fur \$6,362,564,849.59.  C. The contract estimate Continued  Except as provided herein, all terms and continued and continu	as modification aph B, entitle ands obligated mated value are onditions of the document of the	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.  Eerms and conditions remains unchanged and last NAME AND TITLE OF CONTRACTING	evised to in 06 to in unchanged and in full force and effect OFFICER (Type or prin	crease
\$4,962,836,505.76.  B. As a result of this and Price/Cost, paragrathe total amount of further \$6,362,564,849.59.  C. The contract estimate Continued  Except as provided herein, all terms and continued	as modification aph B, entitle ands obligated mated value are onditions of the document of the	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.  The serms and conditions remains an an an an an an an an an an an an an	evised to in 06 to in unchanged and in full force and effect OFFICER (Type or prin	crease
\$4,962,836,505.76.  B. As a result of this and Price/Cost, paragrathe total amount of further second	as modifications and solutions of the document of or print)	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.  The serms and conditions remains and conditions remains unchanged are to the service of t	evised to in 06 to in unchanged and in full force and effect OFFICER (Type or prin	crease
\$4,962,836,505.76.  B. As a result of this and Price/Cost, paragrathe total amount of further services of the total amount of further services.  C. The contract estimate Continued  Except as provided herein, all terms and continued	as modifications and solutions of the document of or print)	on, Part I - S led "Obligation of to the contr and all other t	on of Funds," is hereby react from \$6,362,322,598.  The serms and conditions remains an an an an an an an an an an an an an	evised to in 06 to in unchanged and in full force and effect OFFICER (Type or prin	C. DATE SIGNED

CONTINUATION SHEET         REFERENCE NO. OF L MENT BEING CONTINUED DE-AC09-08SR22470/0419         PAGE OF 2         PAGE OF 2				\			
DE-AC09-08SR22470/0419 2 2	CONTINUATION CHEET	REFERENCE NO. OF	-	MENT BEING CONTINUED	PAGE	OF	
	CONTINUATION SHEET	DE-AC09-08SF	22	70/0419	2		2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
<b>A</b> )	(B)	(C)	(D)	(E)	(F)
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2. AMENDMEN 0420 6. ISSUED BY	NT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES		
0420	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	QUISITION/PURCHASE REQ. NO.		NO. (If applicable)	
		11/21/2013	14EM	1000438		, ,,	
	CODE	00901	7. AD	MINISTERED BY (If other than Item 6)	CODE 00	901	
U.S. Dep		[00501	U.S Sav P.O	annah River Operations . Department of Energy annah River Operations . Box A en SC 29802	<u> </u>		
AIRCH DO	, 2,5002			c 50 23002			
SAVANNAH Attn: LLO 203 LAURI	ADDRESS OF CONTRACTOR (No., street RIVER NUCLEAR SOLUT: OYD CLEVINGER RENS ST SW 298012421		98 x 10	AMENDMENT OF SOLICITATION NO.  DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER E-AC09-08SR22470  B. DATED (SEE ITEM 13)	NO.		
CODE 700		FACILITY CODE	-l I	•			
798	8861048	İ	1 1	01/10/2008			
	numbered solicitation is amended as set fo	11. THIS ITEM ONLY APPLIES TO			tended, ☐is n		
virtue of this to the solicita		er already submitted, such change may d prior to the opening hour and date spe	be made ecified.	ECIFIED MAY RESULT IN REJECTION OF by telegram or letter, provided each telegram		eference	
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) TH CT/ORDER IS MODIFIED TO REFLEC H IN ITEM 14, PURSUANT TO THE AU	T THE AL	ODIFIES THE CONTRACT/ORDER NO. AS E GES SET FORTH IN ITEM 14 ARE MADE IN DMINISTRATIVE CHANGES (such as change of FAR 43.103(b).	THE CONTRAC	т	
	D. OTHER (Specify type of modification	••					
X	Section I, DEAR 970.	5211-1 Work Authori	zatio	on (May 2007)			
	T: Contractor X is not.	is required to sign this document a	nd return	0 copies to the issu			
E. IMPORTANT	TION OF AMENDMENT/MODIFICATION						
E.IMPORTANT 14.DESCRIPT A. The for Othe in the a	er Federal Agency (De	fication is to oblice partment of State)); are hereby obligate	<i>including</i> gate , in	solicitation/contract subject matter where fea funds to CLIN 0001 (Re accordance with SRNS F CLIN 0001, thereby in	sible) imbursab INPLAN 4	. Funds	
E.IMPORTANT  14.DESCRIPT  A. The for Othe in the a \$4,962,8  B. As a and Pric the tota	er Federal Agency (De amount of \$100,486.05 336,505.76 to \$4,962, a result of this modi ce/Cost, paragraph B,	fication is to obligate partment of State)), are hereby obligate 936,991.81.  fication, Part I - 3 entitled "Obligation	gate, in ed to	funds to CLIN 0001 (Re accordance with SRNS F	sible) imbursab INPLAN 4 creasing es or Se ised to	. Funds it from	
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14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi listed below:	fication	is to incorp	oor	ate the contract work au	-	rizations
1) No. IN14013-14, for Energ 2) No. IN14025-14, for Energ 3) No. IN14035-14, for Energ 4) No. 89X0319-14, for Fuel 5) No. HI-410003-14, for Fue 6) No. H1-410003-14, Rev 1, 7) No. 410003-TS-14, Rev 1,	y and Th y and Th Cycle Te l Cell T for Fuel	reat (See Att reat (See At chnologies (S echnologies C Cell Technol	tac ta See Off	hment 1, B) chment 1, C) Attachment 1, D) ice (See Attachment 1, E ies Office (See Attachme	nt 1	., F)
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Except as provided herein, all terms and conditions of the	e document refe	erenced in Item 9A or 10A.	, as I	neretofore changed, remains unchanged and in fo	ıll force	and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)			16	A NAME AND TITLE OF CONTRACTING OFFI		
15B. CONTRACTOR/OFFEROR	_	15C. DATE SIGNED	1	B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			Y	(Signature of Contracting Officer)		_ 11/26/2013

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NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC						
ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT	
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	9) SRNS Financial Plan No. 4 (Attachment 1(I)					
1	Funds were previously allocated by separate					
	modifications under FINPLAN number 4, for Fiscal	]				
	Year 2014 (See Attachment 1, I) .		ll			
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Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	00901	S. U S P	avannah River Operations .S. Department of Energy avannah River Operations .O. Box A iken SC 29802	s Y	00901
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et, county, State and ZIP Code)	100	9A. AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		x	98. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDE DE-AC09-08SR22470	ER NO.	
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		1.	James Lovett	_	
15B. CONTRACTOR/OFFEROR	15C. DATE		6B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Office)	CTANDADO	
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NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

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	Funds were previously allocated by separate	Ï			
	modifications, reference SRNS Financial Plan #4, for Fiscal Year 2014, a copy is provided as	}			
	Attachment 1, D, hereto.				
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	B. This modification formally incorporates the				
	above referenced contract work authorizations as				
	part of the contract. As stated under DEAR	}			
	970.5211-1 Work Authorization (May 2007),				
	paragraph (b), the work authorization, whether issued bilaterally or unilaterally shall become a				
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	C. Under Modification 0421, supporting				
	documentation to Contract Work Authorization No.	İ			
	IN14035-14, for Energy and Threat, the NNSA				
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E. IMPORTANT: Contractor X is not.	is required to sign this document ar	id retu	m copies to the issuing	office.		
Plan (PEMP), Revision 2, for Previous edition of the FY 2 effective December 30, 2013.  B. All other terms and cond	fication is to incor the period October 014 PEMP is hereby s itions remain unchan	tpor 1, supe	ate Performance Evaluati 2013 through September 3 rseded and replaced with	on Meas 0, 2014 Revisi	on 2,	
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced in Item 9A or 10	16. Já	A NAME AND TITLE OF CONTRACTING OFFICE			
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	161	B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)	<u> </u>	-	(Signature of Contracting Officer)		12/30/2013	

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



U.S. Department of Energy Savannah River Site

# PERFORMANCE EVALUATION MEASUREMENT PLAN

Savannah River Nuclear Solutions, LLC CONTRACT NO. DE-AC09-08SR22470 Modification No. 423

**Evaluation Period:** 

October 1, 2013 through September 30, 2014

Rev. 2 effective: December 30, 2013

Contracting Officer

Contracts Management Division

## **Approval Page**

Concurrence:	Date:
Lucy Knowles Chief Counsel, Office of Chief Counsel	12/20/2013
Jeffrey/C. Armstrong Director, Office of Acquisition Management	12/11/13
Douglas E. Hintze Assistant Manager for Mission Support	12/11/13
Approval:	
James Lovett, Jr.	12/20/2013

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### **Revision Summary Log**

Rev. #	Rev. Date	Affected Sections / Pages	Description of Revision	
0	10/01/13	All	Initial Issue for this evaluation period	
1	10/xx/13	Page 21, changed incentive summary table to reflect switch of fee from NMS to LS.	Nuclear Material Stabilization: \$8,900,000 \$8,800,000 Landlord Services: \$6,160,000 \$6,260,000	
1	10/xx/13	Page 22, changed allocated fee for EMO PBI.	Allocated Fee: \$8,900,000 \$8,800,000	
1	10/xx/13	Page 23, changed completion criteria for milestone SRNS2014EMO-1.01.	Completion Criteria: Ship one LEU trailer offsite to Areva for TVA contra	
1	10/xx/13	Page 25, changed completion criteria for milestone SRNS2014EMO-2.01.	Completion Criteria: Prepare, and receive, and store containers of surplus plutonium and uranium from LANL off-site items in K Area in accordance with the schedule maintained by DOE-SR.	
î	10/xx/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.06.	Completion Criteria: K Area will perform 20 Pu measurements on 20 different cans.	
1	10/xx/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.08.	Completion Criteria: Complete FSV +34 or the +48 roof replacement. Replace the Final Storage Vault roof at either the +34 or the +48 level depending on roofer's evaluation.	
1	10/xx/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.02.	<ul> <li>Completion Criteria:</li> <li>a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. Assumes DNFSB concurrence with proposal.</li> <li>b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, Fissue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.</li> </ul>	
1	10/xx/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.03.	Completion Criteria: Determine the feasibility of study to stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.	
1	10/xx/13	Page 27, deleted milestone SRNS2014EMO-3.04.	Date: 12/30/13 Fee: \$100,000 Completion Criteria: Submit DSA/TSR for F/H laboratory based on leak path factor evaluation. Acceptance Criteria: DOE-SR will review the SRNS approved DSA/TSR for the F/H lab based on leak path factor evaluation.	
1	10/xx/13	Page 43, changed completion criteria for milestone SRNS2014SRNL-2.02.	Completion Criteria:  a. Continue work on "strategie" tasks for ORP initiated in FY13 – including options for dealing with Te, waste qualification strategies, process scenario evaluations, and glass formulation approaches. This effort could move into leading and executing Grand Challenges in support of the high level waste processing system at Hanford. Develop program execution plans for Grand Challenge efforts in support of high level waste processing at the Hanford site. Complete first phase of experimentation as part of these programs. Participate on the Hanford Tank Waste Disposition Integrated Flowsheet development team. Perform flowsheet evaluations and provide definition of key interfaces and waste acceptance criteria.  b. Perform work for Hanford Contractors including WRPS and WTP.	

1	10/xx/13	Page 44, changed completion criteria for milestone SRNS2014SRNL-2.03.	Potential scope areas include continuing work on Caststone, Te removal options, development of waste qualification equipment and approaches.  - Complete full scale mixer testing in support of Caststone work - Complete experimentation on Te removal options selected during downselection - Develop conceptual design and fabricate test equipment in support of the waste qualification effort  c. Continue leadership of the National Laboratory Technical Authority Team in support of the WTP Full Scale Vessel Qualification Testing Program Define and qualify the instrumentation to be used during the full scale demonstration effort. Develop the simulant to be used during this instrument qualification and the first phase of testing  Completion Criteria:  Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts could include:  a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership.  b. Issue technical report/journal article on the next phase of Llong term glass corrosion modeling work studies.  c. Potential work in separations areas.
1	10/xx/13	Pages 44 and 45, changed completion criteria for milestone SRNS2014SRNL-3.01.	Completion Criteria:  Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP. that may include the following.  a. Provide technical support and report development to Environmental Compliance & Area Completion Projects (EC&ACP) in meeting regulatory milestones and deliverables (e.g., finalize 5 year ROD review deliverable, complete an H-tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan, complete an F-Tank Farm Groundwater Sampling and Analysis Plan, develop a Five-Year Remedy Review).  b. Continue development and transition to passive environmental technologies and approaches for EC&ACP waste site remediation (e.g., T-Area).
1	10/xx/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.03.	e. Continue support for operating systems and final closure of groundwater and vadose units (e.g., field sampling and analytical support for EC&ACP technology demonstrations and performance analysis for SVE operating treatment systems).  Completion Criteria:  As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE-SR OLO and SRNL, reduce deferred maintenance backlog by effective management of Construction Maintenance orders (CMO) and Major Maintenance scopes and effective execution of IGPP projects. Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance
1	10/xx/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.04.	scopes as defined in the approved FY14 SVS Implementation Plan.  Completion Criteria: As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE SR OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost. Implement the SRNL

	1		Infrastructure Plan to reduce operational cost by facility and scientific
			instrument renewal as well as an improved Asset Condition Index as defined in
		Dage 64 shares	the approved FY14 SVS Implementation Plan.
1	10/xx/13	Page 54, changed allocated fee for LS PBI.	Allocated Fee: \$1,410,000 \$1,510,000
1	10/xx/13	Page 57, changed completion criteria for milestone SRNS2014LS-3.01	Completion Criteria: Provide liaison support for a successful transition of the privatization of Outsource the SRNS ESS Facilities Maintenance and ensure success by providing business and technical leadership.
1	10/xx/13	Page 59, added milestone SRNS2014LS-5.02	<ul> <li>Date: 9/30/13</li> <li>Fee: \$100,000</li> <li>Completion Criteria:</li> <li>Evaluate the Critical Infrastructure Integrated Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.</li> <li>Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.</li> <li>Acceptance Criteria:</li> <li>DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis &amp; Reporting (STAR) system:         <ul> <li>Evaluate CIIPL documentation.</li> <li>Review the updated CIIPL quarterly or as-needed.</li> <li>Evaluate data improvements.</li> <li>Evaluate CIIPL effectiveness report.</li> </ul> </li> </ul>
1	10/xx/13	Pages 63 and 64, changed Contract Performance Outcome for PBI SRNS2014SUBJ.	Nuclear Materials Management  The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements Management of nuclear materials at SRS includes storage, operations and disposition.  Solid Waste  The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous low level, transurantic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.  Soil and Water Remediation  The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.  Savannah River National laboratory (SRNL)  SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.

			Sitewide ES&H Program
			The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.
1	10/xx/13	Page 67, changed fee statement for PBI SRNS2014SUBJ.	Up to \$2,610,000 \$5,000,000 of the allocated fee will be paid for this Contract Output.
2	12/xx/13	Pages 68 through 76, added the NNSA PEP.	See PEP, beginning on page 68.

#### 1. Purpose

This document serves as the Performance Evaluation Measurement Plan (PEMP) for fiscal year 2014 as identified in Section H-28, *Performance Based Incentives*, of Contract No. DE-AC09-08SR22470 between the U.S. Department of Energy (DOE) Environmental Management (EM) Savannah River (SR) and Savannah River Nuclear Solutions (SRNS) LLC, approved January 10, 2008.

Incentives are developed annually by DOE and SRNS to support mission strategies for the fiscal year and measure all work performed by the contractor during the evaluation period. The SRNS contract is a performance based contract for the management of a DOE facility governed by the provisions of FAR 17.6 and DEAR 917.6. It is a cost-reimbursement contract with provisions for a general performance fee and performance incentives as provided for in the clause in Section I entitled, DEAR 970.5215-1 *Total Available Fee: Base Fee Amount and Performance Fee Amount.* 

The PEMP addresses development of the Performance Incentive Document (PID). This includes administration of performance measures at the contract level for total available fee defined in the contract, Section B, Supplies or Services and Prices/Costs. Incentives are approved only when funding is authorized for fee-bearing work.

National Nuclear Security Administration (NNSA) and EM incentives established under the contract are contained in the PEMP as attachments. The PEMP, incentive documents and revisions become part of the contract through contract modification.

NNSA works with DOE-SR to develop incentives for the site. Development, review and approval of incentives, and revisions, are managed through the program Head Contracting Activity; NNSA incentives are approved by the NNSA Program Administrator. The approved NNSA incentives are included as Attachment E.

#### 2. PEMP Integrated Project Team (IPT)

An Integrated Project Team (IPT) has been established in accordance with DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets. The team's charter defines specific roles and responsibilities of the IPT. IPT roles and responsibilities are further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan. Reference Attachment A, Integrated Project Team (IPT) Charter.

#### 3. The PEMP Process

The PEMP process for SRNS is based on fiscal year performance as identified in the contract. The PEMP process is further defined in Savannah River Implementing Procedure (SRIP) 412.1, *Performance Evaluation and Measurement Plan*.

#### 3.1 Incorporating DOE, EM and Site Mission

The Savannah River Site publishes a Strategic Plan in support of DOE-EM and NNSA missions. The Strategic Plan articulates site vision and missions to successfully execute current missions, including sustainability and revitalization of site assets.

During the past several years federal and contractor staff worked together to define performance measures for strategies in order to develop performance statements, metrics and milestones. As a result of this effort, EM, NNSA and site missions are tied to the contract statement of work.

Functional areas of the contract Statement of Work identify mission-critical outcomes. Outputs and measures define how work is performed in order to meet the outcomes. This framework is used to develop criteria in the Performance Incentive Document (PID).

#### 3.2 Performance Planning and modifications

The PEMP is developed with federal and contractor staff input. Both federal and contractor parties strive to reach mutual agreement on expected business, operational and technical performance and work together to develop incentives, descriptions and associated measures tied to contract level objectives, DOE strategic goals and program objectives. Incentives and their associated fee demonstrate direct flow down of DOE strategic goals and priorities.

EM and NNSA headquarters contracting authorities review and approve the PEMP and any change to an incentive's total amount of available fee. The Contracting Officer (CO) reserves the right to make unilateral decisions on all performance objectives and incentives (including the associated measures and targets) used to evaluate contractor performance, including any modifications.

The contract fee is split between EM and NNSA and the ratio is approximately a 55/45 split, making the EM fee \$25M annually. This EM fee amount is then further subdivided to each PBS based on funding, complexity and risk. EM Headquarters has given the DOE-SR Contracting Officer authority to manage contract fee, up to \$25M, thus any subsequent PEMP changes that occur at the PBS level are managed and approved by the DOE-SR CO.

The PEMP is developed and approved prior to the beginning of each evaluation period. Only the CO can change the PEMP. No changes will occur to the PEMP in the last 60 days of the evaluation period, unless with bilateral agreement between the CO and the contractor.

#### 3.3 Risk Management

DOE site management uses an integrated risk management process for the EM life cycle. This process provides programmatic risk analyses of work, establishes a process for identification and management of risks and integrates risk data from prime contractors, including SRNS.

The SRS integrated approach to risk management ensures project teams and management are involved in risk identification, grading, handling, impact determination, and integration. The process concludes with preparation of the Risk & Opportunity Analysis Reports (ROAR) and contingency estimates contained in the DOE-SR Federal Risk Management Plan (FRMP) [SRS Risk Summary and Integrated Contingency Analysis]. Each project ROAR provides a summary description of the integrated approach employed in the development of a project risk plan.

An assessment process is used to identify risks and opportunities associated with each project. The risks and opportunities are analyzed and strategies developed to ensure risks are managed to acceptable levels and opportunities are identified to improve the probability of successful completion of the project work scope. A detailed description of the methodology employed for the risk and opportunity assessment conducted by each of the Integrated Project Risk Teams appears in *Manual E11*, *Procedure 2.62 Project Risk and Opportunity Analysis*.

#### 3.4 Performance Incentive Document (PID)

A Fee Allocation Model is developed by the IPT and is illustrated in Attachment B. It is used to illustrate distribution of fee based on weighting of funding, priority and complexity.

The PID is used to measure site level incentive outcomes and acceptance documentation. A PID includes: A Performance Outcome statement, Contract Output performance statements, metrics, Completion Criteria, and Acceptance (documentation) Criteria. The PID is further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan.

#### 3.5 Other Incentives

Incentives negotiated as a result of the cost reduction process per SRNS-RP-2009-01188, SRNS Continuous Improvement System Implementation will be managed per SRNS Contract clause I.42, DEAR 970.5215-4, Cost Reduction, in conjunction with the SRNS Continuous Improvement Process.

The CO may mutually negotiate with the contractor additional available fee for additional work not covered by the available budget. The funds for such work and the associated available fee are funded through the contractor's efficiencies in accomplishing the

otherwise funded work. The additional work must be performed in a safe manner meeting all necessary requirements; and the performance of the additional work cannot affect the safe, proper performance of the otherwise funded work. Any additional work will be authorized in accordance with provision in the contract entitled, *Work Authorization System* and is considered above base scope. This additional work falls under the management of DOE O 412.1A, *Work Authorization System*.

Incentives created as a result of implementing the above contract clause and/or directive will be managed per separate contract requirements, and authorized through contract modification.

#### 4. Change Control

Performance incentives and fee allocation will not be changed unless there is a significant impact by a change to the scope of the contract, baseline or funding as directed by the government or government delay affecting the contractor's ability to achieve the stated performance incentives and measures in the PEMP. Any changes are subject to DEAR 970.5243-1, Changes, as provided in the contract and must be approved by the CO and Fee Determining Official (FDO).

- 1. All proposed changes to a PID will be discussed at scheduled Award-Fee Board /IPT meetings.
- 2. Following Fee Board/IPT discussion, the contractor will submit formal correspondence to the CO requesting the proposed change to the PID. The correspondence should include:
  - a. Any proposed change to the original incentive document
  - b. Proposed new incentives tied to the current Contract Performance Baseline (CPB)
  - c. Proposed fee allocation adjustment between current incentives and/or new incentives
  - d. Elimination of current incentives
- 3. Upon receiving correspondence from the contractor, the CO will consult the appropriate Assistant Manager/Office Director (AM/OD) and Subject Matter Expert to determine:
  - a. If the proposed change impacts the CPB
  - b. If the proposed change identifies new and/or unfunded scope
  - c. If the proposed change impacts multiple site organizations
- 4. If the proposed change *does not meet* any one of the above determinations, the CO will issue correspondence to the contractor approving such change to the PID that incorporates advice of the AM/OD and/or Subject Matter Expert.
- 5. If the proposed change *meets* any one of the above determinations, the CO will request the contractor develop and submit a Baseline Change Proposal (BCP) for review by the federal (site) configuration control board.
  - a. Following the recommendation of the federal configuration control board, the CO will issue correspondence to the contractor approving such change to the PID that incorporates the advice of the Fee Board.

<sup>&</sup>lt;sup>1</sup> Federal Acquisition Regulation (FAR) Subpart 16.401 requires an Award-Fee Board for conducting the award-fee evaluation.

- 6. The CO will issue a modification to the contract for any change to currently approved PID.
- 7. The CO may deny any proposed changes to the PID.

Action directed by CO correspondence is considered to be within scope of work of the existing contract. If the contractor considers that carrying out direction may increase contract costs or delay any delivery, the contractor shall promptly notify the CO orally, confirming and explaining the notification in writing as soon as possible, but within no more than five (5) working days. Following oral notification and submission of the written notice of impacts, the Contractor shall await further direction from the CO prior to implementing the action.

#### 5. Federal Oversight of Contractor Performance

Central to administration of the contract is assessment of contract performance. All federal employees performing assessments are expected to understand terms and conditions of the contract. In order to verify performance, a systematic process of assessment, analysis, documentation and feedback will be required. A range of assessment techniques from data/metric reviews and analysis, to review of self-assessments by the contractor, to formal multidisciplinary assessments will be employed. The assessments will be tailored based on the level of definition of the work requirements and complexity of the function.

Procedures for assessing contract performance are described in the SR Manual (SRM) 226.1.1D, Integrated Performance Assurance Manual. The intent of the oversight processes described in the manual is to assure contractor compliance with contract requirements, provide for timely identification and correction of deficient conditions, verify effectiveness of completed corrective actions, and pursue excellence through continued improvement. Additionally, the manual is intended to assist DOE in implementing the site contractor oversight system (a management framework of related processes to determine whether federal and contractor assurance programs are performing effectively and/or complying with DOE requirements).

The contractor oversight system is founded on an integrated safety management system (ISMS), emulating DOE P 450.4A, Safety Management System Policy. SRM 226.1.1D describes processes comprising the contractor oversight system, which enables DOE to: (1) clearly communicate requirements and expectations to contractors; (2) assess the quality, effectiveness, and efficiency of contractor assurance systems and resulting work products in complying with contract requirements; (3) effect continuous improvement in contractors' operations; and (4) enhance the effectiveness of DOE-SR oversight of contractor performance.

The contractor oversight system provides DOE site management information needed to make informed decisions regarding both contractor and DOE performance and to determine whether program corrections are necessary. Communicating requirements and expectations to the contractor is an essential component in the contractor oversight system. Requirements and expectations are communicated through the Statement of Work, special clauses, contract modifications, and through technical direction by the CO or representative.

SRM 226.1.1D provides detailed requirements for standardized scheduling, planning, conducting, reporting, and follow-up and closure activities for Type 1, 2, and 3 Assessments. Assessments are designed to provide managers with meaningful, accurate, and current information on the status of program compliance, productivity, and quality. Use of standardized assessment methods is a key feature of DOE site performance assurance.

#### 6. Performance Evaluation

The evaluation criteria of this plan are applicable at the contract level **and not** to individual projects or work objectives under the contract. As such, although this plan uses subjective evaluations to rate the contractor and determine the final amount of fee earned for overall contractor performance, objective measurements of contractor performance are included in the plan to support the FDO evaluation and articulate to the contractor what is expected to be achieved for program success during the evaluation period. The actual fee determination and the methodology for determining fee remain unilateral decisions made solely at the discretion of the Government, although the final fee determination is subject to the Disputes clause.

The contractor documents completion of incentives in the electronic Fee Invoicing System (FIS) and forwards documentation to the relevant DOE organization technical representative, who in turn will perform a verification of documentation to confirm output criterion has been met. This may also require an in-field validation. Validation of the work will be accepted, in accordance with the performance criteria, and documented in the DOE-SR STAR system and the FIS.

Upon verification, recommendation is forwarded through management to the Award-Fee Board. The Fee Board verifies documentation provided demonstrates satisfactory completion according to PID requirements through presentation by the AM/OD, including peer-level discussion. Fee recommendation to the FDO will be made according to the PID.

The contractor may perform self-assessment of their performance. The Fee Board will review any assessment provided by the contractor. If the Fee Board does not concur with the contractor's self-evaluation and recommendation, all such disagreements shall be expressed in a performance evaluation letter to the contractor. The contractor shall submit written comments and any supporting documentation to the Fee Board within five (5) working days of receiving the evaluation letter. Within ten (10) working days of receiving any contractor comments or reclama, the Fee Board shall provide the FDO a recommendation, including amount, rationale, and justification.

Disputes that occur during verification, and resolution is not forth coming between the contractor and the appropriate AM/OD, will be resolved by the Performance Fee Board during regularly scheduled meetings.

#### 7. Payment of Fee

Fee described herein is earned based upon the contractor's performance of the overall contract level requirement during the evaluation period. The contractor begins the evaluation period with 0% of the available fee and earns fee during the evaluation period. The potential for the

contractor to earn 100% of the fee amount is a mutual goal as it demonstrates the program's objectives were clearly communicated and achievable.

The contractor requests provisional fee payment by submitting an invoice. Following verification by the relevant AM/OD a recommendation is forwarded to the Award-Fee Board and FDO. The FDO determines fee payment, following Award-Fee Board review and recommendation. Determination of fee earned is the unilateral decision of the FDO.

The contractor will be advised in writing of the amount and basis of the performance incentive fee determination. Performance incentive fee not earned during the performance period will not be allocated to future performance periods. However, fee may be allocated to new performance-based incentives as developed by the IPT, as long as the completion of the newly developed incentive does not extend beyond the evaluation period.

Fee is considered provisional throughout the performance period. The FDO unilaterally determines the total fee awarded to the contractor. Fee may be reduced per contract Section B.9, DEAR 970.5215-3 Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (JAN 2004) ALTERNATE II [JAN 2004] [DEVIATION].

Contract clause H-33, PROVISIONAL PAYMENT OF INCENTIVE FEE, allows provisional payment of fee for partial completion of subjectively evaluated [subjective] incentives. The contractor may request up to 50% of the total fee available for each subjective incentive. If requests are monthly, the contractor must use a 1/12 divisor; if requests are quarterly, then 1/4 divisor; if semi-annual, then 1/2 divisor. Provisional fee is not considered earned fee, and is contingent upon a final fee determination by the FDO.

Total available fee amount earned payments are made by direct payment or withdrawn from funds advanced or available under the contract, as determined by the CO. The CO may offset against any such fee payment the amounts owed to the government by the contractor, including any amounts owed for disallowed costs under the contract. No base fee amount, or total available fee amount, payment may be withdrawn against the cleared payments financing arrangement without the prior written approval of the CO.

The contractor has developed an automated FIS that uses measurement data from each PID. The contractor works with DOE to identify appropriate DOE approvers. The system assigns responsibility to each output so that the routing process ensures appropriate review by federal and contractor staff. Time limits are assigned to each step to ensure smooth processing and timely approvals. The system notifies responsible approvers when the review / approval allotted time has been exceeded.

#### 8. Government Furnished Services/Items (GFS/I)

GFS/I are factored into the final fee determination for this incentive contract. GFS/I are identified in the Basis of Estimates (BOE) found in WBS dictionaries for specific tasks. The purpose of the GFS/I are to identify inherent government responsibilities that may pose some level of risk to the contractor in completing incentives. GFS/I are the burden of the government,

mutually accepted as part of the performance agreement. If the Government fails to achieve GFS/I equitable adjustment may be made specific to the incentive. These adjustments, however, cannot exceed the maximum available fee for the specific incentive.

#### 9. Reporting Requirements

The contract requires each report must be accompanied by a letter or other document which:

- Identifies the contract number under which the item is being delivered; and
- Identifies the contract requirement or other instruction which requires the delivered item(s).

The contractor is responsible for maintaining all records and controlled documents related to the PEMP per DOE O 200.1A, *Information Management Program*, and DOE Order 243.1, *Records Management Program*.

# Attachment A, Integrated Project Team (IPT) Charter

# INTEGRATED PROJECT TEAM (IPT) CHARTER

IPT NAME:

PEMP Integrated Project Team (IPT)

LEVEL OF IPT:

Savannah River Operations Office, Deputy Manager

# **IPT MISSION/OBJECTIVES**

The IPT provides site senior federal management a process for evaluating and measuring performance tied to strategic goals. This charter defines roles, responsibilities, authorities and accountabilities for this process. The mission of the IPT is to enable performance and help avoid potential barriers to success.

The Deputy Manager is the DOE-SR Executive Sponsor of the IPT and Fee Board Lead. The IPT is comprised of federal and contractor employees. Federal members include the CO, Performance Incentive Managers, Technical Leads, NNSA SRSO Manager and NNSA NA-262. Contractor members include Management and Operations (M&O) Vice President for Business Services, SRNS Director of Contracts, and Technical Leads. The IPT is augmented as necessary with Subject Matter Experts and matrix support personnel (both federal and contractor) who possess specific competencies, skills and expertise required for successful execution of projects.

The CO has authority to make final decisions on all performance objectives and incentives (including associated measures and targets) used to evaluate Contractor performance, in accordance with the Contract, Section H-28 (b). The DOE-SR Site Manager is an ex officio member of the IPT. The Site Manager is the FDO.

#### SCOPE OF IPT RESPONSIBILITIES

#### IPT Executive Sponsor/ Fee Board Lead

The IPT Executive Sponsor also serves as the senior federal member of the Fee Board. The IPT Executive Sponsor is the federal official responsible for project success. In accordance with DOE O 413.3B, the IPT Executive Sponsor is responsible for the following:

- Charter and lead the IPT
- Schedule and hold IPT meetings
- Request support from DOE functional resources as required to resolve issues
- Lead Fee Board assessment and discussion of contractor performance
- Identify and resolve critical issues

#### **IPT Members**

Contract No. DE-AC09-08SR22470 Modification No. 423 Revision 2

IPT members are responsible for supporting the Executive Sponsor with technical and project management responsibilities during project execution. Members conduct and/or coordinate activities for their respective organizational element or functional area of responsibility. IPT members are responsible for the following:

- Ensure interfaces are identified, defined, and documented
- Review and assess performance and project status against parameters, baselines, milestones, and deliverables
- Support the IPT Executive Sponsor
- Review and comment on deliverables

The names of IPT members listed below are current as of the issue date of this charter. Names or functional responsibilities may change at the discretion of the IPT Executive Sponsor without having to modify or update this charter. The Table identifies IPT members, Fee Board members, and Technical Leads.

# Award-Fee Board Organization

The Fee Board is a subset of the IPT. The Fee Board is comprised of federal IPT members. Fee Board members discuss proposed revisions to PID and incentive documentation, review supporting documentation for fee payment determination, and make recommendations to the FDO via the Fee Board Lead.

The Fee Board is responsible for assuring quality assessments have been completed for feebearing work, and that the assessment has been formally documented per site directives before recommending payment of fee to the FDO.

# Fee Board Rules of Conduct

# Call to Order:

The IPT Executive Sponsor, acting as Fee Board Lead, will call the Fee Board portion of the meeting to order following dismissal of all non-federal IPT members.

# Fee Board presentation:

The Fee Board Lead will open the floor for federal staff to discuss IPT presentations regarding matters such as proposed revisions to PID, supporting documentation for fee payments, or general discussion of performance. The Performance Incentive Manager leads the presentation related to his/her PID. Other Fee Board members may discuss the presentation and make recommendations to the Performance Incentive Manager.

## Fee Board determinations:

Following Fee Board presentations, or if there are none, the Fee Board Lead will lead an informal review and discussion of completed fee-bearing work that is being considered for invoicing, including supporting documentation for fee payment determination. Performance Incentive Managers, or their designee, are responsible for discussing completion documentation and evaluation of performance of the fee-bearing work.

Following discussion, Fee Board members make a motion to:

- Accept the recommendation of the Performance Incentive Manager for the incentive as described in the invoice;
- Accept the recommendation of the Performance Incentive Manager, but request additional documentation be added to document satisfactory completion of the incentive as described in the invoice;
- Require additional documentation in order to recommend a determination.
- Require federal manager attend next scheduled Fee Board to discuss adequate documentation in order to recommend a determination.

Fee Board members may support, or second, the motion and provide discussion. No quorum is required for the Fee Board meeting. The Fee Board Lead, observing no objections, shall accept the motion with Manager NNSA SRSO, or designee, concurrence.

NAME	FUNCTION	ORGANIZATION
MOODY, Dave	IPT Member [ex officio] DOE Fee Determining Official [FDO]	DOE-SR Site Manager
SMITH, T. Zack	IPT Executive Sponsor/Co-Fee Board Lead	DOE-SR Deputy Manager
HINTZE, Doug	IPT/Co-Fee Board Lead/Performance Incentive Manager	Assistant Manager for Mission Support (AMMS)
MCGUIRE, Pat	IPT/ Performance Incentive Manager	Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)
SPEARS, Terry	IPT /Performance Incentive Manager	Assistant Manager for Waste Disposition Project (AMWDP)
ADAMS, Angelia	IPT/ Performance Incentive Manager	Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)(acting)
HOOKER, Karen	IPT/ Performance Incentive Manager	Director, Office of Laboratory Oversight (OLO)
DEAROLPH, Douglas	IPT/Fee Board Member/Performance Incentive Manager	Manager NNSA SRSO

CLARK, William	IPT/ Performance Incentive Manager	Manager NNSA NA-262
LOVETT, James	IPT Member [ex officio] Fee Board Member	Contracting Officer M&O Contract
DAVIS, Peggy	IPT Member	Vice President SRNS Support Services
TEMPLE, John	IPT Member	Director SRNS Contracts Management
CHRISTIAN, John	DOE IPT Technical Lead	Program Analyst for Mission Planning Division
PENNINGTON, Michele	SRNS IPT Technical Lead	SRNS Contracts Management

# Attachment B, Fee Allocation Model

# **Funding Assumptions for Fee Allocation**

Funding for fiscal year 2014 represents targets SRNS will use in the FY14-18 Baseline Update, with DOE-SR concurrence. These funding targets reflect a "reasonable" program that is regulatory compliant. Any changes to these funding targets will require analyses to determine impacts at the Contract Output level.

# Fee Allocation (based on current funding assumptions)

Funding comes from EM Project Baseline Summaries (PBS) and NNSA funds. Funds are divided into two categories: contract scope cost is directly funded (direct). Scope cost for support activities funded indirectly by placing a tax on individual funds. See table below for FY14 estimated funding:

Est. Funding	Funding Source:			
\$254,992,000	PBS 11C			
43,130,000	PBS 12			
50,137,000	PBS 13			
51,809,000	PBS 30			
23,339,000	PBS 20 (EM Safeguards & Security)			
\$423,407,000	Total EM Funding			
101,528,000	Nuclear Nonproliferation Funding			
239,460,000	Defense Programs Funding			
12,868,000	NNSA Safeguards & Security			
\$777,263,000	Total Projected Funding without Minors and WFO [NOTE: This does not include ESS/Legacy pension support to SRR (PBS 14C)]			

The M&O contract identifies \$46,535,000 available fee for the contract period (October 2013 through September 2014). When the fee is subtracted from the Total Projected Funding, the fee base in entire fiscal year 2014 becomes \$730,728,000.

For fiscal year 2014, EM provides 55 percent of the Total Projected Funding, while NNSA provides 45 percent. This percentage is used to allocate the contract fee between EM and NNSA. For fiscal year 2014, EM will manage \$25M of fee applied to incentive work for the evaluation period. NNSA will manage \$21M of fee applied to incentive work for the evaluation period.

Performance Incentive Documents in Attachment C (EM) and Attachment D (NNSA) were developed based on the current President's budget for fiscal year 2014, adjusted by DOE-SR. Work described is based on the current contract. Actual performance of contract outputs may be revised based on an approved fiscal year budget, continuing resolution, program execution

guidance, and/or available funding. All work is performed within existing financial agreements and authorization.

EM Fee is distributed based on the projected funding as indicated below:

PBS	President's Budget	Fee Distribution
PBS 11C	\$254,992,000	\$15,267,000
PBS 12	\$43,130,000	\$2,582,000
PBS 13	\$50,137,000	\$3,002,000
PBS 30	\$51,809,000	\$3,102,000
PBS 20	\$23,339,000	\$1,397,000
EM Funding / Fee	\$423,407,000	\$25,350,000

The following is the DOE-SR EM suggested incentives summary by program for the fiscal year 2014 performance period:

Program	Objective	Subjective	Total
Nuclear Material Stabilization (AMNMSP)	\$8,800,000		\$8,800,000
Environmental Stewardship (AMIES)	\$3,490,000		\$3,490,000
Waste Disposition (AMWPD)	\$1,800,000		\$1,800,000
Landlord Services (Includes: SRNL, Planning, Infrastructure, Landlord Services, Safety, Safeguards & Security, ESSH)	\$6,260,000	\$5,000,000	\$11,260,000
Total	\$20,350,000	\$5,000,000	\$25,350,000

# Attachment C, EM Performance Incentive Documents for fiscal year 2014



# Performance Incentive Document

PID Number:	SRNS2014EMO		
Activity Name:	Environmental Management Operations		
WBS Number:	1.29.20.04, 1.29.20.05		
Performance Period:	October 1, 2013 - September 30, 2014		
Allocated Fee:	\$8,800,000		
Revision Number:	1		
Senior level manager/Perfo	ormance Incentive	Pat McGuire	
Manager:		Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)	
Senior technical advisor:		Allen Gunter	

# **Contract Performance Outcome:**

Receive, store, ship, and disposition nuclear materials in a safe, and secure manner. Operate and maintain the H Canyon Complex to support disposition of nuclear materials. Receive Foreign Research Reactor (FRR) and Domestic Research Reactor (DRR) used nuclear fuel (UNF) in L Basin in coordination with the NNSA Nuclear Nonproliferation Program and other applicable DOE programs. Expand KAC capacity with construction of the Final Storage Vault and expand capabilities with implementation of planning activities for WIPP blending while maintaining DOE-STD-3013 DE surveillances. Implement risk reduction actions at 235-F and reduce F-Area costs.

#### Contract Output SRNS2014EMO-01:

Receive, characterize, and disposition materials in H-Area.

# Description/Background/Justification:

Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include:

maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials.

# Up to \$3,900,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$200,000	Ship one LEU trailer to Areva for TVA contract.
EMO-1.01		Ì	

#### Acceptance Criteria

DOE-SR will validate the LEU shipment via the MC&A Form 741 transfer documentation for the one LEU shipment. GFSI: Vendor must be ready to receive trailers by 7/1/14.

Number	Date	Fee	Co	ntract Output Completion Criteria:
SRNS2014	6/30/14	a.\$300,000	a.	Complete SRE charging and dissolution.
EMO-1.02	9/30/14	b.\$200,000	b.	Transfer SRE to a sludge batch.

# **Acceptance Criteria**

DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.03	9/30/14	\$500,000; \$125,000 fee paid each	Charge two bundles of UNF or Pu to the H Canyon dissolver or probe the dissolver twice per shift crew per quarter to maintain proficiency.
		quarter.	

# **Acceptance Criteria**

DOE-SR will review H Canyon dissolver probing procedure 221-H-1987 or actual dissolver charging procedure to ensure a minimum of two actual UNF or Pu bundles or two dissolver probings were completed for each shift each quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000;	Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run or actual hot
EMO-1.04		\$125,000	ops to address equipment operability and maintain
		fee paid	operator proficiency. (Due to Liquid Waste Min.,
		each	only two 1 <sup>st</sup> Cycle and two 2 <sup>nd</sup> Cycle Cold Runs per
		quarter.	year.

# **Acceptance Criteria**

DOE-SR will review the completed quarterly Cold Run Operations start-up and shut-down procedures and summary data sheets for the one cold run performed for that quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Prepare and issue a revised H Canyon Resumption
EMO-1.05			Plan each quarter.

# **Acceptance Criteria**

DOE-SR will review the SRNS issued quarterly H Canyon Resumption Plan to ensure appropriate elements.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000	Dissolve one batch of Pu (approximately 20 kgs).

EMO-1.06			
Acceptance	Criteria		
		solving proced	ures or MC&A signed data sheet.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	a.\$150,000	a. Implement Waste Min. action to revise the
EMO-1.07	(a and b)		sump flush program to track transfers.
		b.\$150,000	b. Implement Waste Min. action to recycle HB-
	Ì		Line column waste for use in 6.4D.
	9/30/14	c.\$150,000	c. Implement Waste Min. action to improve
	(c and d)		neutralization formula for WAC
			implementation.
	1	d.\$150,000	d. Implement Waste Min. action to refine LAW
			operation and acid stripping process.
Acceptance	Criteria		
DOE-SR wil	l review the	implemented :	Liquid Waste Minimization actions by procedure or
document re		-	•
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	a.\$500,000	a. Complete HFIR planning preps with the
EMO-1.08	}	1	exception of the H Canyon NCSE/DSA
			revision, flowsheet, hydrogen generation study
	1		dissolver insert and storage rack design,
			fabrication, and installation that may not be
	· ·		
	6/30/14	b.\$100.000	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C"
	6/30/14	b.\$100,000	completed if funding/staffing is limited. b. Perform evaluation of attractiveness level "C"
Acceptance		b.\$100,000	completed if funding/staffing is limited.
Acceptance DOE-SR wi	Criteria		completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.
DOE-SR wi	Criteria Il review the		completed if funding/staffing is limited. b. Perform evaluation of attractiveness level "C"
DOE-SR wi	Criteria Il review the	completed HF	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of
DOE-SR wi	Criteria Il review the s level "C"	completed HF UNF material.	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria:
DOE-SR will attractivenes Number	Criteria Il review the s level "C" I	completed HF	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria:  Complete Canadian Liquid unloading and piping
DOE-SR wi attractivenes Number SRNS2014 EMO-1.09	Criteria Il review the s level "C" I  Date  9/30/14	completed HF UNF material.	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria:
DOE-SR wi attractivenes Number SRNS2014 EMO-1.09 Acceptance	Criteria Il review the s level "C" I  Date 9/30/14  Criteria	completed HF UNF material. Fee \$250,000	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria:  Complete Canadian Liquid unloading and piping
DOE-SR wi attractivenes Number SRNS2014 EMO-1.09 Acceptance	Criteria Il review the s level "C" I  Date 9/30/14  Criteria	completed HF UNF material. Fee \$250,000	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria: Complete Canadian Liquid unloading and piping Design.  iquid unloading and piping design documents.
DOE-SR wi attractivenes Number SRNS2014 EMO-1.09 Acceptance DOE-SR wi	Criteria Il review the s level "C" I  Date 9/30/14  Criteria Il review Can	completed HFUNF material. Fee \$250,000	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria: Complete Canadian Liquid unloading and piping Design.  iquid unloading and piping design documents.  Contract Output Completion Criteria:
DOE-SR wi attractivenes Number SRNS2014 EMO-1.09 Acceptance DOE-SR wi	Criteria Il review the s level "C" I Date 9/30/14 Criteria Il review Car	completed HF UNF material. Fee \$250,000	completed if funding/staffing is limited.  b. Perform evaluation of attractiveness level "C" UNF material for H-Canyon dissolution.  FIR planning preps and the completed evaluation of  Contract Output Completion Criteria: Complete Canadian Liquid unloading and piping Design.  iquid unloading and piping design documents.

# Contract Output SRNS2014EMO-02:

Receive, store, characterize and disposition surplus plutonium and uranium materials in K Area.

# Description/Background/Justification:

K Area will continue to perform surveillance of the DOE-STD-3013 containers in storage. K Area will continue to receive and store containers of surplus plutonium and uranium from off-site. K Area facilities will initiate the planning to allow disposition of surplus plutonium oxide for future transfer to WIPP. K Area will continue with construction of Final Storage Vault.

# Up to \$2,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.01	9/30/14	\$500,000; \$125,000 paid quarterly.	Prepare, receive, and store containers of surplus plutonium and uranium from LANL in K Area in accordance with the schedule maintained by DOE-SR.

# **Acceptance Criteria**

DOE-SR will review SOP-PHS-001-K to verify receipts to KAC or review operator and FLMs MSA qualifications to verify facility is ready to receive.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$225,000;	Complete 9 Destructive Evaluation (DE)
EMO-2.02		\$25,000 per	Surveillances on DOE-STD-3013 Storage
		can,	Containers.
		invoiced	
		quarterly.	

# Acceptance Criteria

DOE-SR will review K-Area Interim Surveillance Log Sheet (FRM-CSS-002-K or equivalent) and the Surveillance Program Authority (SPA) Data Set 1 parameters for the DE sample.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$100,000	K Area will submit to DOE the SRNS approved
EMO-2.03			DSA/TSR supporting Final Storage Vault (FSV).

# Acceptance Criteria

DOE-SR will review the SRNS approved DSA/TSR supporting FSV.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	8/31/14	\$250,000	Complete Final Storage Vault (FSV) project
EMO-2.04			construction.

#### **Acceptance Criteria**

DOE-SR will review the completed FSV construction project documents.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$500,000	Complete Readiness Assessment on DSA Rev.
EMO-2.05			10/TSR Rev. 41 to expand K Area capabilities.

DOE-SR will observe RA activities as desired and review the RA declaration of readiness.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.06	9/30/14	1 ' '	K Area will perform Pu measurements on 20 different cans.
		can.	

## **Acceptance Criteria**

DOE-SR will review the non-destructive analysis measurement form.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$125,000	Support IAEA Inventory Inspections.
EMO-2.07			

# Acceptance Criteria

DOE-SR will validate that KAC personnel provided adequate preparation and support during the IAEA Inventory inspections.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.08	9/30/14	\$100,000	Replace the Final Storage Vault roof at either the +34 or the +48 level depending on roofer's evaluation.

#### **Acceptance Criteria**

DOE-SR will review the roofing subcontractors completion document or the 8Q-51 safety walkdown (OSR 20-22) completed by SRNS.

# **Contract Output SRNS2014EMO-03:**

Reduce risks at 235-F and improve F-Area infrastructure.

# Description/Background/Justification:

This contract output supports innovative and cost effective means to implement the 235-F risk reduction Implementation Plan actions while reducing costs to the F-Area baseline.

# Up to \$1,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.01	3/30/14	\$100,000	Revise F-Canyon Complex Surveillance and Maintenance (S&M) Plan to allow transition to
		<u> </u>	reduced S&M.
Acceptance	Criteria		

DOE-SR will review th	e revised SRNS approved	ed F-Canyon Complex S&M Plar	1.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.02	6/30/14 9/30/14	<ul><li>a. \$50,000</li><li>b. \$50,000</li></ul>	<ul> <li>a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.</li> <li>b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, issue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.</li> </ul>

DOE-SR will review the SRNS approved feasibility study for a single 292-F exhaust fan supported by a single 254-13F "SS" diesel generator and the design to support the implementation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$50,000	Determine the feasibility of stopping water
EMO-3.03			intrusion to 221-F RR Tunnel and 800
			Underground Cell.

# Acceptance Criteria

DOE-SR will review the SRNS approved water intrusion feasibility.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014			Deleted in Rev 1.
EMO-3.04			
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.05	9/30/14	\$650,000; paid at completion of each action item as noted.	SRNS will complete the following 235-F Risk Reduction Actions and provide to DOE approximately 30 days before the DOE IP commitment date as noted in the "Date" column: a. Deliver the Graded EP Drill Report (Action 3- 4). (\$50,000) b. Complete a Readiness Assessment for the Deactivation BIO and submit RA Report (Action 1-4). (\$100,000) c. Complete removal, isolation, or encapsulation of Fixed Combustibles and provide a final report to DOE (Action 2a-3). (\$150,000) d. Complete Electrical De-energization scope and provide a final report to DOE (Action2b-2). (\$150,000) e. Complete installation and acceptance of the FDAS and provide a final report to DOE
1			(Action 2c-3). (\$150,000)  f. Complete planned cell infrastructure tasks and

		report completion (	(Action 1-3).	(\$50,000)
r	4 0 4	 		

DOE-SR will review the SRNS approved and completed 235-F IP actions.

# **Contract Output SRNS2014EMO-04:**

Receive, unload, and store Used Nuclear Fuel (UNF) in L Area.

## Description/Background/Justification:

L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmenting Monitoring and Condition support to maintain the facilities in a safe and operable condition.

# Up to \$2,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.01	9/30/14	\$500,000; \$125,000 paid	Receive and unload FRR/DRR fuel per schedule.
		quarterly	

# **Acceptance Criteria**

DOE-SR will review Cask Data Sheets for casks received and unloaded against the Receipt and Unloading Schedule Agreement. During quarters that fuel is not received, documentation will be provided for review showing readiness to receive was maintained.

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014	9/30/14	\$500,000	Complete UNF Preps for HFIR readiness with the
EMO-4.02			exception of the L-Area DSA, OSA-7 and the new cask insert (if required) which are dependent on
			funding and staffing.

#### **Acceptance Criteria**

DOE-SR will review the HFIR planning preps were completed with the exception of the L-Area DSA, OSA-7 and new cask insert (if required).

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014 EMO-4.03	6/30/14	\$500,000	Complete the removal of "cob webs" from the basin.

# **Acceptance Criteria**

DOE-SR will observe the basin vacuuming activities or observe the basin following the completion of corrective actions to remove the "cob webs".

Number	Date	Fee	Contract Output Completion Criteria:
SRSN2014	9/30/14	\$500,000	Complete NRU/NRX interim schedule milestone.

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EMO-4.04						
Acceptance	Criteria					
DOE-SR will validate that the NRU/NRX interim milestone was completed on schedule.						
			-			



# Performance Incentive Document

PID Number:	SRNS2014SW		
Activity Name:	Solid Waste		
WBS Number:	1.29.32.25		
Performance Period: October 1, 2013 –		September 30, 2014	
Allocated Fee:	\$1,800,000		
Revision Number: 0		6	
Senior level manager/Perfo	ormance Incentive	Terry Spears	
Manager:		Assistant Manager for Waste Disposition Project (AMWDP)	
Senior level supervisor/div	vision manager:	Jim Folk	

# **Contract Performance Outcome:**

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall ensure that the handling, treatment, storage, transportation and disposal of the remaining "legacy" and the newly generated solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

The Contractor shall manage and integrate site-wide solid waste recycling, treatment, storage, disposal and transportation activities and implement waste minimization/pollution prevention initiatives. The Contractor shall also provide on-site/off-site waste generators with technical support and verification of compliance with waste acceptance criteria, including Safety Basis and Performance Assessment objectives.

## Contract Output: SRNS2014SW-01

There are two areas of primary focus taken from the Contract Performance Outcome: 1) ensure the transportation, handling, storage, and disposal of low level waste is environmentally sound, cost effective, and in compliance with DOE Directives, applicable regulations, and requirements; and 2) continued disposal of legacy TRU waste.

# Description/Background/Justification:

Timely disposal of LLW will facilitate waste generators' normal operations, prevent potential spread of contamination, ensure regulatory compliance, reduce the need for waste storage space, maximize labor resource utilization and reduce the overall cost of SRS waste management. DOE Order 435.1 drives the timely disposal of wastes generated at DOE sites. The ARRA program remediated and repackaged legacy TRU wastes into WIPP compliant packaging. This waste has been WIPP certified or was identified as LLW and is awaiting disposal. Disposal of the legacy TRU is also a high priority for the State of South Carolina.

# Up to \$1,800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.01	9/30/14	\$800,000; \$200,000 per quarter	LLW will be disposed in a timely manner such that in-storage time will be < 3 months in duration.  Exceptions may be approved by DOE upon request.

# **Acceptance Criteria**

DOE will perform validation by reviewing, on a quarterly basis, the time in storage for the LLW not permanently disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.02	6/30/14	\$400,000	TRU – Complete disposal of all legacy TRU packaged in SLB2s via TRUPACT-III shipments. Assumptions for this incentive include: 4 shipments per week; 6 week WIPP shipping outage and various non-shipping holidays during the period of performance.

#### **Acceptance Criteria**

DOE will perform validation by reviewing the remaining legacy TRU inventory and assuring that all of the SLB2s have been disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000	Complete disposal of all legacy, contact handled,
SW-1.03			TRU waste at the WIPP Site. This includes all
			LLW and MLLW re-characterized from the TRU
			legacy program. This incentive assumes that DOE-
			CBFO will continue to fund characterization and
			shipping and provide adequate shipments. SRNS
			will work a 40 hour work week. Containers
			WMPSLB022C, WMPSLB018B, SR21524413,
		1	and SR21524414 are excluded.

# Acceptance Criteria

DOE will perform validation by reviewing Waste Inventory Tracking System (WITS) reports and documented legacy waste identified in the "Original Volume Tracking" Excel spreadsheet.

SW-1.04	A closure plan for TRU Pad 16 and modifications to the TRU Pad Volume of the Site RCRA Permit will be submitted to DOE-SR in support of submittal to SC-DHEC. The modifications will include reduction of prescriptive wording (e.g. requirement to be radiologically non-contaminated) and provide a sound technical rational for both the modifications and the closure plan.

DOE will perform validation by accepting the closure plan and proposed permit modification.



# Performance Incentive Document

PID Number:	SRNS2014ACP		
Activity Name:	Area Completion Project		
WBS Number:	1.29.32.01, 1.29.3 1.29.32.06	2.02, 1.29.32.03, 1.29.32.04, 1.29.32.05,	
Performance Period:	October 1, 2013 – September 30, 2014		
Allocated Fee:	\$3,490,000		
Revision Number:	0		
Senior level manager/Performance Incentive Manager:		Karen Guevara Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)	
Senior level supervisor/division manager:		Angelia Adams	

#### **Contract Performance Outcome:**

Meet all regulatory commitments, develop and implement alternative long range strategies, technologies and approaches in the refinement of the Area Completion Strategy and long-term stewardship.

# Contract Output SRNS2014ACP-01:

Meet all FFA Milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments due between October 1, 2013, and September 30, 2014, as described in the Federal Facility Agreement for the Savannah River Site (Administrative Document # 89-05-FF) and the SRS RCRA Part A & B Permits (SC 1890 008 089) to meet the Area Completion Strategy.

#### Description/Background/Justification:

Full compliance with all Area Completion Project FFA milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments will allow SRS to meet regulatory requirements that will meet the Area Completion Strategy to clean up the SRS and reduce the Site footprint. Establishing regulatory commitments and milestones is the most direct way for the regulators and stakeholders to measure the progress of DOE EM cleanup activities at SRS. The regulatory and stakeholder support of the SRS depends on continued full regulatory compliance and achievement of commitments and milestones.

# Up to \$2,500,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.01			milestones are achieved from October 1, 2013,
			through March 31, 2014.

### Acceptance Criteria

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.02			milestones are achieved from April 1, 2014,
			through September 30, 2014.

#### Acceptance Criteria

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

#### Contract Output: SRNS2014ACP-02:

Evaluate additional EC & ACP groundwater sampling and reporting activities to identify opportunities to reduce costs within PBS-30 and ESS.

#### Description/Background/Justification:

In FY 2012, DOE-SR incentivized the development of a comprehensive Groundwater Monitoring and Reporting Optimization Plan and Report (SRNS2012ACP-02) that identified opportunities for optimization of monitoring networks and reductions in the long-term costs of groundwater monitoring at units where mature and established groundwater programs were underway. In 2013, DOE incentivized SRNS to negotiate and implement optimization activities consistent with the plan (SRNS2013 ES-12.01 and 12.02).

This Phase II proposal is to develop a similar Groundwater Monitoring and Report Optimization Plan that will focus on the remaining groundwater units that were not included in Phase 1 because they did not have a mature established monitoring program under RCRA/CERCLA or because they are associated with regulatory programs other than RCRA and CERCLA, such as Underground Storage Tanks, Landfills and the Clean Water Act.

# Up to \$500,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.01	2/28/14	\$250,000	Prepare and provide to DOE ACP a Groundwater Optimization Plan by 2/28/14.

#### Acceptance Criteria

SRNS –EC & ACP will provide a Phase II Groundwater Monitoring and Reporting Optimization Plan that will provide for identification and documentation of opportunities for groundwater optimization of monitoring networks/reporting and reductions in the long-term costs of groundwater monitoring for groundwater units, that was not included in the Phase I Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.02	9/30/14	\$250,000	Prepare and provide to DOE ACP a report documenting the groundwater monitoring and reporting optimization opportunities.

#### Acceptance Criteria

SRNS will provide a report outlining the results of the groundwater monitoring evaluation to DOE and DOE will approve. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

#### Contract Output SRNS2014ACP-03 (Deferred from FY 13):

Automate environmental field and analytical data to automatically generate routine reports and improve reporting capability. Program and deploy electronic field devices to replace the use of paper logbooks to improve quality of field data collection. Program data collection system to automatically generate routine reports to improve speed and overall accuracy of data reporting.

#### Description/Background/Justification:

DOE SR is obligated to collect, manage, maintain and report environmental data to meet requirements of DOE Orders and environmental regulations and statutes, including DOE Order 458.1, Radiation Protection of the Public and Environment and RCRA, CAA, CWA, and CERCLA.

The Environmental Restoration Data Management System (ERDMS) is used to manage environmental monitoring data. This system requires extensive manual data review and tracking of data generating reports of varying quality. Also, field monitoring results are collected in paper logbooks and collection accuracy is highly dependent on minimizing human error. Routine reports are generated with a high level of human involvement.

Up to \$390,000	d of the allocated fee	will be paid for	this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$150,000	Program and deploy handheld devices to transfer
ACP-3.01			monitoring data directly into ERDMS.

EC & ACP will demonstrate and will document the use and effectiveness of electronic handheld devices to collect field information and data transfer into ERDMS vs. the use of paper field logbooks for effluent monitoring and environmental surveillance programs.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$240,000	Modify ERDMS to automatically generate routine
ACP-3.02			monitoring reports.

## **Acceptance Criteria**

EC & ACP will demonstrate and document the development and implementation of program to generate automated environmental reports, such as the Monthly Discharge Monitoring Reports, the Monthly Radiological Releases Reports, the Wildlife Hunt Reports, and the Weekly and the Quarterly Tritium Reports by reviewing the reports for completeness, accuracy and compliance with reporting deadlines.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

# **Contract Output SRNS2014ACP-04:**

Complete characterization of Building 690-N to support future Deactivation and Decommissioning.

# Description/Background/Justification:

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Building 690-N (Ford Building) is a high risk facility with significant radiological and PCB contamination. The facility is deteriorating and requires frequent maintenance to mitigate the spread of existing contamination. A Decommissioning Plan was completed and submitted to DOE in FY 13 (Contract Output SRNS2013ES-16.01) that included recommendations for characterization to quantify the nature and extent of contamination and condition to support future D&D of the facility.

The Ford Building is a steel frame/siding structure constructed in the early 1950s to test motor control packages for the R, P, L, K and C Reactors. In the 1960s, the structure was modified to support the repair and rework of Reactor heat exchangers. Key facilities and/or structures associated with 690-N include:

- 652-44N electrical substation and fuel oil containment dike (provided electricity and fuel oil for heating to the building),
- Deionizer trailer (used to remove radiological contaminates from Reactor disassembly basin water), and
- Transport trailer (utilized to haul heavy loads between Reactor areas and stored adjacent to the 690-N Building).

PCB-contaminated oils were used in milling/lathe operations for heat exchanger repair in 690-N (Ford Building). In 1997, these PCB-contaminated oils were found to have contaminated equipment and the floor in the building. An initial clean-up was performed and the residual contamination was encapsulated with a floor coating in 1998. Inspections conducted since 1998 continue to reveal areas where PCB-contaminated oil has migrated up through the floor coating, necessitating regular maintenance and reapplication of the coating material. The extent of PCB contamination below the 690-N Building is undetermined. The Deionizer trailer is not thoroughly characterized, but is assumed to contain lead and high levels of radiological contamination based on the conditions of trailers used for similar purposes at the SRS.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	8/31/2014	\$100,000	Complete characterization of the 690-N Ford
ACP-4.01			Building and its ancillary equipment and facilities
			(652-44N, Deionizer and Transport Trailers).

#### **Acceptance Criteria**

EC & ACP will complete and document characterization completion of Building 690-N and its ancillary equipment and facilities. The result are needed to support future deactivation and decommissioning and removal/remedial action(s)

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.



# Performance Incentive Document

PID Number:	SRNS2014SRNL		
Activity Name:	Savannah River National Laboratory (SRNL)		
WBS Number:	Numerous		
Performance Period:	October 1, 2013 –	September 30, 2014	
Allocated Fee:	\$4,750,000		
Revision Number:	1		
Senior level manager/Performance Incentive Manager:		Karen Hooker Director, Office of Laboratory Oversight Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)	
Senior technical advisor:		Patrick Jackson Jay Ray	

# **Contract Performance Outcome:**

SRNL's three-fold mission is to enable the success of SRS and the Office of Environmental Management (EM) operations and projects, to provide technical leadership for future site missions, and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government. The vision for SRNL is to be the nations' premier laboratory in Environmental Management, National & Homeland Security, and Energy Security (Source: SRNS Contract).

# Contract Output: SRNS2014SRNL-01 (Pat McGuire)

Deliver Disposition Paths for Nuclear Material.

# Description/Background/Justification:

SRS's unique facilities and capabilities enable it to support consolidation and processing of nuclear materials from other DOE facilities as well as other U.S. and foreign sources. This is important for reducing nuclear and proliferation threats, avoiding the additional costs of protecting materials at multiple sites and enabling closure of other facilities that are no longer needed.

The Site will continue to safely and securely store nuclear materials (plutonium, enriched uranium, used nuclear fuel, and other nuclear materials) pending disposition to meet commitments to the State of South Carolina.

#### Plutonium

SRS has been placed in a lead role by DOE to dispose of plutonium from the cleanup of weapons facilities throughout the DOE Complex.

Plutonium from the cleanup of weapons facilities (non-pit plutonium) has been primarily consolidated at SRS where, depending on future decisions, it is planned to be disposed of by a variety of alternative means including;

- Packaging (including blending as needed) and shipping to the Waste Isolation Pilot Plant (WIPP) in New Mexico
- Converting to reusable nuclear fuel by dissolving Pu in H Canyon, converting to Pu Oxide in HB-Line for future processing at MOX

# **Highly Enriched Uranium**

SRS has the capability to support the DOE complex-wide effort to down blend excess HEU to a more useable and less proliferable low enriched uranium (LEU) enrichment. The LEU is provided to a commercial fuel vendor. The vendor uses the LEU to manufacture commercial nuclear fuel for use in commercial reactors for the generation of electricity. Additional LEU commitments from the processing of Used Nuclear Fuel (UNF) will be made to TVA. Receipt of Canadian Liquid Uranium is another source to meet LEU deliveries.

#### **Used (Spent) Nuclear Fuel**

SRS supports the nation's nonproliferation goals by receiving U.S. owned/loaned HEU fuel from foreign countries. The UNF is safely being stored in L Basin pending disposition.

SRNL provides technical support and consultation for this mission.

# Up to \$650,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$225,000	Provide technical support to Nuclear Materials
SRNL-1.01			for the Plutonium Surveillance Program including
			3013 Destructive Examination (DE) program, and continuation of plutonium shelf life corrosion studies and 9975 life extension testing.
			a. Complete FY14 data set 2 analyses for # DE packages.
			b. Complete unloading of Series 3 of shelf life

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	c.	studies. Complete FY14 annual report on 9975 Life Extension o-ring test fixtures.
Acceptance Criteria		

DOE-SR will perform validation of the following:

- a. Loading and initial data sheets for Series 3 of shelf life studies.
- b. FY14 data set 2 analyses for 3013 Program.
- c. FY14 annual report on 9975 Life Extension o-ring test fixtures.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-1.02	9/30/14	\$75,000	Provide technical support to Nuclear Materials for the Spent Fuel Program.
			a. Complete extracted basin core testing and prepare and issue degradation evaluation report.
	3		b. Complete revision of corrosion surveillance program plan to include increase in coupon withdraw and analysis schedule; new rack material; and automated characterization and optimized corrosion analysis.
			<ul> <li>c. Complete report for detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.</li> <li>Report to include corrosion, thermodynamic and kinetic analysis for fuel clad systems to</li> </ul>
			<ul> <li>provide estimate of fuel and internal water activity conditions.</li> <li>d. Complete analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel (sectioned SS, zircaloy stored in OS canisters) including</li> </ul>
			evaluating particulates and hydrogen generation from radiolysis and corrosion.

# **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Degradation evaluation report.
- b. Revision of corrosion surveillance program plan.
- c. Report on detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.
- d. Analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$350,000	Develop and demonstrate flowsheets and
SRNL-1.03			equipment for application in H-canyon/HB-Line.
			Potential scope could include:

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a. Fabrication and deployment of crawler to inspect ventilation system.	
b. Flowsheet development for next set of material to be processed.	
c. Program to reduce the amount of waste sent to the Tank Farms.	ıt
d. Provide requested support to H-Canyon for processing used Nuclear Fuel (UNF) such a	
Hydrogen Generation Studies.	

# **Acceptance Criteria**

DOE-SR will perform validation of the agreed upon items for FY14.

# Contract Output SRNS2014SRNL-02 (Karen Hooker):

Deliver products and services that reduce technical risk and enhance the schedule of liquid high level waste dispositioning. SRNL will enable DOE-EM mission success by providing the increased scientific and technological rigor needed to support EM program and project planning, technology development and deployment, project execution, and assessment of program outcomes.

# Description/Background/Justification:

EM's goal is to reliably complete radioactive liquid waste treatment, safely manage the treated waste and meet DOE commitments to close the liquid waste tanks, while incorporating new technology and to enhance efficiency. In so doing, EM is closing the circle on the legacy of radioactive liquid waste.

At SRS, the insoluble sludge solids from tank waste are vitrified at the Defense Waste Processing Facility (DWPF) and converted into a solid glass form. The salt waste is processed to remove of the radioactivity with the decontaminated salt solution being disposed onsite in grout at the Saltstone facility. The Tank Closure Program at SRS has made significant progress. Tank Closure Program activities are on schedule to meet or exceed all Federal Facility Agreement commitments.

At Hanford, construction is well underway on the Pretreatment and Vitrification facilities. SRNL experience at SRS can be utilized to support flowsheet and other technology development activities.

In addition to the contractor support efforts described above EM has commissioned the SRNL to coordinate the engagement of the national laboratory community to bring the scientific and technological rigor needed to evaluate/prioritize alternatives, define/execute technology development as appropriate, and provide the DOE with an "owners representative" to inform decisions and reduce technical and programmatic risks in conjunction with PNNL. Under this direction, and consistent with their role as Federally

Funded Research and Development Centers (FFRDC), the SRNL/PNNL team will work closely with DOE site offices, contractors and other national laboratories to establish a framework for sustainable laboratory engagement and collaboration.

In addition to the strategic role for EM, SRNL will execute technology development tasks for EM-20 that support the EM Complex.

Up to \$1,245,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$700,000	Execute scope to provide technical bases,
SRNL-2.01			characterization results, consultation in support of
			SRS Tank Waste Projects. These efforts are likely
			to include support for the following:
			a. DWPF/Saltstone waste form, flowsheet,
			sludge batch qualification. Qualify next
			sludge batch including developing
			processing options and frit formulation -
ļ			dependent on SRR schedule for canister
			production.
			b. Tank Farm sample characterization,
			corrosion program. Perform sample
			characterization (dependent on sample
			needs) and support corrosion control
		i	program.
			c. Tank Closure sample characterization.
l	ļ		Characterize any closure samples received
	Ì		to determine residual material left in tanks.
			d. Salt Processing. Qualify needed salt
			batches and support deployment of next
		†	generation solvent.
			e. Tank Closure/Saltstone Waste Disposition.
			Support SRR PA work through modeling
	1		and experimental scope - dependent on
	1		facility needs.

# Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.02	9/30/14	\$470,000	To maintain and enhance SRNL as a pre-eminent center for research, development, and deployment of technologies to cleanup the environmental legacy of the Nation's nuclear programs, SRNL will lead and execute scope for Hanford by providing technical bases and consultation. Scope

	to include:
	<ul> <li>a. Develop program execution plans for Grand Challenge efforts in support of high level waste processing at the Hanford site. Complete first phase of experimentation as part of these programs. Participate on the Hanford Tank Waste Disposition Integrated Flowsheet development team. Perform flowsheet evaluations and provide definition of key interfaces and waste acceptance criteria.</li> <li>b. Perform work for Hanford Contractors including WRPS and WTP.</li> <li>Complete full scale mixer testing in support of Caststone work</li> <li>Complete experimentation on Tc removal options selected during</li> </ul>
	<ul> <li>Complete experimentation on Tc removal options selected during downselection</li> <li>Develop conceptual design and fabricate test equipment in support of the waste qualification effort</li> <li>Continue leadership of the National Laboratory Technical Authority Team in support of the WTP Full Scale Vessel Qualification Testing Program.</li> <li>Define and qualify the instrumentation</li> </ul>
Accentance Criteria	to be used during the full scale demonstration effort. Develop the simulant to be used during this instrument qualification and the first phase of testing

DOE-SR will perform validation of the programs discussed above.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.03	9/30/14	\$75,000	Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts include:  a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership.  b. Issue technical report/journal article on the next phase of long term glass corrosion modeling work.

DOE-SR will perform validation of the programs supported.

# Contract Output SRNS2014SRNL-03 (Karen Hooker):

Develop and deploy Next Generation Cleanup Technologies.

# Description/Background/Justification:

The environmental cleanup of SRS will continue to receive emphasis for the foreseeable future as we reverse the environmental impact from legacy operations performed on the Site. With each success, the Site becomes safer for future generations and less costly to maintain. These cleanup operations are not trivial nor are they straightforward.

SRS has had to develop new and innovative applied technologies in order to accomplish much of the cleanup. This will continue to be the case as the cleanup challenges get more and more difficult. SRS plans to make these new technologies available across the country and internationally to assist others in their own cleanup efforts. SRS technological expertise and knowledge in cleanup has been highlighted to assist Japan in the remediation efforts at the Fukushima-Daiichi Nuclear Power Station.

SRNL efforts are likely to include programs in Environmental Compliance & Area Completion Projects (EC&ACP), Solid Waste Management (SWM), Technology Development for EM-10, and programs to support Japan's remediation of the Fukushima site.

Up to \$470,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.01	9/30/14	\$50,000	Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP.

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DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$160,000	Provide technical support for SRNS Solid Waste
SRNL-3.02			Management. SRNL plans to:
			<ul> <li>a. Develop and submit to DOE the FY 2014 Performance Assessment Maintenance Plan.</li> <li>b. Develop and submit to DOE the FY 2014 Composite Analysis Maintenance Plan.</li> <li>c. Develop and submit to DOE the FY 2013 PA Annual Review report.</li> <li>d. Develop and submit to DOE the FY 2013 CA Annual Review report.</li> <li>e. Develop and submit to SWM the UDQE to assess new modeling information.</li> <li>f. Complete and issue TBD reports.</li> </ul>

# Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Provide technical development for EM-10 on
SRNL-3.03			Environmental Compliance (EM-11), Soil &
			Groundwater Remediation (EM-12), D&D and
			Facility Engineering (EM-13).
			<ul> <li>a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.</li> <li>b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.</li> </ul>
			c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD
	_		developments.

# **Acceptance Criteria**

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
	9/30/14	\$100,000	SRNL is the EM's Corporate National Laboratory
SRNL-3.04			across the EM complex and will seek to diversify its customer base and funding sources for SRNL to

1		crease efficiencies for the benefit of all of its
	cu	stomers. SRNL will provide technical support
	an	d expertise, and global leadership in support of
l l	Fu	akushima cleanup and remediation efforts that
	m	ay include the following:
	a.	Lead development and negotiations of new
1		business contract(s) with Tokyo Electric Power
]		Company (TEPCO) in Japan.
	b.	Execute PNNL partnership to support technical
		scope of contract with TEPCO.
	c.	Work with governmental agencies (Department
1		of Energy, Department of State, etc.) to identify
1		and establish SRNL leadership in U.S.
1		government efforts supporting Fukushima
		remediation by the Ministries in the
		Government of Japan (MOE, METI, MEXT,
		etc.).
	] d.	Deliver emergent support to Fukushima cleanup
		based on EM laboratory leadership, capabilities
		and expertise.
	<del></del>	

DOE-SR will perform validation of the following:

- a. Negotiated contract(s) with TEPCO.
- b. PNNL partnership performance.
- c. SRNL participation or leadership in governmental agency support to Fukushima remediation.
- d. Validate laboratory support to emergent Fukushima cleanup issues. Validation will include pass/fail consideration for the above listed components.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$60,000	Relocate the Packaging Certification Program
SRNL-3.05			(PCP) Docket files from Germantown, Maryland to
			Savannah River National Laboratory. Transition
			the EM-33 PCP Docket Manager from Eagle
			Research to SRNL.

# **Acceptance Criteria**

DOE-SR will perform validation of the programs supported.

# Contract Output SRNS2014SRNL-04 (Karen Hooker):

Develop Solutions to Close and Better Secure the Nuclear Fuel Cycle.

# Description/Background/Justification:

SRNL helps develop the nations' used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. This is facilitated by SRNL leadership in Clean Energy initiatives aligned with the DOE Sustainability Plan goals.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	As part of the SRNS Contract, SRNL will provide
SRNL-4.01			technical leadership for future site missions, and
			utilize its technical expertise to provide vital
			national and regional support in achieving the
	ĺ	1	broader goals of DOE and the federal government,
			and maintain and enhance the core competencies
			that are necessary to support assigned and future
			missions of EM and NNSA programs at SRS. As
			part of this mission, SRNL will develop and lead
			the nations used (spent) nuclear fuel cycle
	1		initiatives through participation in the DOE Fuel
			Cycle Research and Development (FCR&D)
			Program. Perform DOE-NE FCR&D program
			funded work activities as specified in the Program
			Information Collection System NE (PICSNE)
	ļ		defined in terms of cost, schedule and technical
			performance. Complete all required Level 2 and
			Level 3 milestones (number TBD) for the Used
			Fuel Disposition Campaign, Separations and Waste
			Forms Campaign, and Fuel Cycle Options
			Campaign.

# **Acceptance Criteria**

DOE-SR will perform validation of the following: completed reports, presentations, and publications identified in the funded DOE-NE FCR&D scope.

#### Contract Output SRNS2014SRNL-05 (Karen Hooker):

Reduce greenhouse gas emission via Clean Alternative Energy Project.

# Description/Background/Justification:

SRNL facilitates complex-wide accomplishment of the DOE Sustainability Plan goals through innovative leadership in Clean Energy activities in support of DOE renewable energy strategic initiatives.

SRNL continues to be heavily involved in a number of initiatives that will reduce greenhouse

gases in accordance with Executive Order 13514. SRNL's Hydrogen Storage Engineering Center of Excellence will continue to advance the concept of clean fuels based on the hydrogen technology that SRS has developed over years of tritium research and production. SRNL has a number of other projects to reduce greenhouse gas emission, including solar and methane, which is a key SRS strategic initiative and goal for EM sites.

Up to \$325,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-5.01	9/30/14	\$325,000	The vision for SRNL is to be the nation's premier applied science laboratory in Environmental Management, National and Homeland Security, and Energy Security. As part of the efforts in Energy Security the following Clean Energy Projects will be completed:
			<ul> <li>a. Hydrogen Storage Engineering Center of Excellence-Technical Work Scope: Complete design and begin assembly of a two liter prototype cryo-adsorbent hydrogen storage prototype.</li> <li>b. Basic Science: Have accepted for publication in the area of energy storage and conversion three technical articles in peer reviewed journals with impact factors = &gt;3.</li> <li>c. Methane opportunities for Vehicular Energy - Complete a test station for evaluation of a two liter prototype methane adsorption system meeting the DoE technical targets.</li> <li>d. SunShot "Low-Cost Metal Hydride Thermal Energy Storage System for Concentrating Solar Power Systems" - Complete FY14 milestone: Complete system model and evaluate at least one metal hydride material pair capable of meeting DOE SunShot thermal energy storage</li> </ul>
Acceptance			targets as defined in Statement of Project Objectives. e. SunShot High Temperature Corrosion Analysis of Molten Salt Systems for CSP Applications. Commission high temperature thermal gradient and fluid flow corrosion apparatus system for molten salt systems as outlined in Statement of Project Objectives (SOPO).

# DOE-SR will perform validation of the following:

- a. EERE program management acknowledgement of requirements delivered as specified.
- b. Copies of acceptance letters and 2013 journal impact factors.
- c. Completed test station and approved HAP.
- d. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.
- e. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.

# Contract Output SRNS2014SRNL-06 (Karen Hooker):

Expand the SRNL presence in National Security.

# Description/Background/Justification:

SRNL support for DOE-IN Nuclear Materials Information Program.

SRNL utilizes its technical expertise to provide services and products for the DOE-IN. The DOE-IN Nuclear Materials Information Program (NMIP) develops and maintains a comprehensive information system on foreign special nuclear materials (SNM) capable of being utilized in nuclear weapons. This system is maintained on classified networks and is updated with current intelligence annually.

SRNL technical support for DOE-IN Foreign Nuclear Program.

SRNL utilizes its technical expertise to provide services and products for DOE-IN's Foreign Nuclear Program. SRNL provides technical analysis and programmatic support to DOE-IN and to other agencies within the United States Intelligence Community (USIC). National Laboratories and their Field Intelligence Elements (FIE's) provide DOE's technical input to all issues of weapons production and utilization by foreign nuclear programs. SRNL's FIE provides important technical leadership, analysis and input on current issues, foreign facilities and weapons materials production.

The SRNL counterintelligence program primarily consists of an expansive awareness function, a counterintelligence investigative capability, an analysis element and a multi-focused cyber component. The Senior Counterintelligence Official (SCIO) leads the integrated counterintelligence effort against foreign intelligence, terrorism threats directed at SRNL, and also has direct managerial oversight for the overall performance of the office, personnel and financial management of the CI program.

## Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$200,000	The vision for SRNL is to be the nation's premier
SRNL-6.01			applied science laboratory in Environmental

I	Management, National Security, and Energy
	Security. As part of the work on National Security,
	SRNL will provide technical support for DOE-IN
	as follows:

- a. Deliver to US Policy Makers technical reports and assessments of foreign nuclear weapons programs that have been reviewed and published by DOE-IN.
- b. Update 100% of the Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible.
- c. Promote Counter Intelligence (CI) site-wide by conducting awareness briefings and training for all on-site contractors.

DOE-SR will perform validation of the following:

- a. Technical reports and assessments of foreign nuclear weapons programs have been reviewed and published by DOE-IN.
- b. 100% of Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible are updated.
- c. CI awareness briefings and training are completed for all on-site contractors.

# Contract Output SRNS2014SRNL-07 (Karen Hooker):

SRNL Infrastructure Sustainment.

# Description/Background/Justification:

SRNL offers a unique combination of capabilities, equipment, and infrastructure that are not available anywhere else in the United States. Although SRNL was originally built as a part of the nuclear weapon complex to maintain the U.S. nuclear deterrent, the facilities obtained and constructed for that purpose represent a significant asset to the site, region, and country and it is poised to solve National issues. The SRS vision targets SRNL to be the central hub as SRS expands its business segments to address DOE needs that capitalize on historic SRS competencies and capabilities. SRNL will actively seek ways to revitalize and present these assets for more wide-spread beneficial use.

Up to \$1,485,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-7.01	9/30/14	\$300,000	SRNL will implement High Priority Safety Basis scope and nuclear infrastructure improvements as defined in the approved FY14 SVS Implementation Plan as developed between DOE-SR OLO and SRNL. This Implementation Plan will be updated as needed and on an annual basis to:  a. Meet selected project milestones for identified
			High Priority DNFSB Scopes. b. Complete Safety Basis scope improvements.

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$390,000	As defined in the approved FY14 SVS
SRNL-7.02			Implementation Plan jointly developed by DOE-SR
			OLO and SRNL, complete A Block window
			replacements with no adverse impact to EM Liquid
			Waste mission work.

# **Acceptance Criteria:**

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-7.03	9/30/14	\$695,000	Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.

# **Acceptance Criteria:**

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Implement the SRNL Infrastructure Plan to reduce
SRNL-7.04			operational cost by facility and scientific instrument renewal as well as an improved Asset Condition
			Index as defined in the approved FY14 SVS
			Implementation Plan.

# **Acceptance Criteria**

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

# Contract Output SRNS2014SRNL-8 (Karen Hooker):

Conduct effective laboratory management.

#### **Description/Background/Justification:**

Utilizing a comprehensive and integrated approach, SRNS will document and continue implementation of a path forward to: improve the overall institutional management of SRNL; establish a comprehensive vision for the future; and effectively apply innovative solutions to meet DOE mission needs.

Up to \$75,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-8.01	9/30/14	\$75,000, paid upon completion of items a-b	<ul> <li>a. Provide a framework that allows for documentation of laboratory management for 1) Effective use of partnerships (internal, academic, community, government agencies, etc.), 2) Maintenance of core competencies and retention of employees, 3) Improvement in internal business processes and goals, 4) Business unit strategies, and 5) Effective use of recommendations from external reviews.</li> <li>b. Proceed with implementation of the University Relations Program Plan developed in FY13.</li> </ul>

#### **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Documentation of the improved institutional management of SRNL.
- b. Implementation Status Report for the FY13 University Relations Plan.



# Performance Incentive Document

PID Number:	SRNS2014LS	
Activity Name:	EM Landlord Se	ervices
WBS Number:	Various / Indirec	et
Performance Period:	October 1, 2013	- September 30, 2014
Allocated Fee:	\$1,510,000	
Revision Number:	1	
Senior level managers:		Angelia Adams, Acting AM Infrastructure & Environmental Stewardship (AMI&ES) Doug Hintze, AM Mission Support (AMMS)
Senior level supervisor/division manager:		David Bender Nick Delaplane

#### **Contract Performance Outcome:**

The Contractor shall execute assigned landlord responsibilities and provide a range of services to other organizations doing work on the Savannah River Site. This section includes Site Services and Business Services.

#### Contract Output SRNS2014LS-01:

The Contractor shall meet all SRNS agreed upon scheduled milestones to plan & execute development of SRS Sustainability initiatives and High Performance Sustainable Buildings (HPSB) program objectives to meet scheduled site sustainability goals.

#### Description/Background/Justification:

DOE has approved a Complex-wide Strategic Sustainability Performance Plan. This plan addresses such topics as greenhouse gas emission reductions, High Performance Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to make progress toward goals established for 2015 and 2020. The benchmark for the HPSB 15% reduction is defined in Executive Order (E.O.) 13514 section 2(g).

# Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
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SRNS2014 LS-1.01	12/31/13	\$100,000 — fee is earned by meeting all milestones.	a.	Develop the FY14 Site Sustainability Plan for the Savannah River Site in accordance with the DOE-HQ annual guidance document by 12/31/13.
	1/31/14		b.	Prepare the SRS Consolidated Energy Data Report (CEDR) in accordance with annual DOE-HQ guidance documentation by 1/31/14.
	9/30/14		c.	Continue development of High Performance Sustainable Buildings (HPSB) Program objectives by completing the following activities:  • Conduct lighting-specific walkdowns of
				facilities, to determine how to comply with the automated lighting controls objective associated required by the HPSB Guiding Principles and develop layouts summarizing how compliance will be achieved.  Determine FY15 funding requirement to complete objective.
				<ul> <li>Complete metering objective by installation of meter and establishing monthly meter readings for all facilities in HPSB scope.</li> <li>Update EPA Portfolio Manager database as needed to show status of HPSB objectives for all buildings</li> </ul>

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agency-wide Strategic Sustainability Performance Plan.
- b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE-HQ for use in DOE agency-wide data collection.
- c. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.

#### Contract Output SRNS2014LS-02:

The Contractor shall develop and implement cost efficient approaches to reduce government

liability.

## Description/Background/Justification:

Initiatives are needed to address site energy costs and infrastructure support of current and future missions. Site Services will also evaluate organizational practices to identify efficiency gains and cost improvements and achieve government liability reduction where appropriate.

#### Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-2.01	5/31/14	\$150,000	Partnering with DOE in the negotiation of a new five-year contract with South Carolina Electric & Gas Company, including the following:  • Participate with DOE in the contract development process and negotiation of terms and costs.  • Provide financial analysis through evaluation of life cycle cost options for the contract.

#### Acceptance Critieria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Review SRNS Contract-involvement summary report
- Evaluate the effectiveness of SRNS involvement and recommendations concerning the development of the new contract and rate structure.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$150,000	Develop an Infrastructure Alignment Plan/Study
LS-2.02			that outlines infrastructure right sizing
			recommendations, including footprint reduction
			that will coincide with current and future
		İ	missions, SRNS baseline operations and funding
			profile (e.g. facilities, roads, infrastructure
	1		systems, etc.) Implement infrastructure right-
			sizing recommendations as approved by DOE and
			as funding is available.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Perform walkdown of the targeted systems/processes for the scope.
- Evaluate effectiveness of recommendations.
- Validate evidence of implementation.

#### Contract Output SRNS2014LS-03:

The Contractor shall meet all SRNS agreed upon scheduled milestones to actively seek cost effective opportunities to reduce government liability and benefit the community through the DOE Asset Revitalization Initiatives and Programs.

#### Description/Background/Justification:

The identification, leveraging, revitalization, and disposition of site assets reduce EM liability, minimize lifecycle cost, and achieve Footprint reduction. Wherever it is cost effective, utilize the SRS Community Reuse Organization to provide additional opportunities to benefit the surrounding community. Site Services will continue to evaluate consolidation of facilities, services and functions for cost improvements.

#### Up to \$110,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$110,000	Outsource the SRNS ESS Facilities Maintenance
LS-3.01			and ensure success by providing business and
			technical leadership.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate documentation defining transition process.
- Review and evaluate effectiveness of the transition support.

#### **Contract Output SRNS2014LS-04:**

The Contractor shall meet all SRNS agreed upon scheduled milestones to cost effectively maintain SRS plant systems, components, structures, and also improve maintenance processes to meet site missions and positively address deferred maintenance issues.

#### Description/Background/Justification:

Procedure Manual 1Y, Conduct of Maintenance, is established for effective management of plant systems, structures and components at the Savannah River Site. These standards comply with the requirements of the Department of Energy (DOE) Order 433.1B, Maintenance Management Program for DOE Nuclear Facilities. The requirements ensure a safe and cost effective maintenance program at SRS.

#### Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Continue the implementation of the Maintenance

LS-4.01		Paperless Work Package. Achieve 10% more EM paperless work packages completed in FY14 compared to the average of last four months in FY13 as baseline.
	<b>!</b>	

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Randomly sample electronic work packages.
- Evaluate trending results for EM facilities.
- Evaluate Time & Cost savings documentation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.02	9/30/14	\$100,000	Continue the implementation of the Preventive Maintenance (PM) optimization process.
			<ul> <li>Evaluate and incorporate Predictive Maintenance (PdM) in the process.</li> <li>Demonstrate savings in overall efficiency gain.</li> </ul>

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Verify the PM baseline.
- Evaluate effectiveness of the optimization process.

#### **Contract Output SRNS2014LS-05:**

The Contractor shall sustain and/or modernize site facilities/infrastructure, provide quality Shops services to achieve mission goals/milestones and ensure a safe and secure workplace for all SRS personnel.

#### Description/Background/Justification:

The SRS infrastructure is approaching 60 years old. Over the past 10 years, funding for infrastructure repairs/replacement declined considerably due to budget challenges. The Critical Infrastructure Integrated Priority List (CIIPL) was implemented to identify the most critical projects for SRS. The Contractor will execute funded projects and provide quality Shops services to ensure a safe and secure workplace for all SRS personnel.

#### Up to \$400,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	Execute Infrastructure modernization/improvement
LS-5.01			Utility system projects, sustaining activities and

		liability reduction work scope (e.g. water systems, electrical distribution system, etc.).
ı	 	

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate Summary Report and perform field walkdown of completed activities consistent with infrastructure IPL.
- Review Final Acceptance Inspection (FAI) documents or Work Packages of completed work scope.
- Before and after photographs of completed modernization work scope as feasible.

Number	Date	. Fee	Contract Output Completion Criteria:
SRNS2014 LS-5.02	9/30/14	\$100,000	<ul> <li>Evaluate the Critical Infrastructure Integrated         Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.     </li> <li>Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.</li> </ul>

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate CIIPL documentation.
- Review the updated CIIPL quarterly or as-needed.
- Evaluate data improvements.
- Evaluate CIIPL effectiveness report.

#### **Contract Output SRNS2014LS-06:**

#### **Real Property Asset Management**

The Contractor shall meet all SRNS agreed upon scheduled milestones by leveraging the Real Property Asset Management Program and Facility Information Management System (FIMS) data to effectively manage SRS infrastructure needs.

#### Description/Background/Justification:

SRNS will ensure compliance of DOE Order 430.1B Real Property Asset Management Program and implement DOE-HQ requirements for asset replacement value. The Facility Condition Assessment Survey (CAS) Inspections will continue in FY14. In addition, improvements to the accuracy of the SRS Actual Maintenance Cost Reporting Data will continue to be implemented for the HQ FIMS.

#### Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-6.01	9/30/14	\$200,000.00	a. Evaluate and begin implementation of the Corrective Action Plan to more accurately capture SRS Actual Maintenance Cost Reporting. Subsequently, provide data input to support Site Planning integration.
			b. Demonstrate cost reduction and/or cost avoidance by:
			<ul> <li>Integrating impacts of ARRA project completion, site housing consolidation planning, workforce restructuring, site mission changes and lessons learned from Condition Assessment Survey (CAS) inspections into the RPAM SmartPlan (SRNS-RP-2011-00202).</li> <li>Revise RPAM SmartPlan requirements to more cost effectively implement DOE Order 430.1B.</li> <li>Evaluating Facility assessments conducted</li> </ul>
			by other organizations (Engineering, maintenance, Operations, etc.) for CAS applicability.
			c. Leverage Real Property Asset Management Program (RPAM) for the Site, develop a tailored approach for the Replacement Value (RPV) of agreed upon unique/critical facilities and initiate implementation.
			d. Evaluate Facility Information Management System (FIMS) database and make recommendations for data improvements. Also, update and maintain information of over 2,000 FIMS real property records to ensure the data is accurate and reliable.
			e. Continue to perform CAS inspections to ensure SRS meets the facility condition assessment 5 year cycle.
Acceptance	Criteria		

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Review the Actual Maintenance Corrective Action Plan and evaluate the Cost Reporting implementation. Review and evaluate the evidence of data input to Site Planning.
- b. Review documentation that outlines the following:
  - Cost avoidance scenario(s) from the various integrated site impacts.
  - Assessment of cost avoidance as reported.
  - Revised Condition Assessment Survey Process that maximizes cost reduction and/or cost avoidance.
- c. Evaluate RPV for H-Canyon, DWPF and SRNL 773-A Lab.
- d. Review evidence of implementation documentation in DOE-HQ FIMS records demonstrated by performance against metrics implementation schedule.
- e. Review Condition Assessment Survey (CAS) Reports for the structures inspected in FY14. In addition, DOE-SR will perform field walk down on randomly selected completed facilities/structures and then verify that CAS data has been placed into the DOE-HQ Condition Assessment Information System (CAIS).

#### **Contract Output SRNS2014LS-07:**

#### Site Integrated Planning and Business Process Improvement

The Site Integrated Planning process integrates site mission planning and real property asset management. These recommendations and objectives will demonstrate improved linkage and dependencies at strategic, operational and tactical levels in support of the successful execution of the Site missions and landlord functions at SRS that includes support of all Site tenant organizations. Additionally, there will be a continued focus on improving crosscutting business processes that support the provision of services to Site missions.

#### Description/Background/Justification:

Execution of planned missions requires support from multiple functional organizations on site. Improving efficiency of crosscutting business processes required by these support groups will decrease cost and improve execution schedules. An additional goal is to improve those crosscutting processes.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Update the Land Use Plan to reflect the results of
LS-7.01			the DOE-SR Planning Process.

#### Acceptance Criteria

DOE will be provided / will review the following for validation:

• Final Draft of the revised plan for review and publication.

#### Contract Output SRNS2014LS-08:

#### Interface Management

The Contractor shall execute Interface Management with site tenants to deliver landlord services in support of mission execution.

#### Description/Background/Justification:

Effective implementation of site interface management process (necessary maintenance and communication of interface processes, procedures and agreements) results in the effective delivery of landlord services. This ensures an efficient process to support tenant site mission completion activities.

Annually the Interface Management Team develops a lessons learned regarding the interfaces of the tenants. These recommendations are the basis for the improvements defined in items 2 and 3.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Improve the SRS Interface Management Process
LS-8.01			by supporting DOE in the implementation of the
			Site Policy Manual SRSPM 250.1.1B.
			Note: This improvement is defined in the 2013
	ţ		Interface Management Lessons Learned developed
			by the Interface Management Team:
			1. Providing support in developing a matrix of
			current contractor (SRNS, SRR, MOX,
		Į.	SWPF, WSI) applicability for each policy.
			2. Provide suggested handling strategies for
		1	the major contract omissions (i.e. contract
		1	modification, policy modification)

Acceptance Criteria

DOE-SR will review the Contractor Applicability Matrix and suggested handling strategies.



# Performance Incentive Document

PID Number: SRNS2014SUBJ				
Activity Name:	Management & 0	Operations - Subjective		
WBS Number:	Various / Indirec	t		
Performance Period: October 1, 2013		- September 30, 2014		
Allocated Fee:	\$5,000,000			
Revision Number: 1				
Senior level manager:		Doug Hintze Assistant Manager Mission Support (AMMS)		
Senior level supervisor/o	livision manager:	Nick Delaplane		

#### **Contract Performance Outcome:**

#### **Nuclear Materials Management**

The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements. Management of nuclear materials at SRS includes storage, operations and disposition.

#### Solid Waste

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

#### Soil and Water Remediation

The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.

#### Savannah River National laboratory (SRNL)

SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.

#### Sitewide ES&H Program

The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.

#### **Operations Support**

The Contractor shall implement site-wide programs and coordinate their implementation with all site organizations. The Contractor shall provide technical support for all its activities and operations. The Contractor shall also provide technical support for other organizations as directed by the CO or as requested by other organizations and approved by the CO. Except as otherwise directed by the CO, services to other contractors generally do not extend to within their facilities or areas under the control of other tenant organizations.

#### **Business Services**

The Contractor shall provide general planning, management and administrative services for all its activities and for other organizations as directed by the CO.

#### **Contract Output SRNS2014SUBJ-01:**

This incentive is measured with an adjectival rating to measure technical performance, cost control, schedule performance and business relations / management for all of the fiscal year 2014 authorized scope.

This Contract Output will receive an adjectival grade and numerical score. In order to provide for consistency across the Complex, DOE-SR will use the five tier adjectival ratings and definitions set forth in FAR 16.4 described below.

Adjectival Rating	Percent of allocable fee	Definition
		Contractor has exceeded almost all of the
Excellent	91% - 100%	significant award-fee criteria and has met
		overall cost, schedule, and technical

		performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76% - 90%	Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Good	51% to 75%	Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	1% to 50%	Contractor has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	0%	Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.

## Description/Background/Justification:

To achieve its vision and implement all desired management improvement efforts will require an organized, systematic approach to project execution. EM has developed and implemented the EM Program Management System (EMPMS) to clarify roles and responsibilities, to provide for more integrated operations, and to further establish a solid baseline for workforce planning.

The EMPMS is a performance-based management system. Performance-based management uses performance measurement information to help set agreed-upon performance goals, to allocate and prioritize resources, to inform managers so they can manage program activities to meet those goals, and to report on their status. It also offers opportunity to learn from any failures in performance and to continuously improve management practices.

The IPT, as identified in the PEMP, will conduct informal surveys of the following organizations in order to solicit feedback related to contractor performance in the areas of Business Relations, Technical Quality, Cost Control and Schedule (timeliness):

Assistant Manager for Infrastructure and Environmental Stewardship (AMIES)

### Assistant Manager for Mission Support (AMMS)

- Assistant Manager for Integration and Planning (AMIP)
- Office of Acquisition Management (OAM)
- Office of Human Capital Management (OHCM)

Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)

Assistant Manager for Waste Disposition Project (AMWDP)

Office of Field Chief Financial Officer (CFO)

Office of Chief Counsel (OCC)

Office of Civil Rights (OCR)

Office of External Affairs (OEA)

Office of Laboratory Oversight (OLO)

Office of Safety and Quality Assurance (OSQA)

Office of Safeguards, Security and Emergency Services (OSSES)

SRNS organizations will provide monthly self-assessments throughout the performance period to provide contractor feedback in cross-cutting areas of performance, such as safety, efficient use of trained and qualified human capital, quality, continuous improvement, cost effectiveness, timeliness of deliverables, compliance with contract, etc. The self-assessments will be used to measure and report contractor technical performance (quality of product/service), cost control, adherence to schedule, and business relations / management as these relate to the contractor support of the individual and collective DOE organizations. These self-assessments will be captured on the electronic web-based DOE Scorecard and used to facilitate enhanced communication between DOE-SR and SRNS.

These assessments are critical to record contract performance that is considered implicit, or subjective. Clear measures will be defined and consistent with standards of reporting contractor performance (FAR 42.15, FAR 15.3, FAR 9.1, and DEAR 909.1), The Federal Acquisition Streamlining Act of 1994, and the federal acquisition guide, chapter 42.15.

Subjective incentives use adjectival measures related to quality of service or product. The success of a contractor against subjective measures is determined by the government, which will consider the related conditions under which the work was performed and the contractor's specific performance as measured against the government's objective.

Customer service is an implicit performance expectation. Both federal and contractor employees will strive to reach mutual expectations and conduct beneficial communications in support of site missions.

Per contract clause H-33: PROVISIONAL PAYMENT OF INCENTIVE FEE, the contractor may request monthly provisional fee payments for up to 1/12th of 50% of the total subjective fee for the performance period. Provisional fee is not considered earned fee and is contingent upon a final fee determination by the Fee Determination Official.

Number Date Fee Contract Output Completion Criteria:					
SRNS2014 SUBJ-1.01	9/30/14	\$5,000,000	Provide a monthly report measuring trends and improvements in technical, cost, schedule performance and business relations / management activities. The report will include trending data and		
			analysis of direct program (PBS) continuous improvement efforts, and cost performance of the Indirect cost pools (Essential Site Services and G&A).		

#### **Acceptance Criteria**

DOE-SR will review the contractor monthly report measuring technical, cost, schedule performance and business relations / management in accordance with site performance reporting to support the DOE-SR Contractor Performance Assessment Reporting (CPAR) requirements.

U.S. Department of Energy Savannah River Operations Office Performance Evaluation and Measurement Plan

Contract No. DE-AC09-08SR22470 Modification No. 423 Revision 2

Attachment D, NNSA Performance Incentive Documents for fiscal year 2014

# Fiscal Year 2014 DOE/NNSA Strategic Performance Evaluation Plan (PEP) Template

#### **FOR**

# MANAGEMENT AND OPERATION OF THE SAVANNAH RIVER SITE NNSA ACTIVITIES

By Savannah River Nuclear Solutions, LLC

Contract Number: DE-AC09-08SR22470

Performance period: October 01, 2013 through September 30, 2014

Dennis J. Donat

Senior Vice President

**NNSA Operations and Programs** 

Savannah River Nuclear Solutions, LLC

Douglas J. D

Field Office Manager

Savannah River Field Office

**National Nuclear Security Administration** 

John W. Temple

Senior Vice President **Contracts Management** 

Savannah River Nuclear Solutions, LLC

Carol R. Elliott

**Contracting Officer** 

Savannah River Field Office

National Nuclear Security Administration

#### INTRODUCTION

Savannah River Site is a facility owned by the United States Department of Energy (DOE), herein referenced as "Plant." It is managed by Savannah River Nuclear Solutions, LLC (SRNS). Pursuant to the terms and conditions of the Contract, and Clause H-27, Performance Based Management and Oversight, this Performance Evaluation Plan (PEP) sets forth the criteria in which SRNS' performance will be evaluated and upon which the determination of the amount of award fee earned shall be based. The available award fee amounts for FY 2014 are specified in Section B-2.3 and scope of work for NNSA as set forth in Section C-3.3 of Contract No. DE-AC09-08SR22470. This PEP promotes a strategic Governance and Oversight framework, for NNSA scope, based on prudent management of risk, accountability, transparency, and renewed trust. It has been written to implement the collective governance and oversight reform principles as expressed by the DOE/National Nuclear Security Administration (NNSA).

#### PERFORMANCE BASED APPROACH

The performance-based approach evaluates SRNS's performance through a set of performance objectives (PO). Each PO, and its associated Contributing Factors (CF) and Site Specific Outcomes (SSO) will be measured against authorized work and the respective outcomes, demonstrated performance, and impact to the DOE/NNSA mission. CFs and SSOs will be assessed in the aggregate to establish an adjectival performance rating for each Performance Objective. Notwithstanding the overall strategic framework, failure to achieve an individual SSO, the most important DOE/NNSA fiscal year objectives at the Plant, may limit the award-fee.

#### MISSION

Savannah River Nuclear Solutions, LLC shall furnish the necessary personnel, facilities, equipment, materials, supplies, and services (except those provided by the Government) to accomplish the Scope of Work. The Scope of Work under the Performance Based Management Contract is comprehensive in that the Contractor shall perform all necessary technical, operations and management functions to manage and operate SRS and perform the missions assigned to the site.

#### **MISSION PERFORMANCE**

Savannah River Nuclear Solutions is accountable for and will be evaluated on successfully executing program work in accordance with applicable DOE/NNSA safety and security requirements consistent with the terms and conditions of the Contract. Protection of worker and public safety, the environment, and security are essential and implicit elements of successful mission performance. Accordingly, the model for this PEP is to rely on SRNS's leadership to use appropriate DOE contractual requirements and recognized industrial standards based on consideration of assurance systems, and the related measures, metrics, and evidence. Savannah River Nuclear Solutions is expected to manage in a safe, secure, efficient, effective, results-driven manner, with appropriate risk management and transparency to the government, while taking appropriate measures to minimize costs that do not compromise core objectives and mission performance. Products are expected to be delivered on-schedule and within budget.

#### CONSIDERATION OF CONTEXT IN PERFORMANCE EVALUATION

The evaluation of performance will consider "context" such as unanticipated barriers (e.g., budget restrictions, rule changes, circumstances outside SRNS control), degree of difficulty, significant accomplishments, and other events that may occur during the performance period. Effective efforts by SRNS to quickly identify, self-report, and overcome or mitigate the impact of issues, barriers or other circumstances will also be a factor in evaluating performance. A significant safety or security event may result in an overall limitation to adjectival ratings.

#### PERFORMANCE RATING PROCESS

At the end of each of the first three quarters, DOE/NNSA will evaluate performance and provide feedback to SRNS highlighting successes and/or needed improvement. At the end of the year, an overall performance rating will be assigned for each PO using the table in Federal Acquisition Regulation Subpart 16.401(e) (3) yielding scores of Excellent, Very Good, Good, Satisfactory or Unsatisfactory. In general, performance objectives and contributing factors are written to reflect an overall adjectival performance level of **Good**. DOE/NNSA will consider the SRNS end of year self-assessment report in preparing the Performance Evaluation Report (PER) for the Fee Determining Official (FDO). The PER transmits the final recommendations on performance ratings and award fee earned for the award fee period of performance. The unilateral decision of the total award fee earned will be made by the FDO.

#### PEP CHANGE CONTROL

It is essential that a baseline of performance expectations be established at the beginning of the performance period to equitably measure performance, and that changes to that baseline are carefully managed. Any change to the PEP requires concurrence by the appropriate program office, NA-00 and the NNSA Senior Procurement Executive prior to the Field Office Manager and Contracting Officer signatures. While recognizing the unilateral rights of DOE/NNSA as expressed in contract clauses H-27, *Performance Based Management*, and (2) H-28, *Performance Incentives*, bilateral changes are the preferred method of change whenever possible.

#### **FINAL DECISION**

Prior to a final decision by the FDO the SRNS General Manager will have a face-to-face opportunity to provide a final presentation in support of strategic performance determination and direction of the enterprise.

#### TOTAL AVAILABLE AWARD FEE ALLOCATION

Performance Category	Performance Objective	% At-Risk Fee Allocation
Programs (NA-10 & FOM)	PO-1: Manage the Nuclear Weapons Mission	25%
Programs (NA-2 & FOM)	PO-2: Broader National Security Mission	12.5%
Programs (NA1.1 & FOM)	PO-3: Science, Technology, and Engineering and Other DOE Mission Objectives	12.5%
Operations & Mission Execution (NA-3 & FOM)	PO-4: Operations & Infrastructure	25%
Operations & Mission Execution (NA-1 & FOM)	PO-5: Leadership	25%

#### **UNEARNED FEE**

DOE/NNSA reserves the right to withdraw and redistribute DOE/NNSA unearned fees.

#### INNOVATIVE SOLUTIONS

Savannah River Nuclear Solutions will recommend innovative, science-based, systems-engineering solutions to the most challenging problems that face the nation and the globe. Savannah River Nuclear Solutions will also provide evidence to support programmatic needs and operational goals tempered by risk. DOE/NNSA will take into consideration all major functions contributing to mission success. In addition, SRNS is expected to recommend and implement innovative business and management improvement solutions that enhance efficiencies.

PO-1: Manage the Nuclear Weapons Mission – NA-10 & FOM - (At-Risk Fee: 25%) Successfully execute Nuclear Weapons mission work in accordance with DOE/NNSA Priorities, Program Control Document and Deliverables, and Program Implementation Plans. Integrate across the Plant, while maintaining a DOE/NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities. Provide defensible objective evidence.

## **Contributing Factors:**

- CF-1.1 Accomplish work as negotiated with program sponsors and partners, achieving the expected level of quality to ensure safe, secure, reliable weapon performance, transportation, and cost effective operations.
- CF-1.2 Increase knowledge of the state of the stockpile, resulting from successful execution of the stockpile surveillance program and a robust scientific and engineering understanding for the delivery of the annual stockpile assessment.
- CF-1.3 Execute deliveries for the stockpile work to meet limited-life component exchanges, and dismantlements.
- CF-1.4 Demonstrate the application of new strategies, technologies, and scientific understanding to support stewardship of the existing stockpile and future stockpile needs.
- CF-1.5 Sustain and strengthen unique science and engineering capabilities, facilities and essential skills to ensure current and future Nuclear Weapons mission requirements will be met.
- CF-1.6 Execute W78/88-1 phase 6.2 activities, B61-12 phase 6.3 activities, and W88 ALT 370 phase 6.3 activities in accordance with the NNSA approved schedules.

#### Site Specific Outcomes:

- SSO1.1: Demonstrate the Tritium Programs Earned Value Management System
  (EVMS) (or comparable system) is implemented consistent with the B61 Project
  Control Systems Description and Implementation Schedule. Establish a site
  performance baseline and submit monthly project and earned value reporting
  consistent with NA-191 program management requirements. Sites are allowed to
  tailor EVMS implementation to account for program complexity, cost, and risks,
  subject to approval of the Federal Program Manager.
- SSO 1.2: Demonstrate the Tritium programs EVMS (or comparable system) is implemented consistent with the W78/88-1 Project Control Systems Description and Implementation Schedule. Sites are allowed to tailor EVMS implementation to account for program complexity, cost, and risks, subject to approval of the Federal Program Manager.

### PO-2: Broader National Security Mission - NA-2 & FOM - (At-Risk Fee: 12.5%)

Successfully execute authorized broader national security mission work to include the Non-Proliferation, Emergency Operations and Counterterrorism missions as well as high-impact interagency work. Integrate across the Plant, while maintaining an NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-2.1 Support efforts to remove, eliminate and minimize the use of proliferation-sensitive materials.
- CF-2.2 Support efforts to safeguard and secure materials, technologies, and facilities.
- CF-2.3 Support efforts to detect and prevent the illicit trafficking of nuclear/radiological materials, technology, information and expertise.
- CF-2.4 Provide R&D technology solutions for treaty monitoring, minimizing the use of proliferation-sensitive materials, and the application of safeguards and security.
- CF-2.5 Provide unique technical/policy solutions and develop programs/strategies to reduce nuclear/radiological dangers.
- CF-2.6 Demonstrate effective operations and implementation of policy for mission success in support of emergency management, incident response and nuclear forensics mission support capability.
- CF-2.7 Sustain and improve nuclear counterterrorism and counterproliferation science, technology, and expertise.
- CF-2.8 Pursue and perform high-impact interagency work that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of future national security mission requirements.
- CF-2.9 Accomplish work within the budget profile, scope, cost, schedule, quality and risk negotiated with the program sponsors or partners.

#### Site Specific Outcome:

- SSO 2.1: Perform activities necessary in H-Canyon and HB-Line to produce plutonium oxide analyzed to be acceptable feedstock from non-pit plutonium currently stored in K-Area, in accordance with the requirements contained in the FY 14 Work Authorization and Execution Plan.
- SSO 2.2: Perform plutonium feed material characterization activities in accordance with the NNSA-approved plan for the non-pit plutonium material (AFS-1 and AFS-2) currently stored at SRS to demonstrate acceptability as feedstock and to support aqueous blend strategies in H-Canyon during operations. [MIFT Scope]

# PO-3: Science, Technology, and Engineering (ST&E) and Other DOE Mission Objectives - NA-1.1 & FOM - (At-Risk Fee: 12.5%)

Successfully advance national security missions and advance the frontiers of ST&E in accordance with budget profile, scope, cost, schedule and risk while achieving the expected level of quality. Execute other DOE Mission Objectives for programs such as Environmental Management in accordance with the budget profile, scope, cost and schedule. Effectively manage Plant Directed Research and Development Programs (PDRD) to advance the frontiers of ST&E. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-3.1 Implement a research strategy that is clear and aligns discretionary investments (e.g., PDRD) with the research strategy and support DOE/NNSA priorities.
- CF-3.2 Ensure that research is relevant, enables the national security missions, and benefits DOE/NNSA and the nation.
- CF-3.3 Ensure that research is transformative, innovative, leading edge, high quality, and advances the frontiers of science and engineering.
- CF-3.4 Maintain a healthy and vibrant research environment that enhances technical workforce competencies and research capabilities.
- CF-3.5 Perform research to accomplish the high priority, multi-year research objectives, advance ST&E, and develop technologies for the public good through technology transfer.
- CF-3.6 Pursue and perform high impact work that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of future national security mission requirements.
- CF-3.7 Accomplish work within the budget profile, scope, cost, schedule, risk, and quality negotiated with the program sponsors or partners.

#### Site Specific Outcome:

None

# PO-4: Operations & Infrastructure – NA-3 & FOM - (At-Risk Fee: 25%)

Effectively and efficiently manage the safe & secure operations of the Plant while maintaining an NNSA enterprise-wide focus; demonstrate accountability for mission performance and management controls; assure mission commitments are met with high-quality products and services; and maintain excellence as a 21<sup>st</sup> century government-owned, contractor-operated facility.

#### **Contributing Factors:**

- CF-4.1 Deliver effective, efficient, and responsive environment, safety and health (ES&H) management and processes.
- CF-4.2 Accomplish capital projects in accordance with scope, cost, and schedule baselines.
- CF-4.3 Deliver effective, efficient, and responsive physical, information and cyber security management and processes.
- CF-4.4 Maintain, operate and modernize the DOE/NNSA facilities, infrastructure, and equipment in an effective, energy efficient manner; including disposition of unneeded infrastructure and excess hazardous materials.
- CF-4.5 Deliver efficient, effective and responsible business operations and systems.
- CF-4.6 Deliver efficient and effective management of legal risk and incorporation of best legal practices.

#### Site Specific Outcome:

- SSO 4.1: Execute funded scope in support of the Tritium Responsive Infrastructure Modifications (TRIM) Program objectives, including up-front planning for the Tritium Centric Operations Project (TCOP) line item, per the FY14 Work Authorization and Execution Plan (WAEP).
- SSO 4.2: Complete construction and initiate startup testing of the Waste Solidification building project in accordance with approved cost and schedule baselines and related work scope as defined in the FY14 WAEP.

#### PO-5: Leadership -NA-1 & FOM - (At-Risk Fee: 25%)

Successfully demonstrate leadership in supporting the direction of the overall DOE/NNSA mission, the responsiveness of the SRNS leadership team to issues and opportunities for continuous improvement internally and across the Enterprise, and parent company involvement/commitment to the overall success of the Plant and the Enterprise.

#### **Contributing Factors:**

- CF-5.1 Define and implement a realistic strategic vision for the Plant, in alignment with the NNSA Strategic Plan, which demonstrates enterprise leadership and effective collaborations across the NNSA enterprise to ensure DOE/NNSA success.
- CF-5.2 Promote a culture of critical self-assessment and transparency across all areas; instill a culture of accountability, responsibility, and performance through the entire organization; and coordinate/communicate these key issues and concerns to DOE/NNSA leadership.
- CF-5.3 Demonstrate performance results through the institutional utilization of the Management Assurance System and the leveraging of parent company resources and expertise.
- CF-5.4 Work selflessly within the DOE/NNSA complex to develop, integrate, and implement enterprise solutions that maximize program outputs at best value to the government; identify innovative business and management solutions that greatly improve enterprise-wide efficiencies.
- CF-5.5 Exhibit professional excellence in performing roles/responsibilities while pursuing opportunities for continuous learning.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	5. PROJECT I	NO. (If applicable)	
0424	12/19/2013	14E	M000627			
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CODE 798861048	FACILITY CODE		01/10/2008			
7,50001040		1 1	MENTS OF SOLICITATIONS			
tems 8 and 15, and returning consequence of the second separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF the virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received.	to the solicitation and amend DFFERS PRIOR TO THE HO r already submitted, such ch	dment numbers. FOUR AND DATE Sange may be made	PECIFIED MAY RESULT IN REJECTION (	T TO BE RECEIVED OF YOUR OFFER. (8	AT by	
12. ACCOUNTING AND APPROPRIATION DATA (If rec	uired)	Net In	crease:	\$4,585,80	3.00	
	CT/ORDER IS MODIFIED TO 1 IN ITEM 14, PURSUANT T	REFLECT THE A	IGES SET FORTH IN ITEM 14 ARE MADE  DMINISTRATIVE CHANGES (such as char Y OF FAR 43.103(b).		<del></del>	
D. OTHER (Specify type of modification	and authority)			-		
X Section I, DEAR 5232	-4 Obligation	of Funds	(2000)			
E. IMPORTANT: Contractor is not.	is required to sign this d		0	ssuing office.	<del></del>	
14 DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi Energy (DOE)), in accordance hereby obligated to CLIN 000 \$4,967,522,794.81.	fication is to with SRNS FIN	obligate PLAN 5. F	funds to CLIN 0001 (I unds in the amount of	Department \$4,585,803		
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,367,251,138.64.	entitled "Obl	igation o	f Funds," is hereby re	evised to i		
C. The contract estimated v Continued	alue and all o	ther term	s and conditions rema	in unchange	ed.	
Except as provided herein, all terms and conditions of the	ne document referenced in Ite					
15A. NAME AND TITLE OF SIGNER (Type or print)		1	A. NAME AND TITLE OF CONTRACTING	OFFICER (Type or p	rint)	
15B. CONTRACTOR/OFFEROR	15C. DATE		IMES LOVETT	#/	16C. DATE SIGNED 12/19/2013	
(Signature of person authorized to sign)			(Signature of Contracting Officer)	orhunan ra	PM 30 (REV. 10-83)	

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

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CONTINUATION SHEET	DE-AC09-08SR22470/0424	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO. (A)	SUPPLIES/SERVICES	QUANTITY (C)	דואט (D)	UNIT PRICE	AMOUNT
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES		
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0425	12/19/20	l.	14EM000627			,		
	00901	,15	7. ADMINISTERED BY (If other than Item 6) CODE 00901					
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802			Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county. State and	ZIP Code)	ا در،	A. AMENDMENT OF SOLICITATION NO.				
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421			91 X D	B. DATED (SEE ITEM 11)  DA. MODIFICATION OF CONTRACT/ORDER N DE-AC09-08SR22470  DB. DATED (SEE ITEM 13)	<b>o</b> .			
CODE 798861048	FACILITY COD	DE	- 1,	01/10/2008				
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	d prior to the ope	ning hour and date speci Net F CONTRACTS/ORDERS	In		34,667. SCRIBED IN	04 I ITEM 14.		
B. THE ABOVE NUMBERED CONTRAI eppropriation date, etc.) SET FORTH C. THIS SUPPLEMENTAL AGREEMEN	_			ADMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	in paying of	rice,		
D. OTHER (Specify type of modification	and authority)							
X Section I, DEAR 5232	-4 Oblig	ation of Fun	ds	(2000)				
E. IMPORTANT: Contractor  is not.	x is required t	o sign this document and	i retun	n0 copies to the issuin	g office.			
14. DESCRIPTION OF AMENDMENT/MODIFICATION  A. The purpose of this modi  Commercial), in accordance w hereby obligated to CLIN 000  \$4,967,607,461.85.	fication ith SRNS 1, there	is to obliga FINPLAN 5. I by increasing	ate Fund g i	funds to CLIN 0001 (Reids in the amount of \$84, t from \$4,967,522,794.81	mbursa 667.04 to	are		
<ul> <li>B. As a result of this modiand Price/Cost, paragraph B, the total amount of funds ob \$6,367,335,805.68.</li> <li>C. The contract estimated v Continued</li> <li>Except as provided herein, all terms and conditions of the conditions of the conditions.</li> </ul>	entitle ligated alue and	d "Obligation to the contra all other to	n o act erm	f Funds," is hereby revi from \$6,367,251,138.64 s and conditions remain	sed to to unchan	increase		
15A. NAME AND TITLE OF SIGNER (Type or print)			16/	A NAME AND TITLE OF CONTRACTING OFFI				
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		B. UNITED STATES OF AMERICA		16C. DATE SIGNED		
(Signature of person authorized to sign)	<del></del>		-	(Signature of Contracting Officer)		12/19/2013		

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

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NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

M NO. A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	דואט (D)	UNIT PRICE (E)	AMOUNT (F)
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DAT	TE 14	1. REQ	UISITION/PURCHASE REQ. NO.	5. PRO	1 2 JECT NO. (If applicable)	
0426	12/19/2013	٠- ا		000627			
6. ISSUED BY CODE	00901		7. ADN	(INISTERED BY (If other than Item 6)	CODE	00901	
Savannah River Operations			Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802				
B 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			9B. K 10A DE	AMENDMENT OF SOLICITATION NO.  DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NO.  -AC09-08SR22470  B. DATED (SEE ITEM 13)	10.		
CODE 798861048	FACILITY CODE		0	1/10/2008			
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separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (if rec	OFFERS PRIOR TO ar already submitted, d prior to the opening	THE HOUR AND DA' such change may be hour and date specifi	TE SPE made b ied.	ECIFIED MAY RESULT IN REJECTION OF YOU  y telegram or letter, provided each telegram or	OUR OF	FER. If by	
The state of the s	,	Net	TIJC	rease: \$	<b>∠,</b> 933	3,033.20	
	CT/ORDER IS MODI H IN ITEM 14, PURS	FIED TO REFLECT T UANT TO THE AUTH	HE AD	SES SET FORTH IN ITEM 14 ARE MADE IN T MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).			
D. OTHER (Specify type of modification	and authority)						
X   Section I, DEAR 5232		_					
E. IMPORTANT: Contractor  is not.	x is required to sig	gn this document and	return	O copies to the issuin	g office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modifor Other Federal Agency), i \$2,933,033.26 are hereby obl  1) Department of Defense: \$ 2) Department of Homeland S 3) Executive Office of the 4) Other: \$3,200,000.00	fication in accordance igated to 30,000.00 security: (	s to obliga ce with SRN CLIN 0001,	te IS F as	funds to CLIN 0001 (Rei INPLAN 5. Funds in the	mbur.		
Thereby increasing it from \$	4,967,607,	461.85 to \$	4,9	70,540,495.11.			
Continued							
Except as provided herein, all terms and conditions of the second transfer of the second tr	he document referend	ced in Item 9A or 10A,	16A.	retofore changed, remains unchanged and in for NAME AND TITLE OF CONTRACTING OFFI THES LOVETT			
15B. CONTRACTOR/OFFEROR	150	C. DATE SIGNED	ــــــ	UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign) NSN 7540-01-152-8070			/	(Signature of Contracting Officer)	TANDAF	RD FORM 30 (REV. 10-83)	

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CONTINUATION SHEET	DE-AC09-08SR22470/0426	2	2	

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	B. As a result of this modification, Part I -				
	Schedule, Section B, Supplies or Services and				
	Price/Cost, paragraph B, entitled "Obligation of				
	Funds," is hereby revised to increase the total				
	amount of funds obligated to the contract from				
	\$6,367,335,805.68 to \$6,370,268,838.94.		ļ		
	C. The contract estimated value and all other		ĺl	Î	
	terms and conditions remain unchanged.	ļ			
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0427	12/30/2013	,				
6. ISSUED BY CODE	00901	7. ADMINISTERED BY (If other than Item 6)	CODE 00901			
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802				
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and ZIP Code)	(x) 9A. AMENDMENT OF SOLICITATION NO.				
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LLC	9B. DATED (SEE ITEM 11)  x 10A. MODIFICATION OF CONTRACT/ORDER DE-AC09-08 SR 22 4 7 0  10B. DATED (SEE ITEM 13)	NO.			
CODE 798861048	FACILITY CODE	01/10/2008				
	11. THIS ITEM ONLY APPLIES TO	O AMENDMENTS OF SOLICITATIONS				
Items 8 and 15, and returning co separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If rec	pies of the amendment; (b) By acknowed to the solicitation and amendment num OFFERS PRIOR TO THE HOUR AND at already submitted, such change may deprior to the opening hour and date spapired)  Appropriation Data	he solicitation or as amended, by one of the following my dedging receipt of this amendment on each copy of the or mbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO DATE SPECIFIED MAY RESULT IN REJECTION OF by be made by telegram or letter, provided each telegram pecified.  ERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIPTION OF STATE OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF STATE OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO. AS DESCRIPTION OF THE CONTRACT/ORDER NO.	offer submitted; or (c) By O BE RECEIVED AT YOUR OFFER. If by or letter makes reference			
		HE CHANGES SET FORTH IN ITEM 14 ARE MADE IN				
B. THE ABOVE NUMBERED CONTRAI appropriation date, etc.) SET FORTI		CT THE ADMINISTRATIVE CHANGES (such as change UTHORITY OF FAR 43.103(b).	is in paying office,			
D. OTHER (Specify type of modification						
X   DEAR 970.5243-1 Char	<u></u>	and enture	in affin			
E. IMPORTANT: Contractor X is not.		and return copies to the issu including solicitation/contract subject matter where fea-	<u> </u>			
	fication is to inco	prporate the revisions cite	-			
<ol> <li>Appendix D, Key Personnel</li> <li>Appendix P, Contracting C</li> </ol>		ves (CORs)				
The revised Appendix D and P hereto.	are hereby superse	eded, and replaced with atta	chment 1, and 2,			
B. The contract estimated v	alue and all other	terms and conditions remain	unchanged.			
Continued						
	ne document referenced in Item 9A or	10A, as heretofore changed, remains unchanged and in				
15A. NAME AND TITLE OF SIGNER (Type or print)		James Lovett	-IUEK ( <i>Type or pfint)</i>			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED		16C. DATE SIGNED 12/30/2013			
NSN 7540-01-152-8070			STANDARD FORM 30 (REV. 10-83)			
Previous edition unusable			Prescribed by GSA FAR (48 CFR) 53.243			

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NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS. LLC

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# Attachment 1

# SECTION J – LIST OF ATTACHMENTS APPENDIX D KEY PERSONNEL

# PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

# **SECTION J – LIST OF ATTACHMENTS**

#### APPENDIX D

#### **KEY PERSONNEL**

Pursuant to the clause entitled "Key Personnel," the following positions are considered to be essential to work being performed. (Mod 0426)

Name	<u>Title</u>
Wilson, Dwayne	President and Chief Executive Officer
Dohse, Fred	Executive Vice President and Chief Operating Officer
Michalske, Terry A	Executive Vice President & Laboratory Director- Savannah River National Laboratory
Eyler, David E	Senior Vice President & Deputy Laboratory Director-Savannah River National Laboratory
Donati, Dennis	Senior Vice President - NNSA Operations & Programs
Hunt, Paul	Senior Vice President – Environmental  Management Operations
Davis, Margaret A	
Bilson, Helen E	Senior Vice President, Corporate Services
Curtis, Jennifer	Vice President & General Counsel
Doswell, Alice C	Senior Vice President – Environment, Safety, Security & Health

# Attachment 2

# SECTION J – LIST OF ATTACHMENTS APPENDIX P CONTRACTIG OFFICER REPRESENTATIVES (CORs)

### Section J- List Attachments APPENDIX P Contracting Officer Representatives (CORs)

Savannah River Nuclear Solutions Contracting Officer Representatives (CORs) Contract No. DE-AC09-08SR22470

COR NAME	TYPE OF COR	AREA OF AUTHORITY	DATE OF DESIGNATI ON	COR'S DOE POSITION
Douglas Dearolph	Special Area COR NNSA Only	Site Office Mgr. NNSA SRSO Only	07/09/2009	Site Office Mgr. NNSA SRSO
Michelle M. Ewart	Alternate, PDCF, NNSA Only	WSB, NNSA Only	11/21/2008	WSB Deputy FPD, NNSA SRSO
Scott C. Cannon	Special Area COR NNSA Only	WSB, FPD, NNSA Only	10/17/2011	WSB FPD, NNSA SRSO
Christina T. Edward	Special Area COR NNSA Only	NNSA only – Region 3 Regional Response Coordinator, Radiological Assistance Program, NNSA	05/21/2008	Region 3 Response Coordinator, NNSA
N. Carroll McFall	Special Area COR NNSA Only	NNSA only – NNSA SRSO	07/09/2009	NNSA – SRSO Asst Mgr – Mission
Thomas Z. Cantey	Special Area COR NNSA Only	NNSA issues only	11/21/2008	FPD, Waste Solidification Bldg
James W. McCullough	Special Area COR NNSA Only	NNSA only – PDC Project SRSO	02/18/2010	WSB Lead Project Engineer NNSA SRSO
M. Roxanne Jump	Special Area COR NNSA Only	SRSO Facilities and Projects - NNSA only	07/09/2009	NNSA SRSO Asst Manager Facilities and Projects
William D. Clark	Special Area COR NNSA Only	NNSA Project Integration Division only	05/01/2008	Manager, Project Integration Division NNSA

Margaret G.	Alternate, for William D.	Alternate, for William D.	10/06/2009	Project Integration Division
Schwenker	Clark NNSA Only	Clark NNSA Project Integration Division only		NNSA SRSO
Sachilo W. McAlhany	Special Area COR NNSA Only	NNSA only – WSB Sr Tech Advisor, NA-26	04/19/2011	WSB Sr Tech Advisor, NA-26
Robert O. Baker	Special Area COR NNSA Only	NNSA only –WSB Const. Project Lead SRSO	02/18/2010	WSB Const. Project Lead SRSO
Richard W. Boyd	Special Area COR NNSA Only	NNSA only – PDC Project Lead for Ops, SRSO	02/18/2010	PDC Project Lead for Ops, SRSO
Thomas Z. Smith	Special Area COR	EM issues only	10/17/2011	EM Dep. Site Mgr., SRO
Douglas E. Hintze	Primary COR	EM Mission Support	05/01/2008	Asst. Mgr. for Mission Support
Terrel J. Spears	Special Area COR	EM Waste Disposition Projects Only	05/01/2008	Asst. Mgr. for Waste Disposition Project
James L. Folk	Special Area COR	EM Alternate, for Waste Disposition Projects Only	03/25/2009	Deputy Asst. Mgr. for Waste Disposition Project
Patrick McGuire	Special Area COR	EM Nuclear Material Stabilization Projects only	05/01/2008	Asst. Mgr. for Nuclear Material Stabilization Project
Carl Lanigan	Special Area COR	EM Nuclear Material Stabilization Project only	11/21/2008	FPD Nuclear Material
Angelia D. Adams	Special Area COR	EM Infrastructure and Environmental Stewardship Project issues Only	11/22/2013	Deputy Asst. Mgr. Infrastructure and Environmental Stewardship Project
Patrick Jackson	Special Area COR	EM Office of Laboratory Oversight WFOs issues Only	12/07/2010	Senior Program Manager, Off of Lab Oversight
Ron Bartholomew	Special Area COR	EM OSSES issues only - Safeguards, Security & Emergency Services, Management	09/26/2011	Director, Safeguards, Security & Emergency Services,

Brenda G. Mills	Special Area COR	EM OSQA issues only -	06/27/2011	Director, Safety and Quality
		Safety and Quality		Assurance
		Assurance		
Timothy Armstrong	Special Area COR	EM Organizational Property	06/10/2009	Contract Organizational
		Management Officer only		Property Management Officer
R. Kevin Rorer	Special Area COR	SRNS ARRA Property	02/18/2010	Property Management
	For ARRA	Manager issues only		Specialist
Lucy Knowles	Special Area COR	EM Site Chief Counsel for	06/26/2013	Chief Counsel
		legal issues only		
Marlenia Murray	Special Area COR	Financial issues only	11/01/2012	Financial Acquisition Analyst
Irie W. Clarke	Special Area COR	Counterintelligence – IN 30	06/15/2012	Procurement Specialist, IN-30
	_	issues only		
Phillip "Tony" Polk	Special Area COR	EM Alternate, for Nuclear	10/07/2013	Director, Nuclear Materials
	_	Material Stabilization		Programs
		Projects only		

AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	UISITION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
0428	12/31/2013				
6. ISSUED BY CODE	00901	7. ADI	MINISTERED BY (If other than Item 6)	CODE O	901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav P.O	annah River Operations Department of Energy annah River Operations Box A en SC 29802		
8. NAME AND ADDRESS OF CONTRACTOR (No., street,	county. State and ZIP Code)	, . I9A	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUTI Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	CONTRACTOR CONTRACTOR	9B	DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORDER NEACO 9 - 0 8 SR 2 2 4 7 0  B. DATED (SEE ITEM 13)	0.	
CODE 798861048	FACILITY CODE	0	1/10/2008		
<u> </u>	11. THIS ITEM ONLY APPLIES TO A	MENDA	ENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If req. No Change to Accounting and 13. THIS ITEM ONLY APPLIES TO MO	OFFERS PRIOR TO THE HOUR AND Di elerady submitted, such change may be prior to the opening hour and date spec uired) Appropriation Data	ATE SPI e made l cified	ECIFIED MAY RESULT IN REJECTION OF YO	OUR OFFER. r letter makes	If by reference
Final dates Control Section 3 - Section 40 to the America	T/ORDER IS MODIFIED TO REFLECT IN ITEM 14, PURSUANT TO THE AUT	THE AD HORITY	GES SET FORTH IN ITEM 14 ARE MADE IN TO MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).		
D. OTHER (Specify type of modification a	SCHOOLSHAPEROUN (COOLS & €				
X   DEAR 970.5211-1 Work			<u>VI.</u>		
E.IMPORTANT: Contractor Sis not.  14. DESCRIPTION OF AMENDMENT/MODIFICATION (A. The purpose of this modification) (B.I./W/SR1-14, for Workforce Dehereto. Funds were previous) (C.I./W/SR1-14)	fication is to incorp evelopment for Teach Ly allocated by sepa	pora ers rate	colicitation/contract subject matter where feasible te Contract Work Author: and Scientist, see Attack modification, reference	ole.) ization chment e SRNS	1-A,
B. This modification formall authorization as part of the (May 2007), paragraph (b), thunilaterally shall become a part of the contract estimated variations.	contract. As state ne work authorization part of the contract alue and all other to	ed u n, w ·	nder DEAR 970.5211-1 Workether issued bilateral	rk Auth ly or unchang	ed.
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced in Item 9A or 10A	-	etofore changed, remains unchanged and in fu NAME AND TITLE OF CONTRACTING OFFIC		
The or dioner (Type of pint)		2007		ER (Type or	print)
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED		ie A. Garvin		LICO DATE SIGNED
(Signature of person authorized to sign)		T.	JNITED STATES OF AMERICA  (Signature of Contracting Officer)		16C. DATE SIGNED 12/31/2013
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NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

# Contract Work Authorization Supporting Documentation Index

Document No.	Work Proposal Number	Project Title
A	KL/W/SR1-14	Workforce Development for Teachers and Scientist (7 pages, DOE-SR generated form with reviewers and approval concurrence, Hqts Memorandum, SC-41 Work Authorization. Funds allocated under FINPLAN #5.
В	FINPLAN #5	1 of 7 pages

Note: Funding previously allocated under FINPLAN 5, FY 2014. The Contract Work Authorization was reviewed via DOE- SR Electronic System for Approval (the generated Contract Work Authorization with the reviewers and/or approvals concurrences is considered the validated signed copy by all parties, inclusive of the above supporting documentation for official contract file for Modification No. 0428/STRIPE Procurement System.

## Supporting Documentation No. A

Work Authorization Number KL/W/SR1-14 Revision Number 0	CONTRA If you need	ACT WOF	IENT OF ENRY AUTHOR See with this feekum 5-538	RIZATION orm contact		Tracking Number CWA-2014-00017
1a. Project Title: Workforce Development for Teach	ers and Scientist	1b. Work Various	Proposal Numi	oer (if applicable		Performing Organization RNL SRNS
2. Headquarters Program Point of	Contact.					
Name: Patricia M. Dehmer	Organizatio	on Code: SC	-27	Telep	ohone No.: 202	-287-6490
<ol><li>Headquarters Budget Point of C</li></ol>						
Name: Andrea Condrad	Organization	on Code: SC	-41	Telep	ohone No.: 301	-903-3310
Responsible Program:     Workforce Development for Teach	ers and Scientists		5. Responsible Office of Scient	e Secretarial Of nce	ficer:	
6. Responsible Field Organization						
U.S. Department of Energy (DOE),	Savannah River Operati	ons (SR)				
7a. Site and Facility Management ( Savannah River Nuclear Solutions,	Contractor: LLC		ntractor Point o John Temple	f Contact:	Telepho	ne No.: 803-952-7210
			150000000000000000000000000000000000000		ALLOCATION OF OLLAS SON	5 (PROCESTY) (PROCESTED (PROCESSED OF THE ACTIVITIES OF THE SECOND SECON
8. Work Authorization Number: KL/W/SR1-14			9. Revision No 0	umber:*		
10. Funds Authorized (See note be	low)					
Work subject to funds availability an		tached Inte	ernshins and Vi	siting Faculty Ac	rtivities SULL(K	1 -10-01/ \$20 000 in EV
2014 funding provided for support of				oning raddity ric	SUVILIOS COLI (II	10 01( \$20,000 m) 1
Date B&R Code			ect Value	Previous:	Change	e: Current:
12/3/13 KL1001000	)			0.00	20,000.	
11. Performance Period Covered b	y Funds. (See NOTE in	12. Wo	ork Start Date:		13. Expecte	d Completion Date:
block 10)						
From: 10/01/2013	o: 09/30/2014	10/01/2	2013		09/30/2014	
14. Statement of Work (includes at	tachments)		iller and a second			
The FY 2014 Approved Funding Pr generally consistent with the Field The Office of Workforce Developm of the workers, the public, and the all WDTS managers and WDTS su conducted safely and in an environ for the Workforce Development for	ogram provides funding to Work Proposal submissic ent for Teachers and Sci- environment. Protecting to pported staff. Funds proventally conscientious mentally	ons and mod entists (WD7 he workers, vided by WD nanner. Only	ifications and s (S) is committe the public and (TS will be appli work conducte	pecific guidance d to conducting the environment ed as necessan d in this way wil	e provided by the work in a manret t is a direct and by to ensure that Il be supported.	e enclosed memorandum. her that ensures protection individual responsibility of all WDTS activities are The following are required
15. Technical Point of Contact						
Name Natalie Ferguson/SRNL/Srs	SRS Technica	Title al Point of Co	ontact	Em natalie.fergusor		Phone (803) 725-2600
SRS Technical Point of Contact Ma						110 TB
Name Steve Wach/SRNL/Srs	SRS Technical Poi	Title nt of Contac	t Manager	Em steve.wach@	Control of the contro	Phone (803) 725-3020
16. DOE-SR Program Point of Contact	17. DOE-SR Field Bud	lget Official	COMPANY OF MANY OF MANY	ctor's Authorize resentative.	2011 CO. 1 C	DE Contracting Officer (or egated representative).
Patrick Jackson/DOE/Srs	Harold Nielsen/DC	DE/Srs		mple/SRNS/Srs		mes Lovett/DOE/Srs
CONTRACTOR OF THE PROPERTY OF	NACO CONTRACTOR DE CONTRACTOR	ANN HOLD LOANS	Contraction of the contraction o	CHARLES WAS THE REAL PROPERTY OF THE PARTY O	THE RESERVE THE SECOND	CONTROL OF STREET, CONTROL OF ST

nryn Davis has uirements."	s pressed the button, "I accept the scope and funding	requirements and have no issues meeting the	12/16/2013 03:52 P
E-SR Prog PC	ocl		
- O. ( ) 10g ( C	I	horization Brogram	1
		horization Program  ppliance Checksheet	
oject Title	DOE Order 412 Con	Work Authorization Number	
	elopment for Teachers and Scientist	KL/W/SR1-14	
	At a minimum, each work authorization		
Yes O No	Project title and reference to work proposal number,		
Yes O No	Headquarters programmatic point of contact, organi	·	
Yes O No	Headquarters budget point of contact, organization	code, and telephone number	
Yes O No	Responsible program		
Yes O No	Responsible program Secretarial Officer		
Yes O No	Responsible field organization		
Yes O No	Responsible contracting officer if different from above		
Yes O No	Site/facility management contractor name, point of c	· · · · · · · · · · · · · · · · · · ·	
Yes O No	Work authorization number, with revision number if	applicable	
Yes O No	Budget and reporting code and funding level		
Yes O No	Dates for performance period, work start, and work	completion	
	Statement of work (see paragraph below)		
Yes O No	Headquarters, field organization, contractor, and if in signature blocks	nvolving changes to scope, schedule, or funding, co	intracting officer
Yes O No	Reporting requirements, including (a) project managor of informing DOE, the scientific community, and the progress)	pement or status reports and (b) reports or publication public of the project results (e.g., scientific advance	ons for the purpose es or technical
		following information as appropriate:	
Yes O No	Detailed statement of work to be performed or reference the scope of work in detail	ence to a work proposal, project plan, or similar doc	ument describing
Yes O No	Required milestone dates		
Yes O No	Deliverables, including technical information as required Management	ired by DOE O 241.1A, Scientific and Technical Inf	ormation
Yes O No	Associated performance-based indicators/targets co	onsistent with DOE G 120.1-5, Guidelines for Performance in the control of the co	mance
	Measurement, and any additional guidance that will Reviewer's	assist the contractor in the performance of the work	<u>.                                    </u>
nie authoriza	tion is: Accepted. If rejected, then comments ar	e provided in this space	
	ram Point of Contact	Date	
atrick Jackso	n/DOE/Srs	12/05/2013 09:01 AM	
	1		
E-SR Field Bu	udget Official		
ARS databas	e search complete and results attached to WAD pac	kage?	<b>■</b> YC

		10 y ( )
Is this funding in the Fin Plan? Necessary expense:		
	he appropriation sought to be charged? In other words, does it must make a ropriation or an authorized agency function for which more general	OYO
2. Is the expenditure prohibited by law?		OY
3. Is the expenditure otherwise provided for, that is, is funding scheme?	it an item that falls within the scope of some other appropriation or statutory	OY
		ranco ambanan ana ana ana ana ana ana ana ana an
Contract Mod Admin		
Contract Mod Admin  Contract Mod #	Attach Signed Mod	

Notify on Approval

General Comment

Submitted By	Comment	
Christine Corbin	Mod 0428 anticipated release date Jan 7, 2014, see FINLAN #5	
	Secretary and the secretary an	Contraction Advance of the Contraction of the Contr

PKG KL W SR1 14 R0.pdf Tracking Number CWA-2014-00017.pdf CWA-2014-00017.pdf

Work Authoriz	ation: In Process				
Approvers	Title	Assigned	Received	Status Changed	Status
John Temple	SRNS Contractor Auth Rep	12/16/2013 03:52:27 PM	12/16/2013 04:58:45 PM	12/16/2013 04:59:26 PM	Concur
James Lovett	DOE-SR Contract Officer	12/16/2013 04:59:27 PM	12/19/2013 09:04:47 AM	12/19/2013 09:05:36 AM	Concur
		26			

Christine Corbin	DOE-SR Contract Mod Admin	12/19/2013 09:05:37 AM	12/19/2013 01:31:35 PM	12/31/2013 11:39:19 AM	Concur
Kathryn Davis	SRNS Contracts	12/31/2013 11:39:20 AM			-

Previous Process - Work Authorization: Approved on 12/16/2013					
Approvers	Title	Assigned	Received	Status Changed	Status
Natalie Ferguson		12/05/2013 09:08:14 AM			
John Christian		12/10/2013 01:50:13 PM			
Patrick Jackson		12/10/2013 01:58:50 PM			
Harold Nielsen	DOE-SR Program POC DOE-SR Field Budge Off	12/10/2013 04:02:56 PM	12/16/2013 02:36:57 PM	12/16/2013 02:41:03 PM	Concur

#### **Approver Comments**

#### Reviewers

Name	Date Time	Action
Sharon Hunter	12/5/2013 9:12:35 AM	Reviewed
Kathryn Davis	12/16/2013 3:52:06 PM	Reviewed



# Department of Energy Office of Science Washington, DC 20585

DEC 3 2013

**MEMORANDUM FOR:** 

DR. DAVID MOODY

MANAGER

SAVANNAH RIVER

FROM:

PATRICIA M. DEHMER Yahrara Sh.

DEPUTY DIRECTOR FOR SCIENCE PROGRAMS

OFFICE OF SCIENCE

SUBJECT:

FY 2014 Office of Science Approved Funding Program -

Savannah River Nuclear Solutions

The attached budget detail and program comments relate to the December AFP recently submitted to the Chief Financial Officer for the Workforce Development for Teachers and Scientists program.

Also attached, in accordance with DOE Order 412.1A, is the FY 2014 Work Authorization for the M&O contract with Savannah River Nuclear Solutions to support funding in the December AFP.

There should not be any variance in performance from this guidance during the year prior to changes being coordinated and approved by the appropriate Headquarters program manager and documented by a program letter from Headquarters. This is essential to maintain accountability for the utilization of these funds.

If you have any questions regarding the attached please call Andrea Condrad (301-903-3310) or the appropriate program manager at Headquarters.

#### Attachment

cc:

L. Roberson, SR

D. Ryan, AMEST, SR

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION									
1a. Project Title: 1b. Work Proposal Number (if applicable):									
Workforce Development for Teachers and		Various							
2. Headquarters Program Point of Contact.									
Name: Patricia M. Dehmer	Organization	Coda;	SC-27	Telephone No.:	(202) 287-6490				
3. Headquarters Budget Point of Contact.									
Name: Andrea Condrad	Organization	Code:	SC-41	Telephone No.:	(301) 903-3310				
4. Responsible Program:		5. Res	ponsible Secret	arial Officer:					
Workforce Development for Teachers and	Students	Unde	r Secretary	for Science					
6. Responsible Field Organization:									
Savannah River Operations Office									
7a. Site and Facility Management Contractor.	7b. Contracto	r Point o	Contact.						
Savannah River Nuclear Solutions, LLC	Name:			Telephone No.:	· .				
8. Work Authorization Number:		9. Revi	slon Number:						
KL/ W/SR1/14		00							
10. Funds Authorized (\$ in thousands).									
B&R Code: KL   OO   OO oPrevious: \$0		Chan	ge: \$+20	Current: \$20	*				
11. Performance Period Covered by Funds.	12. Wor	k Start D	ate:	13. Expected Completi	on Date:				
From: 10/01/13 To: 09/30/14	10/01	/13		09/30/14					
14. Statement of Work:  The FY 2014 Approved Funding Program provides funding to accomplish Workforce Development for Teachers and Scientists activities, generally consistent with the Field Work Proposal submissions and modifications and specific guidance provided by the enclosed memorandum.  The Office of Workforce Development for Teachers and Scientists (WDTS) is committed to conducting work 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 WDTS managers and WDTS-supported staff. Funds provided by WDTS will be applied as necessary to ensure that all WDTS activities are conducted safely and in an environmentally conscientious manner. Only work conducted in this way will be supported.									
15. Reporting Requirements (Status reports, scientific and The following are required for the Work analysis reports as produced, a fiscal year	cforce Dev	elopme	ent for Teac		s program:				
16. Work Authorization Program Official. Name (typed): Patricia M. Dehmer	Signature:	stree	is B. D	Date: "/	12/200				
17. DOE Field Organization Official.	Olamak			Date					
Name (typed):	Signature:			Date:					
18. Contractor's Authorized Representative. Name (typed):	Signature:			Date:					
19. DOE Contracting Officer (or delegated representative) Name (typed):	Signature:			Date:					

<sup>\*</sup>Includes Operating of \$20,000.

# Workforce Development for Teachers and Scientists FY 2014 December Program Guidance Attachment

### Savannah River National Laboratory (410003)

Internships and Visiting Faculty Activities

**SULI (KL-10-01)** 

\$20,000 in FY 2014 funding is provided for support of up to 2 2014 Summer Term SULI participants.

B-R KL1001000

## Supporting Documentation No. B

Page 1 of 7 Report: RFP0001

Report Generated on: December 19, 2013 at 01:19:58 PM

## Financial Plan Report - Detail

SR22470 - Savannah River Nuclear Solutions (SRNS)

Contract Modification Number: A0424 THRU A0426	
Rpt Entity: SR Savannah River Nuclear Solutions, LLC	

Financial Plan Number: 5

Rpt Entity	Fund Code	Leg FT	Program	Legacy B&R	Obj.	Local Use	Project	WFO	Legacy Order Number		deginning costed Obs	Previous	BA Change	Revised	Total Available
410003	00500	WA	2924406	KL1001000	25400	0000000	0000000	0000000	KL/WISRI-	14	1,135.69	0.00	20,000.00	20,000.00	21,135.69
410003	00300	WA	2324400	KETOOTOOO	20400		100000000000		trol Point: KL0000000	'	1,135.69	0.00	20,000.00	20,000.00	21,135.69
								Total for	Fund: 00500	75.00	1,135.69	0.00	20,000.00	20,000.00	21,135.69
410003	00900	TC	2222366	DP090143M	25400	0000000	0000000	0000000			1,355,326.03	6,500,000.00	400,000.00	6,900,000.00	8,255,326.03
410003	00300	.0	2222000	DI 030140IN	20400				trol Point: DP0901431	P. Jay	1,355,326.03	6,500,000.00	400,000.00	6,900,000.00	8,255,326.03
410003	00900	TC	2220676	DP0904000	25400	0000000	0000000	0000000			754,394.21	800,000.00	-250,000.00	550,000.00	1,304,394.21
410000	00000	10	LLLOOFO	D1 0001000	20100				trol Point: DP0904000	H W	754,394.21	800,000.00	-250,000.00	550,000.00	1,304,394.21
J03	00900	TC	2222063	DP1304010	25400	0000000	0000000	0000000			220,552.78	250,000.00	50,000.00	300,000.00	520,552.78
303	00900	10	2222003	DF 1304010	20400				trol Point: DP1304000		220,552.78	250,000.00	50,000.00	300,000.00	520,552.78
44,0000	00000	TC	2221785	DP4015032	25400	0000000	0000000	0000000			117,250,34	0.00	50,000.00	50,000.00	167,250.34
410003	00900	10	2221700	DP4013032	25400				trol Point: DP4000000	-	117,250.34	0.00	50,000.00	50,000.00	167,250.34
12.020-00-0	1000000	1223	100000000000000000000000000000000000000		22.022				ard Foliat. DF 4000000		255				
410003	00900	TC TC	2221076 2221079	FS2006000 FS2009000	25400 25400	0000000	0000000	0000000			27,107.74 223,231.32	20,000.00 625,000.00	-20,000.00 20,000.00	0.00 645,000.00	27,107.74 868,231.32
410003	00900	10	2221079	F52009000	25400				trol Point: FS2000000		500 000 E 0 000 000 000		7007000		895,339.06
					25122				troi Fornt. 1 32000000		250,339.06	645,000.00	0.00	645,000.00	1,489,673.00
410003	00900	TC	2222766	MB0101040	25400	0000000	0000000	0000000	Delet NEO404040		214,673.00	875,000.00	400,000.00	1,275,000.00	20000000000000000000000000000000000000
							-10		rol Point: MB0101010		214,673.00	875,000.00	400,000.00	1,275,000.00	1,489,673.00
410003	00900	TC	2222768	MB0102020	25400	0000000	0000000	0000000			552,345.68	775,000.00	-200,000.00	575,000.00	1,127,345.68
410003	00900	TC	2222768	MB0102020	31003	0410000	0000000	0000000			997,447.52	0.00	-200,000.00	-200,000.00	797,447.52
						Total	for Program	Parent/Cont	rol Point: MB0102010		1,549,793.20	775,000.00	-400,000.00	375,000.00	1,924,793.20
410003	00900	TC	2222770	MB0201020	25400	0000000	0000000	0000000			443,808.75	400,000.00	-400,000.00	0.00	443,808.75
						Total	for Program	Parent/Conf	trol Point: MB0201010		443,808.75	400,000.00	-400,000.00	0.00	443,808.75
410003	00900	TC	2222773	MB0203020	25400	0000000	0000000	0000000			321,472.57	250,000.00	50,000.00	300,000.00	621,472.57
						Total	for Program	Parent/Conf	rol Point: MB0203010		321,472.57	250,000.00	50,000.00	300,000.00	621,472.57
410003	00900	TC	2222775	MB0204020	25400	0000000	0000000	0000000			740,436.30	250,000.00	-250,000.00	0.00	740,436.30
						Total	for Program	Parent/Conf	trol Point: MB0204010	T N S	740,436.30	250,000.00	-250,000.00	0.00	740,436.30
410003	00900	TC	2222780	MB0206020	25400	0000000	0000000	0000000			1,085,633.97	725,000.00	-100,000.00	625,000.00	1,710,633.97
						Total	for Program	Parent/Conf	trol Point: MB0206010		1,085,633.97	725,000.00	-100,000.00	625,000.00	1,710,633.97
410003	00900	TC	2222784	MB0208020	25400	0000000	0000000	0000000			360,341.79	375,000.00	750,000.00	1,125,000.00	1,485,341.79
						Total	for Program	Parent/Conf	trol Point: MB0208010	75 8/6	360,341.79	375,000.00	750,000.00	1,125,000.00	1,485,341.79
410003	00900	TC	2222794	MB0302000	25400	0000000	0000000	0000000			142,002.22	50,000.00	-50,000.00	0.00	142,002.22
		VAR							rol Point: MB0301000	- N	142,002.22	50,000.00	-50,000.00	0.00	142,002,22
410003	00900	TC	2222788	MB0402000	25400	0000000	0000000	0000000			2,451,227.54	850,830.38	2,250,000.00	3,100,830,38	5,552,057.92
	55500	. •							trol Point: MB0402000	8/A 10	2,451,227,54	850,830.38	2,250,000.00	3,100,830.38	5,552,057.92
410003	00900	TC	2222789	MB0405000	25400	0000000	0000000	0000000	r anner succession de l'au l'impérie de l'améric de l'améric de l'améric de l'améric de l'améric de l'améric d		2,241,050.23	5,000,000.00	-2,500,000.00	2,500,000.00	4,741,050.23
710000	00300	10	2222103	HIDO-TOJOOU	20400				rol Point: MB0405000	n-13 - c	2,241,050.23	5.000,000.00	-2,500,000.00	2,500,000.00	4,741,050.23

AMENDMENT OF SOLICITATION/MODIFIC		1. CONTRACT ID CODE		PAGE OF PAGES				
2 AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	I 4. REQ	UISITION/PURCHASE REQ. NO.		1 2 OJECT NO. (If applicable)			
0429	01/08/2014				,			
6 ISSUED BY CODE	00901	7. ADA	MINISTERED BY (If other than item 6)	CODE	00901			
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	U.S Sava P.O	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802						
8. NAME AND ADDRESS OF CONTRACTOR (No., stroot	, county, State and ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.					
SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LLC	9B.	DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORI E-AC09-08SR22470  B. DATED (SEE ITEM 13)	DER NO.				
CODE 798861048	FACILITY CODE	□       0	1/10/2008					
	11. THIS ITEM ONLY APPLIES				,			
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received.  12. ACCOUNTING AND APPROPRIATION DATA (If req. No Change to Accounting and 13. THIS ITEM ONLY APPLIES TO M.	r already submitted, such change mo d prior to the opening hour and date s nuired) Appropriation Data	ay be made t specified.		gram or letter	makes reference			
CHECK ONE A THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.  B THE ABOVE NUMBERED CONTRACT								
B THE ABOVE NUMBERED CONTRAG appropriation date, etc.) SET FORTH								
D. OTHER (Specify type of modification	and authority)							
X DEAR 970.5211-1 Work	Authorization (Ma	ay 2007	')					
E. IMPORTANT: Contractor Sis not.	is required to sign this documen	nt and return	copies to the	issuing office	· · · · · · · · · · · · · · · · · · ·			
14 DESCRIPTION OF AMENDMENTAMODIFICATION The purpose of this modifica provide a replacement page f	tion is to incorpo	rate s	ix Contract Work Aut	horizat				
A. The contract work author	izations listed be	elow ar	e hereby incorporate	ed:				
1) No. HI-410003-14, Rev. 2 2) No. 89X0319-14, Rev 1, f 3) No. PC410003-14, Rev 1, Operations Support (see Atta 4) No.410003-TS-14, Rev. 2, 5) No. SS410225-14, for Str Continued	or Fuel Cycle Tech for Packaging and chment 1-C) for SRNL Technica	nologi Certif 1 Supp	es (see Attachment 1 ication and Transporort (see Attachment	-B) ation 1-D)				
Except as provided herein, all terms and conditions of the	e document referenced in Item 9A or							
15A NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING	OFFICER (7	Type or print)			
15B CONTRACTOR/OFFEROR	15C DATE SIGNE	-+	UNITED STATES OF AMERICA	1	16C DATE SIGNED 01/08/2014			
(Signature of person authorized to sign)			(Signuture of Contracting Officer)		RD FORM 30 (REV. 10-83)			
NSN 7540-01-152-8070 Previous edition unusable		_		Prescribe	IND FORM 30 (REV. 10-83) ad by GSA CFR) 53.243			

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	F
CONTINUATION SHEET	DE-AC09-08SR22470/0429	2	2

EM NO.	SUPPLIES/SERVICES	QUANTITY	1 1	UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	6) No. WW-41003-14, Rev 1, for Wind and				
	Hydropower Tech Program (see Attachment 1-E)		[		
	Funds were previously allocated by separate				
	modification, reference SRNS Financial Plan #5, for Fiscal Year 2014, a copy is provided as				
	Attachment 1-G, hereto.				
	Accachinent 1-6, hereto.		ΙÍ		
	B. This modification formally incorporates the		1 1		
	above referenced contract work authorizations as		ΙI		
	part of the contract. As stated under DEAR		1 1		
	970.5211-1 Work Authorization (May 2007),				
	paragraph (b), the work authorization, whether	Ĭ	1 1	ľ	
	issued bilaterally or unilaterally shall become a		ĺΙ		
	part of the contract.		ΙI	1	
	C. Under Mod 0427, Section J - List of				
	Attachments, Appendix D, Key Personnel, is hereby				
	deleted and replaced with the revised page				
	attached hereto under Attachment 1-H. The			ŀ	
	reference modification in the first paragraph of	1			
	the Key Personnel list as read "Mod 0426," is	1			
	changed to read "Mod 0427."		ll		
	D. The contract estimated value and all other	ĺ		{	
	terms and conditions remain unchanged.				
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AMENDMENT/MODIFICATION NO	3 EFFECTIVE DATE	4 REQUISITION/PURCHASE REQ. NO.	1 1 5. PROJECT NO. (If applicable)						
0430	01/16/2014								
I ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6)	CODE 00901						
Savannah River Operations J.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S. Department of Ener	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A						
NAME AND ADDRESS OF SOUTHANDERS		IBA AMENDMENT OF SOLICITATION NO							
AVANNAH RIVER NUCLEAR SOLUT ttn: LLOYD CLEVINGER 03 LAURENS ST SW IKEN SC 298012421		9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/OR DE - ACO 9 - 0.8 SR2 2 4 7 0							
CODE 798861048	FACILITY CODE	01/10/2008							
790001040	COMPANYON PROCESSOR	ES TO AMENDMENTS OF SOLICITATIONS							
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an of to the solicitation and this amendment, and is received. ACCOUNTING AND APPROPRIATION DATA (If it is not change to Accounting and 13. THIS ITEM ONLY APPLIES TO	F OFFERS PRIOR TO THE HOUR ffer already submitted, such change ed prior to the opening hour and di- equired)  I Apppropriation D		OF YOUR OFFER. If by gram or letter makes reference						
ORDER NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTR.	ACT/ORDER IS MODIFIED TO RE	ry) THE CHANGES SET FORTH IN ITEM 14 ARE MAD  FLECT THE ADMINISTRATIVE CHANGES (such as chief AUTHORITY OF FAR 43.103(b).							
C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUAN	NT TO AUTHORITY OF:							
D. OTHER (Specify type of modification	on and authority)								
X   DEAR 970.5211-1 Wor	k Authorization (	May 2007)							
E. IMPORTANT: Contractor X is not.	is required to sign this docur	ment and return 0 copies to the	issuing office.						
A. The purpose of this mod MQTD10011-14, for Waste Ret	ification is to in rieval and Closure ated by separate i	dings, including solicitation/contract subject matter when neorporate Contract Work Aut e Technologies, see Attachme modification, reference SRNS Attachment 1-B, hereto.	horization No. ent 1-A, hereto.						
authorizations as part of t	he contract. As aragraph (b), the	he above referenced contract stated under DEAR 970.5211- work authorization, whether ontract.	1 Work						
C. The contract estimated	value and all oth	er terms and conditions rema	in unchanged.						
Except as provided herein, all terms and conditions of 15A. NAME AND TITLE OF SIGNER (Type or print)	the document referenced in Item 9	A or 10A, as heretofore changed, remains unchanged a  16A NAME AND TITLE OF CONTRACTING  James Lovett	District Control of the Control of t						
	15C. DATE SIG		16C. DATE SIGNED						
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	ISO DATE SIG	(Signature of Contracting Officer	01/23/2014						

	<del> </del>				1. CONTRACT ID CODE	PAGE	OF PAGES
AMENDME	NT OF SOLICITATION/MODIFI	CATIL JF C	ONTRACT			1	2
2. AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. F	REQUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
0431		01/30/2	014_	_			
6 ISSUED BY	CODE	00901		7. /	ADMINISTERED BY (If other than Item 6)	CODE 00	901
	h River Operations				avannah River Operations		
	partment of Energy h River Operations				S. Department of Energy avannah River Operations		
P.O. Bo	<del>-</del>		ì		O. Box A		
Aiken S				A.	iken SC 29802		
8. NAME AND	ADDRESS OF CONTRACTOR (No., str	eet, county, State and	I ZIP Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.		
SAVANNA	RIVER NUCLEAR SOLU	TIONS, LL	c				
	LOYD CLEVINGER				9B. DATED (SEE ITEM 11)		
	RENS ST SW						
AIREN SC	298012421			x	10A. MODIFICATION OF CONTRACT/ORDER N DE-AC09-08SR22470	10.	
					10B. DATED (SEE ITEM 13)		
CODE 79	08861048	FACILITY CO	DE		01/10/2008		
		11. THIS IT	EM ONLY APPLIES TO A	MEI	IDMENTS OF SOLICITATIONS	······································	<del> </del>
separate let THE PLACI virtue of this to the solici	tter or letegram which includes a referent E DESIGNATED FOR THE RECEIPT OF a mendment you desire to change an olation and this amendment, and is received the AND APPROPRIATION DATA (If redule	ce to the solicitation FOFFERS PRIOF fler already submit red prior to the oper required)	on and amendment number R TO THE HOUR AND DA Ited, such change may be ening hour and date specif	ers. ATE ma fied		BE RECEIVE OUR OFFER. or letter makes	O AT If by reference
	13. THIS ITEM ONLY APPLIES TO	MODIFICATION C	F CONTRACTS/ORDERS	s. n	F MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN I	TEM 14.
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO	(Specify authority) THE	CH	ANGES SET FORTH IN ITEM 14 ARE MADE IN 1	THE CONTRAC	e <b>T</b>
	B. THE ABOVE NUMBERED CONTR appropriation date, atc.) SET FOR	ACT/ORDER IS M TH IN ITEM 14, P	ODIFIED TO REFLECT T URSUANT TO THE AUTH	THE	ADMINISTRATIVE CHANGES (such as changes RTY OF FAR 43.103(b).	in paying offic	0,
	C. THIS SUPPLEMENTAL AGREEMS	NT IS ENTERED	INTO PURSUANT TO AL	UTH	ORITY OF:		
	D. OTHER (Specify type of modification	•				··	
<u> </u>	DEAR 970.5211-1 Wor	k Authori	zation (May :	20			
E. IMPORTAN			to sign this document and			<u> </u>	
			= :		ng solicitation/contract subject matter where least replacement pages for Co	•	Mank
	•		-		Cell Technologies Office		
					tion and Transportation C		
					ments pages reflect the c	-	
below:	, •	•	•			-	
1) Mod	0421, WA No. HI-410	003-14, R	ev 1, project	t 1	title as read "Fuel Cycle	:	
Technol	ogies Office, should	read "Fu	el Cell Techr	no]	logies Office."		
				_	ing and Certification and		
		pport, se	e Block 10, E	Fui	nds Authorized, the two B	&Rs lis	ted below
	ised accordingly:						
Continue		Ab			h		t
	vided herein, all terms and conditions of ND TITLE OF SIGNER (Type or print)	use document refe	erenced in Item 9A or 10A	_	heretofore changed, remains unchanged and in f 5A. NAME AND TITLE OF CONTRACTING OFFI		·—
	1.36- 2.6.4.4				_	=::,:,;;;	•
15B. CONTRA	ACTOR/OFFEROR		15C. DATE SIGNED	_L	ngela S. Morton		16C. DATE SIGNED
	(Signature of person authorized to sign)			.	(Signature of Contracting Officer)	<del></del>	01/30/2014
	(				interest as compared curtal		

	REFERENCE NO. O UMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	DE-AC09-085k22470/0431	2	2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	B&R Code EY6527138 changed to read EY652713B	Į.			
	B&R Code EY452612 changed to read EZ452612				
	Replacement pages are provided as attachment 1-A,	İ		İ	
	and 1-B, hereto.	ľ			
	and 1-B, heleco.				
	B. The contract estimated value and all other				
	terms and conditions remain unchanged.				
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AMENDMENT OF SOLICITATION/MODIF	ICATION OF CONT	RACT	1. CONTRACT ID CODE	PAGES	
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	and the same of th	REQUISITION/PURCHASE REQ. NO. 4EM000884	5. PROJECT NO	(If applicable)
0432 6 ISSUED BY COD	01/31/2014 © 00901		ADMINISTERED BY (If other than Item 6)	CODE 0090	1
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	00901	5	Savannah River Operation J.S. Department of Energ Savannah River Operation P.O. Box A Aiken SC 29802	ns gy	1
and the second s					
8 NAME AND ADDRESS OF CONTRACTOR (No. st) SAVANNAH RIVER NUCLEAR SOLU Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		(x	9B. DATED (SEE ITEM 11)	DER NO	
CODE 798861048	FACILITY CODE		01/10/2008		
	11. THIS ITEM O	NLY APPLIES TO AM	ENDMENTS OF SOLICITATIONS		
separate letter or telegram which includes a referer THE PLACE DESIGNATED FOR THE RECEIPT C virtue of this amendment you desire to change and to the solicitation and this amendment, and is received.  12. ACCOUNTING AND APPROPRIATION DATA (If	OF OFFERS PRIOR TO offer already submitted, sived prior to the opening	THE HOUR AND DAT such change may be in hour and date specific	E SPECIFIED MAY RESULT IN REJECTION ( nade by telegram or letter, provided each telegr	OF YOUR OFFER, If by	/ rence
		Net	Inclease:	234,111,09.	5.00
ORDER NO. IN ITEM 10A.	RACT/ORDER IS MODIF RTH IN ITEM 14, PURSU SENT IS ENTERED INTO	HED TO REFLECT TH JANT TO THE AUTHO PURSUANT TO AUT	HANGES SET FORTH IN ITEM 14 ARE MADE  HE ADMINISTRATIVE CHANGES (such as changer)  ORITY OF FAR 43.103(b).		
1922	20 20 20 MM W	NAME OF THE PARTY OF	0		
E. IMPORTANT: Contractor X is not		n this document and r			
A. The purpose of this mod Energy (DOE)), in accordance hereby obligated to CLIN 00 \$5,024,657,587.91.	dification is ce with SRNS	to obliga FINPLAN 6.	te funds to CLIN 0001 (Funds in the amount of	Department o \$54,117,092	
B. As a result of this mode and Price/Cost, paragraph F the total amount of funds of \$6,424,385,931.74.	B, entitled '	'Obligation	of Funds," is hereby re	evised to in	
C. The contract estimated Continued	value and al	l other te	rms and conditions rema	in unchanged	
Except as provided herein, all terms and conditions of 15A. NAME AND TITLE OF SIGNER (Type or print)	Contract of the Contract of th	ed in Item 9A or 10A,	as heretofore changed, remains unchanged an 16A NAME AND TITLE OF CONTRACTING James Lovett		
15B. CONTRACTOR/OFFEROR	15C	DATE SIGNED	16B. UNITED STATES OF AMERICA		C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		
NSN 7540-01-152-8070				STANDARD FORM	30 (REV. 10-83)

Previous edition unusable

Prescribed by GSA FAR (48 CFR) 53.243

		PAGE	OF	
CONTINUATION SHEET	DE-AC09-08SR22470/0432	2		2

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAC	GE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	l 4. REC	UISITION/PURCHASE REQ. NO.	Is. PROJE	1 2 CT NO. (If applicable)
0433	01/31/2014	1	000884		, ,,,
6. ISSUED BY CODE	00901	7. ADI	MINISTERED BY (If other than item 6)	CODE	00901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav P.O	annah River Operations Department of Energy annah River Operations Box A en SC 29802		
8. NAME AND ADDRESS OF CONTRACTOR (No. street	county. State and ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LLC	× 10.	DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORDER NO. A MODIFICATION OF CONTRACTION OF CONTRACT/ORDER NO. A MODIFICATI	10.	
CCDE 798861048	FACILITY CODE	1 ∣₀	1/10/2008		
	11. YHIS ITEM ONLY APPLIES YO	1 1			
virtue of this amendment you desire to change an offe to the soficitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If req. 13. THIS ITEM ONLY APPLIES TO M.)	I prior to the opening hour and date specurized) Ne t	Inc		286,17	5.24
			GES SET FORTH IN ITEM 14 ARE MADE IN T OMINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).		
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO A	AUTHOR	ITY OF:		
D. OTHER (Specify type of modification	and authority)				
X DEAR 5232-4 Obigation	n of Funds (2000)				
E. IMPORTANT: Contractor X is not.	is required to sign this document an	d return	0 copies to the issuin	g office.	
14 DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi Commercial), in accordance whereby obligated to CLIN 000 \$5,024,943,763.15.	fication is to obligith SRNS FINPLAN 6.	ate Fund	funds to CLIN 0001 (Rei s in the amount of \$286	mbursa ,175.2	
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,424,672,106.98.	entitled "Obligation	n of	Funds," is hereby revi	sed to	
C. The contract estimated v	alue and all other t	erms	and conditions remain	unchar	nged.
Except as provided herein, all terms and conditions of \$	e document referenced in Item 9A or 10				
15A. NAME AND TITLE OF SIGNER (Type or print)			name and title of contracting offi nest. Lovett	CER (Type	or print)
158. CONTRACTOR/OFFEROR (Signature of person suffronteed to sign)	15C. DATE SIGNED		UNITED STATES OF AMERICA (Signature of Contracting Officer)		18C. DATE SIGNED 02/03/2014
NSN 7540-01-152-8070		<del>' /</del>		TANDARD	FORM 30 (REV. 10-83)
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	REFERENCE NO. OF DOCUMENT BEING CONTINUED				
CONTINUATION SHEET	DE-AC09-08SR22470/0433	2	2		

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AMENDMENT OF SOLICITATION/MO	DIFICATION OF CONTR	1. CONTRACT ID CODE	PAGE OF PAGES	
AMENUMENT OF SOLICITATION/MU	DIFICATION OF CONTR			1 2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	I	REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
0434	01/31/2014		EM000884  ADMINISTERED BY (If other then Item 6)	CODE
8. ISSUED BY	00901		AUMINISTERED BY (If other than item o)	CODE 00901
Savannah River Operations			avannah River Operation	
U.S. Department of Energy	<del>-</del>		.S. Department of Energ	
Savannah River Operation: P.O. Box A	S		avannah River Operatior .O. Box A	15
Aiken SC 29802			iken SC 29802	
AIRCH DO 25002		1		
8. NAME AND ADDRESS OF CONTRACTOR (M	lo , street, county, State and ZIP Cod	(x)	9A. AMENDMENT OF SOLICITATION NO.	
SAVANNAH RIVER NUCLEAR SO	LUTIONS, LLC	Ì		
Attn: LLOYD CLEVINGER		1	9B. DATED (SEE ITEM 11)	
203 LAURENS ST SW		]		
AIKEN SC 298012421		×	10A. MODIFICATION OF CONTRACT/ORD	ER NO.
		^	DE-AC09-08SR22470	
				·
	I		10B. DATED (SEE ITEM 13)	
CODE 798861048	FACILITY CODE		01/10/2008	
	11. THIS ITEM ONL	Y APPLIES YO AME	NUMERTS OF SOLICITATIONS	
separate letter or telegram which includes a re THE PLACE DESIGNATED FOR THE RECEII writue of this amendment you desire to change to the solicitation and this amendment, and is a 12 ACCOUNTING AND APPROPRIATION DATA	PT OF OFFERS PRIOR TO THe an offer already submitted, sucreceived prior to the opening ho	E HOUR AND DATE th change may be ma ur and date specified	SPECIFIED MAY RESULT IN REJECTION ( ade by telegram or letter, provided each telegr	OF YOUR OFFER. If by
13. THIS ITEM ONLY APPLIE	8 TO MODIFICATION OF CON	TRACTS/ORDERS. I	T MODIFIES THE CONTRACT/ORDER NO. A	AS DESCRIBED IN ITEM 14.
ORDER NO. IN ITEM 10A.	ONTRACT/ORDER IS MODIFIE FORTH IN ITEM 14, PURSUAL	D TO REFLECT THE NT TO THE AUTHOR	ANGES SET FORTH IN ITEM 14 ARE MADE  ADMINISTRATIVE CHANGES (such as charity OF FAR 43.103(b).	
D. OTHER (Specify type of mode	fication and authority)			
X   DEAR 5232-4 Obig	ation of Funds	(2000)		
E. IMPORTANT: Contractor	s not. 🔲 is required to sign t	his document and rel	turnO copies to the i	ssuing office.
14. DESCRIPTION OF AMENDMENT/MODIFIC	ATION (Organized by UCF sec	tion headings, includ	ing solicitation/contract subject matter where	feasible.)
A. The purpose of this r	modification is	to obligat	e funds to CLIN 0001 (	Reimbursable Work
for Other Federal Agency	), in accordance	with SRNS	FINPLAN 6. Funds in the	he amount of
\$1,040,816.54 are hereby	obligated to CI	IN 0001, a	s cited below:	
1) Departmentof Defense	- (-\$2,489.35)			
<ol><li>Department of Homelai</li></ol>	nd Secuirty - \$7	52,826.51		
3) Department of State	- \$23,301.00			
4) Nuclear Regulator Con	mmission - (-\$17	2.61		
5) Other - \$267,350.99				
·				
Thereby increasing it from	om \$5,024,943,76	33.15 to \$5	,025,984,579.69.	
Continued				
Except as provided herein, all terms and condition				
15A. NAME AND TITLE OF SIGNER (Type or p	runi)	[1	6A. NAME AND TITLE OF CONTRACTING	OFFICER (Type or print)
		[.	James Lovett	,
15B. CONTRACTOR/OFFEROR	15C. C	ATE SIGNED 1	6B. UNITED STATES OF AMERICA	18C. DATE SIGNED
		ł	1/ 1.	###
(Signature of person sufficiend to sign)	<del>,</del>		(Signature of Contracting Officely	02/03/2014
NSN 7540-01-152-8070				STANDARD FORM 30 (REV. 10-83)

NSN 7540-01-152-8070 Previous edition unusable Prescribed by GSA FAR (48 CFR) 53.243

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CONTINUATION SHEET	DE-AC09-08SR22470/0434	2	2

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	B. As a result of this modification, Part I -				
	Schedule, Section B, Supplies or Services and		1		
	Price/Cost, paragraph B, entitled "Obligation of		il		
	Funds," is hereby revised to increase the total				
	amount of funds obligated to the contract from			ì	
	\$6,424,672,106.98 to \$6,425,712,923.52.		ŀ		
	C. The contract estimated value and all other			i	
	terms and conditions remain unchanged.		ll		
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE C	F PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	QUISITION/PURCHASE REQ. NO.	1 Is. PROJECT N	2 O (If applicable)
0435	02/11/2014				o (ii applicatio)
6 ISSUED BY CODE	00901	7. AD	MINISTERED BY (If other than Item 6)	CODE 009	01
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav P.O	annah River Operations . Department of Energy annah River Operations . Box A en SC 29802	; ;	· · · · · · · · · · · · · · · · · · ·
8 NAME AND ADDRESS OF CONTRACTOR (No. screen SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	·	98 × 10	AMENDMENT OF SOLICITATION NO.  DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORDER E-AC09-08SR22470  B. DATED (SEE ITEM 13)	R NO.	
CODE 798861048	FACILITY CODE	$\dashv$ $\mid$ $\mid$	1/10/2008		
	11. THIS ITEM ONLY APPLIES				
CHECK ONE A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	ODIFICATION OF CONTRACTS/OR PURSUANT TO: (Specify authority)	DERS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS  GES SET FORTH IN ITEM 14 ARE MADE II  DMINISTRATIVE CHANGES (such as chark	N THE CONTRACT	M 14.
c. THIS SUPPLEMENTAL AGREEMEN			MINISTRATIVE CHANGES (such as chang OF FAR 43.103(b). HITY OF:		
D. OTHER (Specify type of modification	••				
X   DEAR 970.5211-1 Work			<del>`</del>		
E. IMPORTANT: Contractor X is not.	is required to sign this documer				
14. DESCRIPTION OF AMENDMENTAMODIFICATION  A. The purpose of this modi  listed below:	•			•	ions
2) No. SL-410003-14, for So	lar Energy, see At	tachme	nt 1-B		A
2) No. SL-410003-14, for So 3) No. 410003-TS-14, Rev. 3 Funds were previously alloca	lar Energy, see At , for SRNL Technic ted by separate mo	tachme al Sup odifica	nt 1-B port, see Attachment 1 tion, reference SRNS 1	l-c	
2) No. SL-410003-14, for So 3) No. 410003-TS-14, Rev. 3 Funds were previously alloca for Fiscal Year 2014, a copy B. This modification formall Continued	lar Energy, see At , for SRNL Technic  ted by separate mo   is provided as A y incorporates the	tachme al Sup odifica attachm	nt 1-B port, see Attachment 1 tion, reference SRNS 1 ent 1-D, hereto. referenced contract v	l-C Financial :	Plan 6,
2) No. SL-410003-14, for So 3) No. 410003-TS-14, Rev. 3  Funds were previously alloca for Fiscal Year 2014, a copy  B. This modification formall Continued  Except as provided herein, all terms and conditions of the	lar Energy, see At , for SRNL Technic  ted by separate mo   is provided as A y incorporates the	tachme al Sup odifica attachm above	nt 1-B port, see Attachment 1 tion, reference SRNS I ent 1-D, hereto. referenced contract v	l-C Financial   work	Plan 6,
2) No. SL-410003-14, for So 3) No. 410003-TS-14, Rev. 3 Funds were previously alloca for Fiscal Year 2014, a copy B. This modification formall Continued	lar Energy, see At , for SRNL Technic  ted by separate mo   is provided as A y incorporates the	tachme al Sup difica attachm above above	nt 1-B port, see Attachment i tion, reference SRNS I ent 1-D, hereto.  referenced contract v retofore changed, remains unchanged and i NAME AND TITLE OF CONTRACTING OF	l-C Financial   work	Plan 6,
2) No. SL-410003-14, for So 3) No. 410003-TS-14, Rev. 3  Funds were previously alloca for Fiscal Year 2014, a copy  B. This modification formall Continued  Except as provided herein, all terms and conditions of the	lar Energy, see At , for SRNL Technic  ted by separate mo   is provided as A y incorporates the	tachme al Sup odifica attachm above above 10A as he	nt 1-B port, see Attachment 1 tion, reference SRNS I ent 1-D, hereto. referenced contract v	I-C Financial Nork In tull force and offer	Plan 6,

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

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CONTINUATION SHEET	DE-AC09-08SR22470/0435	2	2

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
·•	authorizations as part of the contract. As	<del>                                     </del>		,	
	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.				
	terms and conditions remain unchanged.				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	ONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE		I, REQUISITION/PURCHASE REQ. NO	5. PROJECT NO. (If applicable)
0436 6 ISSUED BY CODE	02/19/20	14	7. ADMINISTERED BY (If other than Item 6	CODE ION 901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	00901		Savannah River Operati U.S. Department of Ene Savannah River Operati P.O. Box A Aiken SC 29802	ons
8. NAME AND ADDRESS OF CONTRACTOR (No., shoot) SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		:	9B. DATED (SEE ITEM 11)  10B. MODIFICATION OF CONTRACT/CDE-AC09-08SR22470  10B. DATED (SEE ITEM 13)	
CODE 700961049	FACILITY COD	E	01/10/2008	
CODE 798861048			IENDMENTS OF SOLICITATIONS	
Items 8 and 15, and returning coperate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If received)	to the solicitation OFFERS PRIOR or already submitted prior to the oper	n and amendment numbe TO THE HOUR AND DA ed, such change may be ning hour and date specif	TE SPECIFIED MAY RESULT IN REJECTION  made by telegram or letter, provided each to  ed.	IENT TO BE RECEIVED AT ON OF YOUR OFFER. If by degram or latter makes reference
12. ACCOUNTING AND APPROPRIATION DATA (# FEC	(urea)	Net	Increase:	\$49,210,846.85
	CT/ORDER IS MO 1 IN ITEM 14, PU IT IS ENTERED I	DDIFIED TO REFLECT T RSUANT TO THE AUTH	CHANGES SET FORTH IN ITEM 14 ARE M.  HE ADMINISTRATIVE CHANGES (such as ORITY OF FAR 43,103(b).	
X Section I, DEAR 5232	•	ation of Fund	ie	
		sign this document and		he issuing office.
E.IMPORTANT: Contractor E.Is not.  14. DESCRIPTION OF AMENDMENT/MODIFICATION  A. The purpose of this modi  Energy (DOE)), in accordance are hereby obligated to CLIN  \$5,075,195,426.54.	(Organized by UG fication with SRM	CF section headings, incl is to obliga NS FINPLAN 7.	uding solicitation/contract subject matter what te funds to CLIN 0001  Funds in the amount of	ere feasible.) (Department of of \$49,210,846.85
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,474,923,770.37.	entitled	d "Obligation	of Funds," is hereby	revised to increase
C. The contract estimated v Continued				
Except as provided herein, all terms and conditions of the	ne document refer	renced in Item 9A or 10A		
15A. NAME AND TITLE OF SIGNER (Type or print)			James Lovett	NG OFFICER (1990 OF BRAI)
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	168 UNITED STATES OF AMERICA	18C. DATE SIGNED 02/19/2014
(Signature of person authorized to sign)			(Signature of Contracting Office	

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

CONTINUES TON OUTET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	DE-AC09-08SR22470/0436	2	2

NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE	OF PAGES
	··	1.550	HISTONIAN POLICE DE ONO	1 1	2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	UISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
0437 6. ISSUED BY CODE	02/20/2014	7. ADI	MINISTERED BY (If other than Item 6)	CODE 00	901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav P.O	annah River Operations Department of Energy annah River Operations Box A en SC 29802	100	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	county State and ZiP Code)	. ISA	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		98 × 10	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NEACO9-085R22470  B. DATED (SEE ITEM 13)	o.	
CODE 798861048	FACILITY CODE	─ <b>│</b>	1/10/2008		
	11. THIS ITEM ONLY APPLIES				
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF ( virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If required)	to the solicitation and amendment n DFFERS PRIOR TO THE HOUR AN r already submitted, such change ma prior to the opening hour and date a uired)	numbers. FA ND DATE SP ay be made specified.	ECIFIED MAY RESULT IN REJECTION OF YO	BE RECEIVED OUR OFFER. I	AT fby
No Change to Accounting and					
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/OR	DERS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN IT	EM 14.
	T/ORDER IS MODIFIED TO REFLE I IN ITEM 14, PURSUANT TO THE	ECT THE AC AUTHORITY	SES SET FORTH IN ITEM 14 ARE MADE IN T MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).		
D. OTHER (Specify type of modification	and authority)				<del></del>
X   DEAR 970.5211-1 Work	Authorization (Ma	ay 2007	<u>')                                    </u>		
E. IMPORTANT: Contractor 🗵 is not.	is required to sign this documen	nt and return	O copies to the issuing	g office.	
14 DESCRIPTION OF AMENDMENTAMODIFICATION A. The purpose of this modi listed below:				=	cions
1) No. HQ091101-14, Rev 1, fattachment 1, A) 2) No. KC/SR1/4-14, Rev 1, fa					
Attachment 1, B)  3) No. KP/W/SR1/4-14, Rev 1,	for Biological an	nd Envi	ronmental Research (See	Attachm	ment 1, C)
4) No. HQ1001-14, Rev 2, for	•				
(EEOICPA) (See Attachment 1,	D)				
5) No. IN14013-14, Rev 1, fo Continued	r Energy and Threa	t (See	Attachment 1, E)		
Except as provided herein, all terms and conditions of th	e document referenced in Item 9A c				
15A. NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OFFICE THE SECOND STREET STR	JEK (1990 or p	чти)
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNE	D 16B.	UNITED STATES OF AMERICA	$\Delta$	16C. DATE SIGNED
(Signature of person authorized to sign)	_	4	(Signature of Contracting Officer)	<u>-</u>	02/25/2014
NSN 7540-01-152-8070				CANDARD FOR	RM 30 (REV. 10-83)

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE O	F
CONTINUATION SHEET DE-AC09-085R22470/0437	2	2

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	6) No. IN14035-14, Rev 1, for Energy and Threat	<del></del>			
	(See Attachment 1, F)	1		ļ	
	7) No. HQTD1005-14, Rev 1, for Increased Wasted				
	Loading (See Attachment 1, G)	1			
	8) No. SR091701-14, Rev 1, for In Situ	İ			
	Decommissioning (See Attachment 1, H)		1		
	9) No. AF/0105/13/AL/50-14, for Radioisotope	1			
	Power System (See Attachment 1, I)				
	10) No. HQTD1001-14, Rev 1, for Waste Retrieval	1			
	and Closure Technologies (See Attachment 1, J)	ł			
	Funds were previously allocated by separate				
	modifications under FINPLAN numbers 6 and 7, for	1			
	Fiscal Year 2014 (copies of FINPLANs provided,	[			
	see Attachment K).			J	
	m mil and district a formal last a community of the	ł			
	B. This modification formally incorporates the above referenced contract work authorizations as	Ì			
	part of the contract. As stated under DEAR	J			
	970.5211-1 Work Authorization (May 2007),		1		
	paragraph (b), the work authorization, whether	1			
	issued bilaterally or unilaterally shall become a	ļ			
	part of the contract.				
	C. The contract estimated value and all other	ł		ŀ	
	terms and conditions remain unchanged.	1			
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AMENDMENT OF SOLICITATION/MODIFIC		1. CONTRACT ID CODE	PAGE	OF PAGES	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	A REO	UISITION/PURCHASE REQ. NO.	IS PROJECTA	2 10. (If applicable)
0438	02/27/2014	L	001139	J. FROSECT II	О. (п вррисавно)
	00901	7. ADN	AINISTERED BY (If other than item 6)	CODE 1009	01
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sava P.O	annah River Operations Department of Energy annah River Operations Box A en SC 29802		<u></u>
8. NAME AND ADDRESS OF CONTRACTOR (No., street	county. State and ZiP Code)	/ . I9A	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUTI Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		98. × 10/2	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER  C-AC09-08SR22470  B. DATED (SEE ITEM 13)	NO.	
CODE 798861048	FACILITY CODE	<del> </del>	1/10/2008		
	11. THIS ITEM ONLY APPLIES	TO AMENDA	ENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If required to the solicitation and the same of the solicitation and the same of the solicitation and the same of the solicitation and the same of the solicitation and the same of the solicitation and the same of the solicitation and the same of the solicitation and the same of the same	PFERS PRIOR TO THE HOUR A already submitted, such change re prior to the opening hour and date uired)	NO DATE SPE may be made to e specified. Net Inc	ECIFIED MAY RESULT IN REJECTION OF Y by telegram or letter, provided each telegram	OUR OFFER. If or letter makes re	by ference 324.79
A. THIS CHANGE ORDER IS ISSUED PORDER NO. IN ITEM 10A.	URSUANT TO: (Specify authority) T/ORDER IS MODIFIED TO REFI	THE CHANG	SES SET FORTH IN ITEM 14 ARE MADE IN MINISTRATIVE CHANGES (such as change OF FAR 43.103(b).	THE CONTRACT	ī
D. OTHER (Specify type of modification	and authority)				<del></del>
X Section I, DEAR 5232		Funds			
E. IMPORTANT: Contractor X is not.	is required to sign this docume		O copies to the issui	ng office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION (A. The purpose of this modi Energy (DOE)), in accordance are hereby obligated to CLIN \$5,258,816,751.33.	Organized by UCF section headin fication is to ob- with SRNS FINPLA	ngs, including s ligate N 8. Fu	funds to CLIN 0001 (Dep nds in the amount of \$:	partment 183,621,3	
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,658,545,095.16.	entitled "Obliga ligated to the co	tion of ntract	Funds," is hereby rev: from \$6,474,923,770.37	ised to i to	ncrease
Continued				<b>,</b>	
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced in Item 9A	16A.	NAME AND TITLE OF CONTRACTING OFF		
15B. CONTRACTOR/OFFEROR	15C, DATE SIGN		NITED STATES OF AMERICA	1	02/27/2014
(Signature of person authorized to sign)		-17	(Signature of Contracting Officer)		

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION CUEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF	
CONTINUATION SHEET	DE-AC09-08SR22470/0438	2	7	2

I NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	1	UISITION/PURCHASE REQ. NO.	5. PRO	DJECT NO. (If applicable)
0439	02/27/2014		001139	<u> </u>	
6. ISSUED BY CODE	00901	7. AD	AINISTERED BY (If other than Item 6)	CODE	00901
Savannah River Operations		1	annah River Operations		
U.S. Department of Energy			. Department of Energy		
Savannah River Operations			annah River Operations		
P.O. BOX A			. Box A en SC 29802		
Aiken SC 29802		AIK	511 JC 490V4		
8. NAME AND ADDRESS OF CONTRACTOR (No., stroot	, county, State and ZIP Code)	(x) <sup>9A</sup>	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT:	IONS, LLC	1 1			
Attn: LLOYD CLEVINGER	·	9B	DATED (SEE ITEM 11)		
203 LAURENS ST SW		1 1			
AIKEN SC 298012421		100	A. MODIFICATION OF CONTRACT/ORDER N	10	
			S-AC09-08SR22470	IŲ.	
		101	B. DATED (SEE ITEM 13)		
CODE 798861048	FACILITY CODE	]   0	1/10/2008		
	11. THIS ITEM ONLY APPLIES TO	AMENDA	IENTS OF SOLICITATIONS		
The above numbered solicitation is amended as set for	· · · · · · · · · · · · · · · · · · ·		•		is not extended.
Offers must acknowledge receipt of this amendment p	-				
Items 8 and 15, and returning copseparate letter or telegram which includes a reference	• • •		eipl of this amendment on each copy of the off ILURE OF YOUR ACKNOWLEDGEMENT TO		
THE PLACE DESIGNATED FOR THE RECEIPT OF					
virtue of this amendment you desire to change an offe			oy telegram or letter, provided each telegram o	r letter i	nakes reference
to the solicitation and this amendment, and is received  12. ACCOUNTING AND APPROPRIATION DATA (If req			rease: \$4	1 92	1,897.78
	, Net		rease. y-	1, 93	
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDER	RS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIB	ED IN ITEM 14.
CHECK ONE A THIS CHANGE ORDER IS ISSUED F	PURSUANT TO: (Specify authority) THE	E CHANG	SES SET FORTH IN ITEM 14 ARE MADE IN T	HE CO	NTRACT
CROER NO. IN ITEM 10A.			SES SET FORTH IN ITEM 14 ARE MADE IN T		
B. THE ABOVE NUMBERED CONTRAC	T/ORDER IS MODIFIED TO REFLECT	THE AD	MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).	in payii	ng office,
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT TO A	AUTHOR	ITY OF:		
D. OTHER (Specify type of modification	and authority)				
	-4 Obligation of Fur	nds			
E. IMPORTANT: Contractor X is not.	is required to sign this document an		O copies to the issuing	g office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF section headings, in	ncluding s	solicitation/contract subject matter where feasil	ble.}	,
A. The purpose of this modi	fication is to oblig	jate	funds to CLIN 0001 (Rei	mbur	sable Work
for Other Federal Agency), i	n accordance with SR	NS F	INPLAN 8. Funds in the	amou	int of
\$4,931,897.78 are hereby ob	ligated to CLIN 0001	as	cited below:		
1) Department of Defense -					
2) Department of Homeland S	ecurity - \$485,500.0	0			
3) Other - \$4,185,823.89					
Thereby increasing it from \$	5 250 816 751 22 +-	<b>65</b> 2	63 <b>7</b> 48 640 11		
Incresy increasing it from a	3,230,010,731.33 CO	44,2	05, 140,049.11.		
B. As a result of this modi	fication, Part I - S	ched	ule, Section B, Supplie	s or	: Services
Continued	,				<del>-</del>
Except as provided herein, all terms and conditions of the	e document referenced in Item 9A or 10	A, as he	retofore changed, remains unchanged and in fo	uli force	and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OFFI		
		Jan	nes Dovett		• .•
158 CONTRACTORIOFEEDOR	1450 DATE CICKED				ISC DATE SIGNED
15B. CONTRACTOR/OFFEROR	15C, DATE SIGNED	168/	UNITED STATES OF AMERICA		16C. DATE SIGNED
	_		and/with		_ 02/27/2014
(Signature of person authorized to sign) NSN 7540-01-152-8070			(Signature of Contracting Officer) S'	TANDA	RD FORM 30 (REV. 10-83)
Previous edition unusable		•	Pi	rescribe	d by GSA
			F/	AR (48 i	CFR) 53.243

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CONTINUATION SHEET	DE-AC09-08SR22470/0439	2	2
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TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	and Price/Cost, paragraph B, entitled "Obligation				
	of Funds," is hereby revised to increase the	ł	1 1		
	total amount of funds obligated to the contract				
	from \$6,658,545,095.16 to \$6,663,476,992.94.		ļ		
	C. The contract estimated value and all other		1 1	:	
	terms and conditions remain unchanged.	Ī	ſſ		
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2. AMENDMEI	NT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	. REQ	UISITION/PURCHASE REQ. NO.	5. PROJ	ECT NO. (	Z (If applicable)
0440		02/27/20	14	4EM	001139			
6. ISSUED BY	CODE			7. ADN	INISTERED BY (If other than Item 6)	CODE	00901	
Savanna	h River Operations			Sava	annah River Operations			
	partment of Energy		t	U.S	Department of Energy			
	h River Operations				annah River Operations			
P.O. Bo			1.		Box A			
Aiken S	C 29802		1	M I K	en SC 29802			
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	et, county, State and	ZIP Code) ()	x) 9A.	AMENDMENT OF SOLICITATION NO.			
SAVANNAF	RIVER NUCLEAR SOLUT	IONS, LLC	; ]					
Attn: LI	LOYD CLEVINGER			9B.	DATED (SEE ITEM 11)	_		
	RENS ST SW							
AIKEN SC	298012421		l <del>x</del>	10/	MODIFICATION OF CONTRACT/ORDER N	0.		
			)"	, lo:	G-AC09-08SR22470			
			1	102	D. DATED (SEE ITEM 13)			
CODE 70	20061040	FACILITY COD	, <u> </u>					
	98861048 				1/10/2008 ENTS OF SOLICITATIONS			
☐The shows	numbered solicitation is amended as set I		<del></del>		<del></del>		is not ext	
separate let THE PLACI virtue of this	tter or telegram which includes a reference E DESIGNATED FOR THE RECEIPT OF	e to the solicitation OFFERS PRIOR fer already submitted	n and amendment number TO THE HOUR AND DAT ad, such change may be r	rs. FA TE SPI made l	eipl of this amendment on each copy of the off LURE OF YOUR ACKNOWLEDGEMENT TO ICIFIED MAY RESULT IN REJECTION OF YO By telegram or letter, provided each telegram o	BE RECE OUR OFF	EVED AT	
	TING AND APPROPRIATION DATA (If re				******	217 1	86.56	
		4	Net	Dec	rease: -S	71/,1	00.50	
CHECK ONE		ACT/ORDER IS MA TH IN ITEM 14, PU	ODIFIED TO REFLECT TO IRSUANT TO THE AUTHO	HE AD ORITY	ES SET FORTH IN ITEM 14 ARE MADE IN T MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).			
	O. THO COTT ESTIMATE FOR COME							
	D. OTHER (Specify type of modification	n and authority)						
X	Section I, DEAR 523	2-4 Oblig	ation of Fund	is				
E. IMPORTAN	IT: Contractor is not.	X is required t	o sign this document and (	retum	1 copies to the issuing	g office.		
14. DESCRIP	TION OF AMENDMENT/MODIFICATION	l (Organized by U	CF section headings, incli	uding :	solicitation/contract subject matter where leasi	ble.)		
A. The	purpose of this modi	ification	is to de-obl	iga	te funds from CLIN 0001	(Rei	.mburs	able
					Funds in the amount of			
are her	eby de-obligated from	n CLIN 00	01, thereby d	lecr	easing it from \$5,263,7	48,64	19.11	to
\$5,263,	731,462.55.							
and Pri	ce/Cost, paragraph B	, entitle	d "Obligation	of	ule, Section B, Supplie Funds," is hereby revi from \$6,663,476,992.94	sed t		
		value and	all other te	rms	and conditions remain	uncha	anged.	
Continu		Ha alaau + + + -	roogod in No- OA 404	aa b -	rateface shapeed complex unabaseed and in 6	ull force -	nd offeri	
	AND TITLE OF SIGNER (Type or print)				retofore changed, remains unchanged and in for NAME AND TITLE OF CONTRACTING OFFI			
		L.C. Cle	vinger II			1 - 7F	,7	
		Manager	Contracts		gela S. Morton			
15B. CONTR	ACTOR/OFFEROR	·	15C. DATE SIGNED	18B	UNITED STATES OF AMERICA		16C	. DATE SIGNED
	March! Chunk	5	2-27-14	16	mer/Inc		02	2/27/2014
	(Signature of person authorized to sign)		J= U= 1 . /	1 <sup>—</sup>	(Signature of Contracting Officer)			

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0440	2	2

1 NO. A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF C	ONTRACT	1. CONTRACT ID CODE PAG				PAGES			
						1	2			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	4. REC	QUISITION/PURCHASE REQ. NO.	5. PROJ	IECT NO.	(if applicable)			
0441	03/06/20		<u> </u>							
6. ISSUED BY CODE	00901		7. AD	MINISTERED BY (If other than Item 8)	CODE	0090	<u>i</u>			
Savannah River Operations				annah River Operations						
U.S. Department of Energy				. Department of Energy						
Savannah River Operations				annah River Operations						
P.O. Box A Aiken SC 29802			P.O. Box A Aiken SC 29802							
Alken 30 23002				20 23002						
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and	ZIP Code) (3	(x) 9A	AMENDMENT OF SOLICITATION NO.						
CAMANNAM DINED MUCIEAD COLUT	TONE TTO	,	Ħ							
SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER	IONS, LLC	<b>′</b>	88	I. DATED (SEE ITEM 11)						
203 LAURENS ST SW				,,						
AIKEN SC 298012421		ļ_		·····						
		×		A. MODIFICATION OF CONTRACT/ORDER N E-AC09-08SR22470	0.					
			10	B. DATED (SEE ITEM 13)			<del> </del>			
CODE 798861048	FACILITY COL	)E		01/10/2008						
	11. THIS ITE	M ONLY APPLIES TO AM	MEND	MENTS OF SOLICITATIONS						
The above numbered solicitation is amended as set for	orth in Item 14. T	he hour and date specified	ed for r	eceipt of Offers [is exten	ded.	is not ex	tended.			
Offers must acknowledge receipt of this amendment p	prior to the hour a	nd date specified in the so	olicitat	tion or as amended, by one of the following meth	rods: (a) l	By comple	ating			
				ceipt of this amondment on each copy of the off			•			
separate letter or telegram which includes a reference										
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offer										
to the solicitation and this amendment, and is received										
12. ACCOUNTING AND APPROPRIATION DATA (If no	uirod)									
No Change to Accounting Data										
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION O	F CONTRACTS/ORDERS.	3. IT M	IODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED	O EN ITEM	14.			
CHECK ONE A THIS CHANGE ORDER IS ISSUED I	PURSUANT TO:	(Specify authority) THE C	CHAN	GES SET FORTH IN ITEM 14 ARE MADE IN TI	HE CONT	TRACT				
ORDER NO. IN ITEM 10A.		(								
B. THE ABOVE NUMBERED CONTRA	CT/ORDER IS M	ODIFIED TO REFLECT TO	THE A	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	in paying	office,				
appropriation date, etc.) SET FORTI	I IN ITEM 14, PL	IRSUANT TO THE AUTH	ORIT	Y CF FAR 43.103(b).						
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED	INTO PURSUANT TO AU	ЛНОЕ	RITY OF:						
D. OTHER (Specify type of modification	and authority)									
X Section I, DEAR 970.	5211-1 W	ork Authoriza	atio	on (May 2007)						
E. IMPORTANT: Contractor X is not.	is required t	o sign this document and I	return	O copies to the issuing	office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION		•	•	•	•					
A. The purpose of this modi	fication	is to incorp	ora	ite the contract work au	thori	zatio	ons			
listed below:										
			_							
1) No. HQ091101-14, Rev 2, f	or Advan	ced Simulatio	on C	Capability for Environmen	ntal	Manag	<b>jement</b>			
(See Attachment 1, A)										
2) No. IN14013-14, Rev 2, fo	r Energy	and Threat (	(See	Attachment 1, B)						
3) No. IN14035-14, Rev 2, fo	r Energy	and Threat (	(See	Attachment 1, C)						
4) No. HQTD1005-14, Rev 2, f	or Incre	ased Wasted L	Load	ling (See Attachment 1,	D)					
5) No. SR091701-14, Rev 2, f	or In Si	tu Decommissi	Loni	ng (See Attachment 1, E	)					
6) No. 410003-TS-14, Rev 4,	for SRNL	Technical Su	ppo	ort (See Attachment 1, F	)					
7) No. PC410003-14, Rev 2, f	or Packa	ging and Cert	ertification and Transportation Operations							
Continued			- -							
Except as provided herein, all terms and conditions of the	no document refe	renced in Item 8A or 10A,	10A, as herotolore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)			164	NAME AND TITLE OF CONTRACTING OFFIC	ER (Typ	e or print)	,			
			An	gela S. Morton						
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA		180	C. DATE SIGNED			
<del>-</del>			17	line D. Mu -						
(Signature of person authorized to sign)	<del></del>		<u> </u>	(Signature of Contracting Officer)		10	3/12/2014			

NSN 7540-01-152-8070 Provious edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF	•
CONTINUATION SHEET	DE-AC09-08SR22470/0441	2		2

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Support (See Attachment 1, G) 8) No. 13/CJ000/12/01/0, for SRNL Reviewers for ARPA-E (See Attachment 1, H)				
	Funds were previously allocated by separate modifications under FINPLAN numbers 6 and 8, for Fiscal Year 2014 (copies of FINPLANs provided, see Attachment I).				
	B. This modification formally incorporates the above referenced contract work authorizations as part of the contract. 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.				

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
0442	03/19/2014	14EM001343	
6. ISSUED BY CODE	00901	7. ADMINISTERED BY (If other than Item 6)	CODE 00901
Savannah River Operations		Savannah River Operations	
U.S. Department of Energy		U.S. Department of Energy	
Savannah River Operations P.O. Box A		Savannah River Operations P.O. Box A	
Aiken SC 29802		Aiken SC 29802	
8. NAME AND ADDRESS OF CONTRACTOR (No., shoot	, county, State and ZIP Code)	(x) 8A. AMENDMENT OF SOLICITATION NO.	
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLC	9B. DATED (SEE ITEM 11)	
Attn: LLOYD CLEVINGER		96. UATED (SEE TIEM TI)	
203 LAURENS ST SW AIKEN SC 298012421			
arida do 250012.21		x DE-AC09-08SR22470	t NO.
		10B. DATED (SEE ITEM 13)	
CODE 798861048	FACILITY CODE	01/10/2008	
	11. THIS ITEM ONLY APPLIES TO A	MERDMENTS OF SOLICITATIONS	
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offs to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If received See SRNS Financial Plan #9 and 1	or already submitted, such change may be d prior to the opening hour and date spec puired)	made by telegram or letter, provided each telegran fied.	
		B. IT MODIFIES THE CONTRACT/ORDER NO. AS	DESCRIBED IN ITEM 14.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) THE	CHANGES SET FORTH IN ITEM 14 ARE MADE IN	N THE CONTRACT
appropriation date, etc.) SET FORTI	CT/ORDER IS MODIFIED TO REFLECT H IN ITEM 14, PURSUANT TO THE AUT	THE ADMINISTRATIVE CHANGES (such as chang HORITY OF FAR 43.103(b).	es in paying office,
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT TO A	UTHORITY OF:	
D OTHER Francisco of marketing			
D. OTHER (Specify type of modification X Section I, DEAR 970.	.5211-1 Work Authoriz	ation (May 2007)	
	is required to sign this document an		ring office
E. IMPORTANT: Contractor II is not.  14. DESCRIPTION OF AMENDMENT/MODIFICATION			
		t funds in accordance with	
#9, dated March 19, 2014, co			
	• •		
B. The contract estimated v	alue and all other t	erms and conditions remain	unchanged.
			-
Except as provided herein, all terms and conditions of the 1SA. NAME AND TITLE OF SIGNER (Type or print)	to document referenced in Item 9A or 10.		
HAT TO ME AND THE OF SIGNER (1) PO OF PRINT		18A. NAME AND TITLE OF CONTRACTING OF	TIVER (1990 OF PRINT)
		James Lovett	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	168 UNITED STATES OF AMERICA	18C. DATE SIGNED
		Vanet latte	03/20/2014
(Signature of porson authorized to sign)		(Signature of Contracting Officer)	
NSN 7540-01-152-8070 Previous edition unusable		<i>'</i>	STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

Fiscal Month: 06

Financial Plan Number: 9

Contract Modification Number: 0442

Rpt Entity: SR Savannah River Nuclear Solutions, LLC

AY 2014 - Reseast for fund codes from 01087 to 01060 GD3009000 sch 3/17/14

AY 2014 - Recast fund codes from 01087 to 01060 GD3015000 sch 3/17/14

GD3015000

GD5001000

25400

25400

0000000

0000000 0000000 0000000

Total for Program Parent/Control Point: GD3001000

Total for Program Parent/Control Point: GD5001000

Total for Fund: 01060

3203736

3203753

AY 2014 - Recast fund code from 01087 to 01060 GD5001 sch 3/17/14

410003

410003

01060

01060

FO

FO

Financial Plan Report - Detail

Site: SR

Page 1 of 4

Report: RFP0001

Repo

Report Generated on: March 19, 2014 at 04:10:39 PM

# SR22470 - Savannah River Nuclear Solutions (SRNS)

Rpt	Fund	Leg		Legacy	Obj.	Local			Legacy	Beginning		BA			Total
Entity	Code	FT	Program	B&R	Class	Use	Project	WFO	Order Number	Uncosted Obs	Previous	Change	Revised	A	vailable
410003	00900	TC	2220814	DP1706000	25400	0000000	0000000	0000000		3,570,850.19	4,226,056.00	-4,226,056.00	0.00		3,570,850.19
AY 20	14 - Recas	t to a ne	w B&R EC 3/17	/2014											
410003	00900	TC	2220814	DP1706000	31003	0410000	0000000	0000000		162,411.01	100,000.00	-100,000.00	0.00		162,411.01
AY20	14 - Recas	t to a ne	w B&R EC 3/17	/2014											
						Total	for Program	Parent/Contro	ol Point: DP1706000	3,733,261.20	4,326,056.00	-4,326,056.00	0.00		3,733,261.20
410003	00900	TC	2222898	MB0410000	25400	0000000	0000000	0000000		0.00	11,556,047.00	4,326,056.00	15,882,103.00		15,882,103.00
						Total	for Program	Parent/Contro	ol Point: MB0410000	0.00	11,556,047.00	4,326,056.00	15,882,103.00	8	15,882,103.00
								Total for F	und: 00900	3,733,261.20	15,882,103.00	0.00	15,882,103.00	2	19,615,364.20
410003	01050	TF	3184701	HQ1001000	25400	0000000	0000000	0000000		0.00	105,000.00	141,000.00	246,000.00		246,000.00
AY 20	14 - Recas	t from fu	nd code 01088	to 01050 HQ1001	sch 3/17/1	4									
						Total	for Program	Parent/Contro	ol Point: HQ1001000	0.00	105,000.00	141,000.00	246,000.00		246,000.00
								Total for F	und: 01050	0.00	105,000.00	141,000.00	246,000.00	8	246,000.00
410003	01060	FO	3203738	GD2540101	25400	0000000	0000000	0000000		0.00	67,848.00	87,960.00	155,808.00		155,808.00
AY 20	014 - Recas	t for cha	nging of fund co	de 01087 to 0106	0										
410003	01060	FO	3203735	GD2540980	25400	0000000	0000000	0000000		0.00	90,467.00	117,280.00	207,747.00		207,747.00
AY 20	14 - Recas	t changin	ing fund codes fr	om 01087 to 0106	0 GD2540	98									
		30 0 000				Total	for Program	Parent/Contro	ol Point: GD2540000	0.00	158,315.00	205,240.00	363,555.00	4	363,555.00
410003	01060	FO	3203740	GD3003010	25400	0000000	0000000	0000000		15,027.96	380,000.00	530,000.00	910,000.00		925,027.96
AY 20	014 - recast	from fun	nd code 01087 to	o 01060 for gd300.	301 sch 3/1	17/14									
410003	01060	FO	1714209	GD3006000	25400	0000000	0000000	0000000		0.00	0.00	15,000.00	15,000.00		15,000.00
AY 20	014 - recast	change	fund code from	01087 to 01060 G	D3006000	3/17/14 sch									
410003	01060	FO	1714217	GD3009000	25400	0000000	0000000	0000000		19,143.57	75,000.00	175,000.00	250,000.00		269,143.57

3,880.50

38,052.03

0.00

0.00

38,052.03

248,170.00

703,170.00

861,485.00

0.00

0.00

125,400.00

845,400.00

96,756.00

96,756.00

1,147,396.00

373,570.00

1,548,570.00 96,756.00

96,756.00

2,008,881.00

377,450.50

1,586,622.03

96,756.00

96,756.00

2,046,933.03

Financial Plan Number: 9

Contract Modification Number: 0442

Page 2 of 4

Report: RFP0001

Report Generated on: March 19, 2014 at 04:10:39 PM

# Financial Plan Report - Detail

SR22470 - Savannah River Nuclear Solutions (SRNS) Rpt Entity: SR Savannah River Nuclear Solutions, LLC

Rpt	Fund	Leg	Duo guom	Legacy B&R	Obj.	Local	Project	WFO	Legacy Order Number	Beginning Uncosted Obs	Previous	BA Change	Revised		Total Available
Entity	Code	FT	Program		Class	Use			Order Number				Revised		
410003	01087		3203738	GD2540101	25400	0000000	0000000	0000000		0.00	87,960.00	-87,960.00		0.00	0.00
410003	01087	are being	3203735	d code 01060. EC 3 GD2540980	25400	0000000	0000000	0000000		0.00	117,280.00	-117,280.00		0.00	0.0
		ara hainr	- GENERALIE	code 01060. EC 3		000000	000000	000000		0.00	117,200.00	117,200.00		0.00	0.00
A1 20	114-1 Unus	are bong	recest to run.	10000 01000. 20 0	311/2014	Total	for Program	Parent/Contr	ol Point: GD2540000	0.00	205,240.00	-205,240.00		0.00	0.00
	04007		2002740	00000000	25100		984000000	0000000		0.00	530,000.00	-530,000.00		0.00	0.0
410003	01087	am halas	3203740	GD3003010	25400	0000000	0000000	000000		0.00	530,000.00	-550,000.00		0.00	0.0
		are being	1714209	GD3006000	25400	0000000	0000000	0000000		0.00	15.000.00	-15.000.00		0.00	0.0
410003	01087	ara baine	morana Se			0000000	0000000	000000		0.00	13,000.00	-15,000.00		0.00	0.0
410003	01087	are being	1714217	GD3009000	25400	0000000	0000000	0000000		0.00	175,000.00	-175,000.00		0.00	0.00
		ara baine	(Moreoverson	code 01060. EC 3		000000	000000	000000		0.00	173,000.00	-173,000.00		0.00	0.00
410003	01087	are being	3203736	GD3015000	25400	0000000	0000000	0000000		0.00	125,400.00	-125,400.00		0.00	0.00
	active of the	ara haine		code 01060. EC 3	(STALL STALL)	000000	000000	000000		0.00	120,400.00	-123,400.00		0.00	0.00
A 1 20	114 - Fullus	are being	recest to lunc	10000 01000. 20 0	21112014	Total	for Program	Parent/Contr	ol Point: GD3001000	0.00	845,400.00	-845,400.00	- 10	0.00	0.00
			*******		07100										
410003	01087		3203753	GD5001000	25400	0000000	0000000	0000000		0.00	96,756.00	-96,756.00		0.00	0.00
AY 20	114 - Funds	are being	recast to fund	f code 01060. EC 3	3/17/2014			D	-1 P-1-+ CD PRO1000			100000000		WEYS'S	
						lotal	tor Program	Parent/Contr	ol Point: GD5001000	0.00	96,756.00	-96,756.00	80	0.00	0.00
								Total for F	fund: 01087	0.00	1,147,396.00	-1,147,396.00		0.00	0.00
410003	01088		3184701	HQ1001000	25400	0000000	0000000	0000000		0.00	141,000.00	-141,000.00		0.00	0.00
AY 20	14 - Funds	are being	recast to fund	code 01050. EC 3	3/17/2014										
						Total	for Program	Parent/Contr	ol Point: HQ1001000	0.00	141,000.00	-141,000.00	- 1	0.00	0.00
								Total for F	fund: 01088	0.00	141,000.00	-141,000.00		0.00	0.00
410003	01551	NS	2221798	NN9002000	25400	0000000	0000000	0000000		484,154.75	1,109,175.38	-1,109,175.38		0.00	484,154.75
			B&R EC 3/17		20.00						1,000,000				
410003	01551	NS	2221799	NN9003000	25400	0000000	0000000	0000000		121,430.79	81,826.91	-81,826.91		0.00	121,430.79
The state of the s		100	B&R EC 3/17												
410003	01551	NS	2222100	NN9007010	25400	0000000	0000000	0000000		1,428,028.26	3,122,579.38	-3,122,579.38		0.00	1,428,028.26
AY 20	14 - Recas	t to a new	B&R EC 3/17	/2014											
410003	01551	NS	2222101	NN9007020	25400	0000000	0000000	0000000		1,566,843.34	3,625,098.39	-3,625,098.39		0.00	1,566,843.34
AY 20	14 - Recas	t to a new	B&R EC 3/17	/2014											
410003	01551	NS	2221811	NN900W060	25400	0000000	0000000	0000000		125,710.24	143,667.63	-143,667.63		0.00	125,710.24
AY 20	114 - Recas	t to a new	B&R EC 3/17	/2014											
						Total	for Program	Parent/Contr	ol Point: NN9001000	3,726,167.38	8,082,347.69	-8,082,347.69	TAN	0.00	3,726,167.38
410003	01551	NS	2222887	NN9202000	25400	0000000	0000000	0000000		0.00	4,268,332.25	8,082,347.69	12,350	,679.94	12,350,679.94
W12577/			SEVEN	1271111	37. 324		for Program	Parent/Contr	ol Point: NN9201010	0.00	4,268,332.25	8,082,347.69	12.350	,679.94	12,350,679.94
									und: 01551	3,726,167.38	12,350,679.94	0.00	1,1000	,679.94	and Zeals, Williams
											- A THE LANGE CONTROL OF THE CONTROL	100,950		escretary.	16,076,847.32
							Total for F	Recipient Code	1: 5K	7,497,480.61	30,487,663.94	0.00	30,487	,663.94	37,985,144.55

Fiscal Year: 2014

Fiscal Month: 06

Financial Plan Number: 9

Contract Modification Number: 0442

Rpt Entity: SR Savannah River Nuclear Solutions, LLC

Financial Plan Report - Detail

Site: SR

Page 3 of 4

Report: RFP0001

Report Generated on: March 19, 2014 at 04:10:39 PM

SR22470 - Savannah River Nuclear Solutions (SRNS)

Rpt	Fund	Leg		Legacy	Obj.	Local			Legacy	Beginning		BA		Total
Entity	Code	FT	Program	B&R	Class	Use	Project	WFO	Order Number	Uncosted Obs	Previous	Change	Revised	Available
					1	otal for Re	porting Entit	y: 410003		7,497,480.61	30,487,663.94	0.00	30,487,663.94	37,985,144.55
					Total	for SR224	70 - Savanna	h River Nuclea	r Solutions (SRNS)	7,497,480.61	30,487,663.94	0.00	30,487,663.94	37,985,144.55

Financial Plan Report - Detail

Site: SR

Page 4 of 4

Report: RFP0001

Report Generated on: March 19, 2014 at 04:10:39 PM

Rpt Entity: SR Savannah River Nuclear Solutions, LLC

Financial Plan Number: 9

Contract Modification Number: 0442

SR22470 - Savannah River Nuclear Solutions (SRNS)

#### Time-Limited Appropriations Associated with your Contract

Appropriation	STARS Fund Code		Obligation	
Symbol*	(Legacy FT)	Fund Code Title	Period	Expired Phase**
89-14-0243	01087	pecialized Security Activities, Non-Program Direction	One year	FY 2015 - 2019
	01088	ther Defense Activities, Non-Program Direction		

<sup>\*</sup> In the appropriation symbol, after the first two digits, the next digits specify the obligation period. For example, 89-12/13-0321 is a two-year time-limited appropriation available for obligation in FY 2012 - FY 2013.

#### Agency Sub-Report

Agency	Obligation Change Amount
Work for Others Funds Associated with Federal Agencies:	0.00
Total DOE Funds:	0.00
Total Non-Appropriated Funds:	0.00
Grand Total:	0.00

### TAS Sub-Report

DOE Funding:

**DOE Funding Nets Zero** 

Reimbursable Funding:

This financial plan was generated for the following options: All Transactions

<sup>\*\*</sup> Funds must be fully costed or deobligated by September 30 in the fiscal year the Expired Phase ends. At this point the appropriation is considered cancelled.

AMENDME	ENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQI	JISITION/PURCHASE REQ. NO.	5. PI	1 2 ROJECT NO. (If applicable)
0443		03/20/2014				
6. ISSUED BY	Y CODE	00901	7. ADM	INISTERED BY (if other than Item 6)	COD	DE 00901
Savanna	h River Operations	· · · · · · · · · · · · · · · · · · ·	Sava	nnah River Operation	s	
	partment of Energy			Department of Energ		
Savanna	h River Operations			nnah River Operation	s	
P.O. Bo				Box A		
Aiken S	SC 29802		Aike	n SC 29802		
8. NAME AND	O ADDRESS OF CONTRACTOR (No., street,	, county, State and ZIP Code)	(x) <sup>9A.</sup>	AMENDMENT OF SOLICITATION NO.		
SAVANNA	H RIVER NUCLEAR SOLUT	IONS, LLC				
Attn: L	LOYD CLEVINGER		9B.	DATED (SEE ITEM 11)		
203 LAU	RENS ST SW		1 1			
AIKEN S	C 298012421		10A	. MODIFICATION OF CONTRACT/ORDS	ER NO.	
				-AC09-08SR22470		
			108	. DATED (SEE ITEM 13)		
CODE 7	98861048	FACILITY CODE	-I I	1/10/2008		
		11. THIS ITEM ONLY APPLIES TO	AMENDM	ENTS OF SOLICITATIONS		
	numbered solicitation is amended as set fo	-		<del>-</del>		is not extended.
	st acknowledge receipt of this amendment p d 15, and returning cor			on or as amended, by one of the following eipt of this amendment on each copy of the		
	a 15, and returningcop after or telegram which includes a reference					
THE PLAC	E DESIGNATED FOR THE RECEIPT OF (	OFFERS PRIOR TO THE HOUR AND D	DATE SPE	CIFIED MAY RESULT IN REJECTION O	OF YOUR (	OFFER. If by
	is amendment you desire to change an offe station and this amendment, and is received			y lelegram or letter, provided each telegra	am or lette	r makes reference
	ITING AND APPROPRIATION DATA (If req	<del></del>				
	nge to Accounting and					
	<u> </u>		RS. IT MC	DIFIES THE CONTRACT/ORDER NO. A	S DESCRI	BED IN ITEM 14.
CHECK ONE				50 057 500714 WATER 44 AGE 41AGE		
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	*URSUANT TO: (Specify authority) THI	IE CHANG	ES SET FORTH IN ITEM 14 ARE MADE	IN THE C	ONTRACT
	B. THE ABOVE NUMBERED CONTRAC	CT/ORDER IS MODIFIED TO REFLECT	T THE ADI	MINISTRATIVE CHANGES (such as char OF FAR 43.103(b).	nges in pa	ying office,
	C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO	AUTHORI	TY OF:		
	D. OTHER (Specify type of modification	and authority)		<del></del>		
х	Section I, DEAR 970.	5211-1 Work Authori:	zatio	n (May 2007)		
E. IMPORTA		is required to sign this document ar				ce.
	PTION OF AMENDMENT/MODIFICATION		-			
	purpose of this modi	fication is to incor	rpora	te the contract work	autho	orizations
listed	below:					
	HQTD1004-14, for Impr		-	<del>-</del>		
2) No.	HQTD1000-14, for Tech	nical Planning, Inte	egrat:	ion and Risk Manageme	ent (S	See Attachment
l, B)						
E	oma mmarriantalu allaca	ted by companie	aiei.	stions under ETNETAL	ı N-	0 for Discol
	vere previously alloca	_			i NO.	o, for tiscar
iear 20	)14 (copies of FINPLAN	s provided, see Atta	acnmei	nc 1-0).		
B. Thi	s modification formal	ly incorporates the	above	e referenced contract	: work	ς .
Continu		zuszpozacos one				-
	rovided herein, all terms and conditions of the	ne document referenced in Item 9A or 1/	OA, as her	etofore changed, remains unchanged and	d in full for	ce and effect.
	AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING		
			Jam	es Lovett /	j	
15B. CONTE	RACTOR/OFFEROR	15C, DATE SIGNED		JINTED STATES OF AMERICA 1	╃─	16C. DATE SIGNED
	<del>-</del>		-11	1. 2 V - 1/2=	#	
	(Signature of person authorized to sign)		17	(Signatury of Contracting Officer)	<del> </del>	03/20/2014
NSN 7540-0			/-			DARD FORM 30 (REV. 10-83)
Previous edi	tion unusable		/	1		ibed by GSA 18 CFR) 53.243

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	DE-AC09-08SR22470/0443	2	2

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	authorizations as part of the contract. As stated under DEAR 970.5211-1 Work Authorization				<del></del>
	(May 2007), paragraph (b), the work				
	authorization, whether issued bilaterally or		1		
	unilaterally shall become a part of the contract.		1		
	C. The contract estimated value and all other		1		
	terms and conditions remain unchanged.		l I		
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2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 0444 03/21/2014 8. ISSUED BY CODE 00901 Savannah River Operations U.S. Department of Energy	7. ADW	UISITION/PURCHASE REQ. NO.		1   2 DJECT NO. (if applicable)
8. ISSUED BY CODE 00901 Savannah River Operations		INISTERED BY (If other than Item 6)	CODE	
Savannah River Operations		INISTERED BY (If other than Item 6)	CODE	
•			CODE	00901
II S Department of Energy	Sava	nnah River Operati	ons	
o.s. Department of Energy	U.S.	Department of Ene	rgy	
Savannah River Operations		nnah River Operati	ons	
P.O. Box A	1	Box A		
Aiken SC 29802	Alke	en SC 29802		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(x) <sup>9A.</sup>	AMENDMENT OF SOLICITATION N	O.	
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC				
Attn: LLOYD CLEVINGER	98.	DATED (SEE ITEM 11)		
203 LAURENS ST SW				
AIKEN SC 298012421	104	. MODIFICATION OF CONTRACT/O	RDER NO.	<del></del>
		-AC09-08SR22470		
	108	. DATED (SEE ITEM 13)	· · · · · · · · · · · · · · · · · · ·	
CODE 798861048 FACILITY CODE	0	1/10/2008		
11. THIS ITEM ONLY APPLIE	S TO AMENDA	ENTS OF SOLICITATIONS		
☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date	•	· -	-	is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified		•		· · · ·
Items 8 and 15, and returning copies of the amendment; (b) By ack separate letter or telegram which includes a reference to the solicitation and amendment		•		• • •
THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR A				
virtue of this amendment you desire to change an offer already submitted, such change		y telegram or letter, provided each tel	legram or letter i	makes reference
to the solicitation and this amendment, and is received prior to the opening hour and dat	te specified.			·
12. ACCOUNTING AND APPROPRIATION DATA (If required) No Change to Accounting and Appropriation Dat	+=			
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/O		NICIES THE CONTRACTIONER HE	AC DECORIO	FA 11 FF14.4
13. THIS TIEM ONLY APPLIES TO MODIFICATION OF CONTRACTSO	UKDEKS. II MU	JUIFIES THE CONTRACTIONUER NO	J. AS CESCRIBI	EU IN ITEM 14.
CHECK ONE  A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority ORDER NO. IN ITEM 10A.	y) THE CHANG	ES SET FORTH IN ITEM 14 ARE MA	DE IN THE CO	NTRACT
ORDER NO. IN ITEM 10A.	_			
B. THE ABOVE NUMBERED CONTRACT/CROER IS MODIFIED TO REF appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THI	FLECT THE AD	MINISTRATIVE CHANGES (such as	changes in payi	ng office,
appropriately stay out 1 state at 14,7 stasysta to 11	L AOTHORIT	O1 174145.100(0).		
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT	T TO AUTHOR	TY OF:		·····
C OTHER SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADDRESS OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE S	<u>.</u>			
D. OTHER (Specify type of modification and authority)		·· (M 2007)		
X   Section I, DEAR 970.5211-1 Work Author				
E. IMPORTANT: Contractor Is not. Is required to sign this docum			ne issuing office.	<del></del>
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section heading		•	•	
A. The purpose of this modification is to in	corpora	te the contract wor	k author	izations
listed below:				
1) No. HQTD1002-14, for Alternative Waste Pre	et <b>reat</b> me	nt (See Attachment	1, A)	
2) No. HQ1001-14, Rev 3, for Energy Employees	Occupat	tional Illness Comp	ensation	Program
(EEOICPA) (See Attachment 1, B)				
3) No. 89X0319-14, Rev 2, for Fuel Cycle Tec	hnologi	es (see Attachment	1-C)	
4) No. PC410003-14, Rev 3, for Packaging and				Operations
Support (see Attachment 1-D)			>	
• •	1++achma	n+ 1_₽\		
5) No. SL-410003-14, for Solar Energy (see A			1000 34	taabmant 1
6) No. HQTD1001-14, Rev 2, for Waste Retrieva	ıı and C.	rosure recunologies	(See At	.cacnment 1,
Continued				
Except as provided herein, all terms and conditions of the document referenced in Item 9A				
15A. NAME AND TITLE OF SIGNER (Type or print)	16A. I	NAME AND TITLE OF CONTRACTIN	og officek (7,	ype or print)
	Jam	es Lovett	Λ	
	NED 16B	JNIVED STATES OF AMERICA		16C. DATE SIGNED
158. CONTRACTOR/OFFEROR 15C. DATE SIGN		, , /IA		· 1
15B. CONTRACTOR/OFFEROR 15C. DATE SIGN	(		マス	
		(Signature of Contracting Office	2/	03/21/2014
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)  NSN 7540-01-152-8070	1	(Sign ture of Contracting Office	STANDA	03/21/2014  RD FORM 30 (REV. 10-83)  rd by GSA

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	)F
	DE-AC09-08SR22470/0444	2	2

TEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT	
(A)	(B)		(D)	(E)	(F)	
	F)	<del>                                     </del>			<del>_</del>	
	\	ļ	1 1			
	Funds were previously allocated by separate					
	modifications under FINPLAN No. 8, for Fiscal		1			
	Year 2014 (copy of FINPLAN provided, see					
	Attachment G).		1 1			
			1			
	B. This modification formally incorporates the above referenced contract work authorizations as		1 1	į		
	part of the contract. As stated under DEAR			Į.		
	970.5211-1 Work Authorization (May 2007),			i		
	paragraph (b), the work authorization, whether					
	issued bilaterally or unilaterally shall become a					
	part of the contract.	1		1		
	C. The contract estimated value and all other	ŀ				
	terms and conditions remain unchanged.		1 1			
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRA	.CT	1. CONTRACT ID CODE	PAGE OF PAGES				
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE		EQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)				
0445	03/26/2014		14EM001423					
6. ISSUED BY CODE	00901	7. 4	ADMINISTERED BY (If other than Item 6)	CODE 00901				
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U. Sa P.	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)		BA. AMENDMENT OF SOLICITATION NO.					
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		(*)	9B. DATED (SEE ITEM 11)  x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-08SR22470					
			10B. DATED (SEE ITEM 13)					
CODE 798861048	FACILITY CODE	7 1	01/10/2008					
	11. THIS ITEM ONLY	APPLIES TO AMEN	DMENTS OF SOLICITATIONS					
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If received)	OFFERS PRIOR TO THE ir already submitted, such d prior to the opening hour	HOUR AND DATE change may be made and date specified.	SPECIFIED MAY RESULT IN REJECTION ( te by telegram or letter, provided each telegr	OF YOUR OFFER. If by				
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTR	ACTS/ORDERS. II	MODIFIES THE CONTRACT/ORDER NO. A	AS DESCRIBED IN ITEM 14.				
CHECK ONE A THIS CHANGE ORDER IS ISSUED	PURSUANT TO: (Specify	authority) THE CH	UNGES SET FORTH IN ITEM 14 ARE MADE	E IN THE CONTRACT				
ORDER NO. IN ITEM 10A.								
			ADMINISTRATIVE CHANGES (such as cha ITY OF FAR 43.103(b).	inges in paying office,				
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PU	RSUANT TO AUTH	ORITY OF:					
D. OTHER (Specify type of modification	and authority)			7700				
X Section I, DEAR 5232	-4 Obligation	of Funds						
E. IMPORTANT: Contractor I is not.	is required to sign this	s document and retu	ım <u>0</u> copies to the i	issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF section	n headings, includi	ng solicitation/contract subject matter where	feasible.)				
A. The purpose of this modi	fication is t	o obligate	funds to CLIN 0001 (	Department of				
Energy (DOE)), in accordance	with SRNS FI	NPLAN 10.	Funds in the amount of	f \$73,564,050.96				
are hereby obligated to CLIN	0001, thereb	y increasi	ing it from \$5,263,731	,462.55 to				
\$5,337,295,513.51.								
B. As a result of this modi	fication, Par	t I - Sche	edule, Section B, Supp	lies or Services				
and Price/Cost, paragraph B,	entitled "Ob	ligation o	of Funds," is hereby re	evised to increase				
the total amount of funds ob	ligated to th	e contract	from \$6,663,459,806.	38 to				
\$6,737,023,857.34.	-							
C. The contract estimated v Continued	alue and all	other term	ns and conditions rema	in unchanged.				
Except as provided herein, all terms and conditions of the	na daggapani tafaranna-i-	item BA or 104 or	heminings channed semains unchanned on	nd in full force and effect				
15A. NAME AND TITLE OF SIGNER (Type or print)	TO COMPLETE TO THE PARTY OF THE		NAME AND TITLE OF CONTRACTING					
			^					
			ames Lovett					
15B. CONTRACTOR/OFFEROR	15C. DA	TE SIGNED 16	BB. UNITED STATES OF AMERICA	18C. DATE SIGNED				
(Signature of person authorized to sign)	<del></del> _	[-	(Signature of Contracting Officer)	03/26/2014				
NSN 7540-01-152-8070			/	STANDARD FORM 30 (REV. 10-83)				
Previous edition unusable				Prescribed by GSA FAR (48 CFR) 53.243				

REFERENCE NO. OF WENT BEING CONTINUED	PAGE	OF.
CONTINUATION SHEET DE-AC09-08SR22470/0445	2	2

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	LINIT	UNIT PRICE	AMOUNT
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AMENDM	ENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2
2. AMENDME	ENT/MODIFICATION NO.	3. EFFECTIVE DATE		UISITION/PURCHASE REQ. NO.	5. PRO	DJECT NO. (If applicable)
0446		03/26/2014	14EM	001423		
6. ISSUED B	Y CODE	00901	7. ADI	MINISTERED BY (If other than Item 6)	CODE	00901
Savanna	ah River Operations		Sav	annah River Operations		
	epartment of Energy			. Department of Energy		
	ah River Operations			annah River Operations		
P.O. Bo	ox A SC 29802			. Box A en SC 29802		
Alken s	SC 29602		L WIK	en 3C 29602		
8. NAME AN	D ADDRESS OF CONTRACTOR (No., stree	t, county. State and ZIP Code)	(x) <sup>9A</sup>	AMENDMENT OF SOLICITATION NO.		
ZAVANNA	H RIVER NUCLEAR SOLUT	IONS, LLC	П			
	LOYD CLEVINGER	10115, 220	9B	DATED (SEE ITEM 11)		
	RENS ST SW		$  \cdot  $			
AIKEN S	C 298012421		10	A. MODIFICATION OF CONTRACT/ORDER N	10	
				E-AC09-08SR22470	Ю.	
			10	B. DATED (SEE ITEM 13)		
CODE 7	98861048	FACILITY CODE	1 ∣∘	1/10/2008		
		11. THIS ITEM ONLY APPLIES TO	AMENDA	ENTS OF SOLICITATIONS		<del> </del>
☐ The above	numbered solicitation is amended as set f	orth in Item 14. The hour and date speci	fied for re	oceipt of Offersis exter	nded,	is not extended.
separate k	etter or telegram which includes a reference	e to the solicitation and amendment numi	bers. FA	ceipt of this amendment on each copy of the of ILURE OF YOUR ACKNOWLEDGEMENT TO	BE REC	CEIVED AT
				ECIFIED MAY RESULT IN REJECTION OF YO by telegram or letter, provided each telegram o		. •
	citation and this amendment, and is receive			by the grain of total, provided dutal telegrain t	H PULLER I	nakes reletering
12. ACCOUN	TING AND APPROPRIATION DATA (If re	quired) Net	Inc	rease: \$	332,	117.16
	13. THIS ITEM ONLY APPLIES TO A	IODIFICATION OF CONTRACTS/ORDE	RS, IT M	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBE	ED IN ITEM 14.
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) THI	E CHAN	SES SET FORTH IN ITEM 14 ARE MADE IN T	HE COI	NTRACT
	B. THE ABOVE NUMBERED CONTRA	CT/ORDER IS MODIFIED TO REFLECT	THE AL	MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).	in payir	ng office,
	appropriation date, etc.) SET FORT	HINTIEM 14, PORSOANT TO THE AU	INORII	OF FAR 43. 103(b).		
	C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT TO	AUTHOR	ITY OF:		
	D. OTHER (Specify type of modification	**		_		<u> </u>
x	Section I, DEAR 5232	2-4 Obligation of Fur	nds	· · · · · · · · · · · · · · · · · · ·		
E. IMPORTA	NT: Contractor X is not.	is required to sign this document ar	ed return	O copies to the issuin	g office.	
			_	solicitation/contract subject matter where feasi	•	
	- ·	•		funds to CLIN 0001 (Rei		
Commerc	cial), in accordance w	ith SRNS FINPLAN 10.	Fun	ds in the amount of \$33	2,11	7.16 are
hereby	obligated to CLIN 000	1, thereby increasing	ıg it	from \$5,337,295,513.51	to	
\$5,337,	627,630.60.					
B. As	a result of this modi	.fication, Part I - S	ched	ule, Section B, Supplie	s or	Services
and Pri	ice/Cost, paragraph B,	entitled "Obligation	n of	Funds," is hereby revi	sed	to increase
the tot	al amount of funds ob	ligated to the contr	act	from \$6,737,023,857.34	to	
\$6,737,	355,974.50.					
C. The	e contract estimated v	value and all other t	erms	and conditions remain	unch	anged.
Continu	ued					
		he document referenced in Item 9A or 10		retofore changed, remains unchanged and in f		
15A. NAME	AND TITLE OF SIGNER (Type or print)		16A.	NAME AND TITLE OF CONTRACTING OFFI	CER (T)	ype or print)
			Jar	mes_Lovett	,	
158, CONTR	RACTOR/OFFEROR	15C. DATE SIGNED		UNITED STATES OF AMERICA	—	16C. DATE SIGNED
WHIT	, r <u></u>	IVO. DATE SIGNED	138.	16 1	4	Drive Signed
	(Signature of person authorized to sign)		1-	(Signature of Contracting Officer)	1	03/26/2014
NSN 7540-0	<del></del>		-1/		TANDA	RD FORM 30 (REV. 10-83)
	ition unusable					d by GSA
				F	rur (48 i	CFR) 53.243

CONTINUESTION OFFEE	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	)F	
CONTI	NUATION SHEET	DE-AC09-08SR22470/0446	2	2

ITEM NO.	SUPPLIES/SERVICES	QUANTITY UNIT	UNIT PRICE	AMOUNT
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AMENDM	ENT OF SOLICITATION/MODIFIC	ATION OF CONTR	ACT	1. CONTRACT ID CODE	PAGE OF	PAGE OF PAGES		
2. AMENDMI	ENT/MODIFICATION NO.	3. EFFECTIVE DATE	14.	REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.	2 (If applicable)		
0447		03/26/2014	1.	1EM001423		( opp)		
6. ISSUED B	Y CODE	00901	7	ADMINISTERED BY (If other than Item 6)	CODE 0090			
U.S. De Savanna P.O. Be	ah River Operations epartment of Energy ah River Operations ox A SC 29802		S	avannah River Operations .S. Department of Energy avannah River Operations .O. Box A iken SC 29802				
8. NAME AN	D ADDRESS OF CONTRACTOR (No., street	county, State and ZiP Cod	(9)	9A. AMENDMENT OF SOLICITATION NO.	<del></del>			
		-	· (x.					
Attn: L 203 LAU	H RIVER NUCLEAR SOLUTI LOYD CLEVINGER RENS ST SW C 298012421	ions, EEC	×	9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER N DE-AC09-08SR22470  10B. DATED (SEE ITEM 13)	10.			
CODE 7	98861048	FACILITY CODE		01/10/2008				
	20001040		V ADDITES TO AUT	NOMENTS OF SOLICITATIONS				
Items 8 an separate li THE PLAC virtue of th	nd 15, and returning coperter or telegram which includes a reference CE DESIGNATED FOR THE RECEIPT OF C	sies of the amendment; ( to the solicitation and a DFFERS PRIOR TO THI r already submitted, suc	(b) By acknowledgir mendment numbers E HOUR AND DATI h change may be m	icitation or as amended, by one of the following met ig receipt of this amendment on each copy of the of FAILURE OF YOUR ACKNOWLEDGEMENT TO ESPECIFIED MAY RESULT IN REJECTION OF YOU add by telegram or letter, provided each telegram of	fer submitted; or (c) BE RECEIVED AT OUR OFFER. If by	Ву		
	NTING AND APPROPRIATION DATA (If req	· · · · · · · · · · · · · · · · · · ·			\$111,612.4	9		
	43 THE ITEM ON V ABBI IEC TO M	DOLEICATION OF CONT	PACTO ORDERO	IT MODIFIES THE CONTRACT/ORDER NO. AS DE				
CHECK ONE		T/ORDER IS MODIFIE IN ITEM 14, PURSUAI	D TO REFLECT TH NT TO THE AUTHO	HANGES SET FORTH IN ITEM 14 ARE MADE IN T E ADMINISTRATIVE CHANGES (such as changes RITY OF FAR 43.103(b).				
	D. OTHER (Specify type of modification	and authority)			. ,			
х	Section I, DEAR 5232	-4 Obligation	n of Fund	5				
E. IMPORTA	NT: Contractor is not,	🕱 is required to sign t	his document and re	turn1_ copies to the issuin	g office.			
The pur de-obli	rpose of this modifica igate funds from CLIN	tion is to c	orrect cle	ting solicitation/contract subject matter where feasiverical error on Modification for the following applies:  to amount as read "5,337,	on 0446, a			
should	read "\$5,337,627,630.	67."		obligated from CLIN 0001,				
	Agencies), in accord			_	(NOIX 10	. Other		
2) Depa		curity: -\$35						
	rovided herein, all terms and conditions of the AND TITLE OF SIGNER (Type or print)		T T	is heretofore changed, remains unchanged and in file.  16A. NAME_AND_TITLE_OF_CONTRACTING_OFFI		<u> </u>		
		L.C. Cleving	ger II	James Lovett	,			
15B. CONTI	RACTOR/OFFEROR		macis	16B. WINTED STATES OF AMERICA		DATE SIGNED		
	(Signature of person authorized to sign)		41/17	(Signature of Contracting Office)		3/27/2014		
NSN 7540-0	01-152-8070			<i>y</i> s	TANDARD FORM	30 (REV. 10-83)		

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	PAGE	OF
CONTINUATION SHEET	DE-AC09-08SR22470/0447	2	2

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	3) Department of Justice: -\$125,930.44				
	4) Department of State: \$24,272.00	1	11	4	
	5) Other: \$344,753.06		1		
	Thereby decreasing CLIN 0001 from	j			
	\$5,337,627,630.67 to \$5,337,516,018.18.			ĺ	
	43,337,027,030.07 to 43,337,310,010.10.		l I		
	B. As a result of this modification, Part I -	}	11	l l	
	Schedule, Section B, Supplies or Services and				
	Price/Cost, paragraph B, entitled "Obligation of				
	Funds," is hereby revised to decrease the total		1 1	Ï	
	amount of funds obligated to the contract from				
	\$6,737,355,974.50 to \$6,737,244,362.01.	1	1 1	ļ	
			<b>!</b> !		
	C. The contract estimated value and all other		1	1	
	terms and conditions remain unchanged. FOB: Destination		1 1	Ì	
	rob: Descination				
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2 AMENDMEN	MI OF COLICERATION INC.	ATION OF CONTRACT		1. CONTRACT ID CODE		GE OF PAGES 1 2
- FUNCTIONEN	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJE	ECT NO. (If applicable)
0448		03/27/2014				
6. ISSUED BY	CODE	00901	7. ADI	MINISTERED BY (If other than Item 6)	CODE	00901
Savannal	h River Operations		Sava	annah River Operations	•	
	partment of Energy			. Department of Energy		
	h River Operations			annah River Operations		
P.O. Box Aiken SC				. Box A en SC 29802		
niikon o						
	ADDRESS OF CONTRACTOR (No., stroot		(x) 9A	AMENDMENT OF SOLICITATION NO.		
	RIVER NUCLEAR SOLUT	IONS, LLC		DATED (SEE ITEM 11)		
	OYD CLEVINGER ENS ST SW			ONIED (SEE TIEM TI)		
	298012421					
	230012.01		x  10/	A. MODIFICATION OF CONTRACT/ORDER 5-AC09-08SR22470	R NO.	
			101	B. DATED (SEE ITEM 13)		
CODE 79	8861048	FACILITY CODE	<b>7</b> ∫₀	1/10/2008		
		11. THIS ITEM ONLY APPLIES TO	AMENDA	IENTS OF SOLICITATIONS	•	
	numbered solicitation is amended as set for			, _		is not extended.
		•		on or as amended, by one of the following meint of this amendment on each copy of the		
		•		ceipt of this amendment on each copy of the ILURE OF YOUR ACKNOWLEDGEMENT 1		
THE PLACE	DESIGNATED FOR THE RECEIPT OF	OFFERS PRIOR TO THE HOUR AND	DATE SP	ECIFIED MAY RESULT IN REJECTION OF	YOUR OFFE	IR. If by
	s amendment you desire to change an offe lation and this amendment, and is received			by telegram or letter, provided each telegran	n or letter mai	kes reference
	TING AND APPROPRIATION DATA (# req					
No Chan	ge to Accounting and	Appropriation Data				
	13. THIS ITEM ONLY APPLIES TO M	IODIFICATION OF CONTRACTS/ORDE	RS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS	DESCRIBED	IN ITEM 14.
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	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0448	2	2

AVANNAH RIVER NUCLEAR SOLUTIONS, LLC							
ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT		
(A)	(B)	(C)	(D)	(E)	(F)		
	7) No. SRO91701-14, Rev 3, for In situ	<del></del>	1 1				
	Decommissioning Technology Development and						
	Demonstration (see Attachment 1-G)						
	Funda ways musuiswalu allacated bu sananata						
	Funds were previously allocated by separate modifications under FINPLAN No. 10, for Fiscal						
	Year 2014 (copy of FINPLAN provided, see		1 1				
	Attachment H).	]					
	· ·	ł					
	B. This modification formally incorporates the	1	1	İ			
	above referenced contract work authorizations as	ŀ					
	part of the contract. As stated under DEAR			1			
	970.5211-1 Work Authorization (May 2007), paragraph (b), the work authorization, whether	ł	1 1				
	issued bilaterally or unilaterally shall become a	1					
	part of the contract.						
	•	1	] [				
	C. The contract estimated value and all other	1					
	terms and conditions remain unchanged.	1					
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AMENDMENT OF SOLICITATION/MODIFIC	CATION OF CO	NTRACT	1. 0	CONTRACT ID CODE		PAGE O	PAGES
						1	2
2. AMENDMENT/MODIFICATION: NO.	3. EFFECTIVE (		I. REQUISI	TION/PURCHASE REQ. NO.	5.	PROJECT NO	). (If applicable)
0449	04/02/20		7 ADMAN	TEREN DV ///		one I	
6. ISSUED BY CODE	00901		7. AUMINIS	STERED BY (If other than Item	10)	ODE 0090	1
Savannah River Operations				ah River Operat			
U.S. Department of Energy		l l		epartment of En			
Savannah River Operations				nah River Opera	tions		
P.O. Box A			P.O. E	SC 29802			
Aiken SC 29802		Ι'	мткеп	SC 29802			
8. NAME AND ADDRESS OF CONTRACTOR (No., 800)	et, county, State and a	Z(P Code) (3	x) BA. AME	ENDMENT OF SOLICITATION	NO.		
AVANNAH RIVER NUCLEAR SOLUT	TIONS, LLC						
Attn: LLOYD CLEVINGER			8B. DAT	TED (SEE ITEM 11)			
03 LAURENS ST SW							
AIKEN SC 298012421		-	10A MC	DDIFICATION OF CONTRACT	T/ORDER NO		_ <del></del> :
		×		C09-08SR22470			
		Ì	108. DA	TED (SEE ITEM 13)			<del></del>
CODE 798861048	FACILITY COD	E	01/1	10/2008			
	11. YRIS ITE	M ONLY APPLIES TO AM	ENDMENT	8 OF SOLICITATIONS			
· · · · · · · · · · · · · · · · · · ·	opies of the amend	lment; (b) By acknowledgi	ing receipt	of this amendment on each co	ppy of the offer	submitted; or (e	:) By
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF							
virtue of this amendment you desire to change an off							
to the solicitation and this amendment, and is receive		ing hour and date specific	ed.				
12. ACCOUNTING AND APPROPRIATION DATA (18 rs	•						
No Change to Appropriation							
13. THIS ITEM ONLY APPLIES TO (	MODIFICATION OF	CONTRACTS/ORDERS.	. IT MODIF	IES THE CONTRACT/ORDER	NO. AS DESC	RIBED IN ITEN	114.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (	Specify authority) THE C	HANGES S	SET FORTH IN ITEM 14 ARE	MADE IN THE	CONTRACT	
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	ACT/ORDER IS MO TH IN ITEM 14, PU	DIFIED TO REFLECT TO	HE ADMINI	STRATIVE CHANGES (such	as changos in	paying office,	
C. THIS SUPPLEMENTAL AGREEME							
D. ÖTHER (Specify type of modification	n and authority)		<del></del>		<del></del>		
X Section I, DEAR 523	2-4 Obliga	ation of Fund	ls				
E. IMPORTANT: Contractor 🗵 is not.	is required to	sign this document and r	rotum	0 copies t	o the issuing o	ffice.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION	N (Organized by UC	CF section headings, inch	uding solicit	ation/contract subject matter	where feasible.	)	
A. The purpose of this mod:	ification	is to correc	t repo	orting errors f	or USA S	Spending	to
STARS for FY 2014, Non-appro	opriated f	und expendit	ures.	The modificat	ions and	amount	s are
listed below:	-	-					
l) Mod 0415, under SRNS FIR	NPLAN #3:	\$65,788.87					
2) Mod 0419, under SRNS FIR		· ·					
·		•					
Mod 0425, under SRNS FI		· ·					
<ol> <li>Mod 0433, under SRNS FIR</li> </ol>		•					
5) Mod 0440, under SRNS FIR	NPLAN #8:	(-\$17,186.56	)				
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C. The contract estimated v	value and	all other te	rms ar	a conditions r	emain u	ncnanged	•
Continued							
Except as provided herein, all terms and conditions of	The document refer	enced in Item 9A or 10A,					
15A. NAME AND TITLE OF SIGNER (Type or print)			l .	E AND TITLE OF CONTRAC	IING OFFICE	K (Type or prin	U
			Ange 1	a S. Morton			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		ED STATES OF AMERICA			C. DATE SIGNED
(Signature of person authorized to sign)			ا —	(Signature of Contracting C	Afficer)	— I'	04/02/2014

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53 243

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	NOTE: Administrative Change Only for Reporting					
	of FPDS from STARS to USA Spending (Internal		1	j		
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	Correction). A corrected FPDS will be		1 1			
	processed for each modification.		1 1			
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	ENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	DUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
0450		04/08/2014			
6 ISSUED BY	CODE	00901	7. ADI	MINISTERED BY (If other than Item 6)	CODE 00901
Savanna	h River Operations		Sav	annah River Operations	·
U.S. De	partment of Energy		U.s	. Department of Energy	
	h River Operations		- 1	annah River Operations	
P.O. Bo			1	. Box A en SC 29802	
Alken S	SC 29802		Alk	en SC 29002	
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) <sup>9A</sup>	AMENDMENT OF SOLICITATION NO.	
SAVANNA	H RIVER NUCLEAR SOLUT	IONS, LLC			
	LOYD CLEVINGER		98	DATED (SEE ITEM 11)	
203 LAUI	RENS ST SW				
AIKEN SO	C 298012421		10	A. MODIFICATION OF CONTRACT/ORDER N	0.
			X  DI	E-AC09-08SR22470	<b>-</b>
			1 L		
			10	B. DATED (SEE ITEM 13)	
CODE 79	98861048	FACILITY CODE	0	1/10/2008	
		11. THIS ITEM ONLY APPLIES TO			
_	numbered solicitation is amended as set for	•		· ·	nded. Dis not extended.
				ion or as amended, by one of the following met ceipt of this amendment on each copy of the off	
separate le	etter or telegram which includes a reference	to the solicitation and amendment num	nbers. FA	ILURE OF YOUR ACKNOWLEDGEMENT TO	BE RECEIVED AT
-				ECIFIED MAY RESULT IN REJECTION OF YO	• • • • • • • •
	is amendment you desire to change an offe itation and this amendment, and is received			by telegram or letter, provided each telegram o	rietter makes reterence
12. ACCOUN	ITING AND APPROPRIATION DATA (If req	quired)			
No Chan	nge to Accounting and	Appropriation Data			
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDE	RS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN ITEM 14.
CHECK ONE	A TUIS CHANGE OPDED IS ISSUED I	BUDSHANT TO: (Specify outbooks) Th	IE CHAN	SEC SET EODTH IN ITEM 14 ARE MARE IN T	HE CONTRACT
	ORDER NO. IN ITEM 10A.	-OKSOANT TO: (Specify Building) Th	IE CHANG	GES SET FORTH IN ITEM 14 ARE MADE IN T	HE CONTRACT
	B. THE ABOVE NUMBERED CONTRAC	CT/ORDER IS MODIFIED TO REFLEC	T THE AL	DMINISTRATIVE CHANGES (such as changes ) OF FAR 43.103(b).	in paying office,
	appropriation date, etc.) SET FORTH	TIN TEM 14, PORSONNI TO THE AU	MORIT	OF PAR 43.103(b).	
	C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO	AUTHOR	NITY OF:	
	D. OTHER (Specify type of modification	and authority)			
х	Section I, DEAR 970.		zatio	on (May 2007)	
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1) 11-	HOMB1002 14 Borr 1	for Altonomonius Wood	<b>.</b>	atmostment /Can Betach	1 3
				etreatment (See Attachm	
			occup	ational Illness Compens	ation Program
	A) (See Attachment 1,				
3) No.	· · · · · · · · · · · · · · · · · · ·	<del>-</del>	-	es (see Attachment 1-C)	
	UT-410002-14 Post 4	for Fuel Cell Tec	hnolo	gies Office (See Attach	ment 1, D)
				ding (See Attachment 1,	E)
		for Increased Waste	d Loa	-	E)
5) No.	HQTD1005-14, Rev 3,			ication and Transportat	
5) No. 6) No.	HQTD1005-14, Rev 3,			ication and Transportat	
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5) No. 6) No. Support Continue	HQTD1005-14, Rev 3, PC410003-14, Rev 4, (see Attachment 1-F) ed ovided herein, all terms and conditions of the	for Packaging and C	ertif OA, as he	retofore changed, remains unchanged and in fu	ion Operations
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5) No. 6) No. Support Continu Except as pro 15A NAME A	HQTD1005-14, Rev 3, PC410003-14, Rev 4, (see Attachment 1-F) ed ovided herein, all terms and conditions of the	for Packaging and Control of the document referenced in Item 9A or 1	OA, as he	retofore changed, remains unchanged and in fundamental NAME AND TITLE OF CONTRACTING OFFICE	ion Operations  Ill force and effect.  CER (Type or print)

FAR (48 CFR) 53.243

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CONTINUATION SHEET	DE-AC09-08SR22470/0450	2	2

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	7) No. HQTD1000-14, Rev 1, for Technical				
	Planning, Integration and Risk Management (see				
	Attachment 1-G)	!			
	8) No. HQTD1001-14, Rev 3, for Waste Retrieval				
	and Closure Technologies (See Attachment 1-H)				
	9) No. WW-410003-14, Rev 2, for Wind and	ļ			
	Hydropower Tech Program (See Attachment 1, I)		1 1		
	<u></u>				
	Funds were previously allocated by separate modifications under FINPLAN No. 10, for Fiscal		1		
	Year 2014 (copy of FINPLAN provided, see				
	Attachment J).				
	Accaemment 0).				
	B. This modification formally incorporates the			i	
	above referenced contract work authorizations as				
	part of the contract. As stated under DEAR			1	
	970.5211-1 Work Authorization (May 2007),				
	paragraph (b), the work authorization, whether				
	issued bilaterally or unilaterally shall become a	1			
	part of the contract.	1			
	C. The contract estimated value and all other				
	terms and conditions remain unchanged.	•		1	
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04/16/2014						
6. ISSUED BY CODE	00901	7. ADI	MINISTERED BY (If other than Item 6)	CODE 0	0901	
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8. NAME AND ADDRESS OF CONTRACTOR (No., street SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		9B.	AMENDMENT OF SOLICITATION NO.  DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NO.  -AC09-08SR22470  B. DATED (SEE ITEM 13)	0.		
CODE 798861048	FACILITY CODE	1 0	1/10/2008			
120001040	11. THIS ITEM ONLY APPLIES TO					
	uired) Appropriation Data ODIFICATION OF CONTRACTS/ORDER	RS. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DES	200000000000000000000000000000000000000	320K. V P.S. V.S. V.	4.
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH			MINISTRATIVE CHANGES (such as changes of FAR 43.103(b).  TY OF:	in paying of	fice,	
D. OTHER (Specify type of modification	AND AND A CONTRACT OF A STATE OF					
X   Clause H-28, Perform						
E. IMPORTANT: Contractor  is not.  14. DESCRIPTION OF AMENDMENT/MODIFICATION (	is required to sign this document an					
A. The purpose of this modified Plan (PEMP), Revision 3, for Previous edition of the FY 2 effective April 16,2014, copy B. All other terms and conditions	fication is to incor the period October 014 PEMP is hereby s y attached hereto.	pora 1, 2 uper	te Performance Evaluation 13 through September 30	on Mea 0, 201	4.	
Except as provided herein, all terms and conditions of the 15a. NAME AND TITLE OF SIGNER (Type or print)  15B. CONTRACTOR/OFFEROR	e document referenced in Item 9A or 10	16A.I	etofore changed, remains unchanged and in full NAME AND TITLE OF CONTRACTING OFFICE ie A. Garvin		or print)	DATE SIGNED
(Signature of person authorized to sign)		1	Aaple A. Donv		04	/16/2014

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



U.S. Department of Energy Savannah River Site

# PERFORMANCE EVALUATION MEASUREMENT PLAN

Savannah River Nuclear Solutions, LLC CONTRACT NO. DE-AC09-08SR22470 Modification No. 451

**Evaluation Period:** 

October 1, 2013 through September 30, 2014

Rev. 3 effective: April 16, 2014

Contracts Management Division

# **Approval Page**

Concurrence:	Date:
Lucy Knowles Chief Counsel, Office of Chief Counsel	4-16-2014
Jeffrey C/Armstrong Director, Office of Acquisition Management	4-16-2014
Nough & Hute Douglas E. Hintze Assistant Manager for Mission Support	69 Apr 2414
Approval:	
James Lovett, Jr. Contracting Officer	4-16-2014

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## **Revision Summary Log**

Rev. #	Rev. Date	Affected Sections / Pages	Description of Revision	
0	10/01/13	All	Initial Issue for this evaluation period	
1	10/24/13	Page 21, changed incentive summary table to reflect switch of fee from NMS to LS.	Nuclear Material Stabilization: \$8,900,000 \$8,800,000 Landlord Services: \$6,160,000 \$6,260,000	
1	10/24/13	Page 22, changed allocated fee for EMO PBI.	Allocated Fee: \$8,900,000 \$8,800,000	
1	10/24/13	Page 23, changed completion criteria for milestone SRNS2014EMO-1.01.	Completion Criteria: Ship one LEU trailer offsite to Areva for TVA contract.	
ī	10/24/13	Page 25, changed completion criteria for milestone SRNS2014EMO-2.01.	Completion Criteria: Prepare, and receive, and store containers of surplus plutonium and uranium from LANL offsite-items in K Area in accordance with the schedule maintained by DOE-SR.	
1	10/24/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.06.	Completion Criteria: K Area will perform 20 Pu measurements on 20 different cans.	
1	10/24/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.08.	Completion Criteria: Complete FSV +34 or the +48 roof replacement. Replace the Final Storage Vault roof at either the +34 or the +48 level depending on roofer's evaluation.	
1	10/24/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.02.	a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.  Assumes DNFSB-concurrence with proposal.  b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, Iissue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.	
Ĩ	10/24/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.03.	Completion Criteria: Determine the feasibility of study to stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.	
1	10/24/13	Page 27, deleted milestone SRNS2014EMO-3.04.	Date: 12/30/13 Fee: \$100,000 Completion Criteria: Submit DSA/TSR for F/H laboratory based on leak path factor evaluation. Acceptance Criteria: DOE-SR will review the SRNS approved DSA/TSR for the F/H lab based on leak path factor evaluation:	
1	10/24/13	Page 43, changed completion criteria for milestone SRNS2014SRNL-2.02.	a. Continue work on "strategie" tasks for ORP initiated in FY13 – including options for dealing with Tc, waste qualification strategies, process scenario evaluations, and glass formulation approaches. This effort could move into leading and executing Grand Challenges in support of the high level waste processing system at Hanford. Develop program execution plans for Grand Challenge efforts in support of high level waste processing at the Hanford site. Complete first phase of experimentation as part of these programs. Participate on the Hanford Tank Waste Disposition Integrated Flowsheet development team. Perform flowsheet evaluations and provide definition of key interfaces and waste acceptance criteria.  b. Perform work for Hanford Contractors including WRPS and WTP. Potential scope areas include continuing work on Caststone, Te removal options, development of waste qualification equipment and approaches.	

			- Complete full scale mixer testing in support of Caststone work  - Complete experimentation on Te removal options selected during downselection  - Develop conceptual design and fabricate test equipment in support of the waste qualification effort  c. Continue leadership of the National Laboratory Technical Authority Team in support of the WTP Full Scale Vessel Qualification Testing Program.  - Define and qualify the instrumentation to be used during the full scale demonstration effort. Develop the simulant to be used during this instrument qualification and the first phase of testing.
1	10/24/13	Page 44, changed completion criteria for milestone SRNS2014SRNL-2.03.	Completion Criteria: Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts could include:  a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership.  b. Issue technical report/journal article on the next phase of Elong term glass corrosion modeling work studies.
			c. Potential work in separations areas:  Completion Criteria:  Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP, that may include the following.
1	10/24/13	Pages 44 and 45, changed completion criteria for milestone SRNS2014SRNL-3.01.	<ul> <li>a. Provide technical support and report development to Environmental Compliance &amp; Area Completion Projects (EC&amp;ACP) in meeting regulatory milestones and deliverables (e.g., finalize 5 year ROD review deliverable, complete an H-tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan, complete an F-Tank Farm Groundwater Sampling and Analysis Plan, develop a Five-Year Remedy Review).</li> <li>b. Continue development and transition to passive environmental technologies and approaches for EC&amp;ACP waste site remediation (e.g., T-Area).</li> </ul>
1	10/24/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.03.	c. Continue support for operating systems and final closure of groundwater and vadose units (e.g., field sampling and analytical support for EC&ACP technology demonstrations and performance analysis for SVE operating treatment systems).  Completion Criteria:  As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE-SR OLO and SRNL, reduce deferred.

			maintenance backlog by effective management of Construction Maintenance orders (CMO) and Major Maintenance scopes and effective execution of IGPP projects. Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan. Completion Criteria: As defined in the approved FY14 SVS Implementation Plan
1	10/24/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.04.	jointly developed by DOE-SR OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost. Implement the SRNL Infrastructure Plan to reduce operational cost by facility and scientific instrument renewal as well as an improved Asset Condition Index as defined in the approved FY14 SVS Implementation Plan.
1	10/24/13	Page 54, changed allocated fee for LS PBI.	Allocated Fee: \$1,410,000 \$1,510,000
1	10/24/13	Page 57, changed completion criteria for milestone SRNS2014LS-3.01	Completion Criteria: Provide liaison support for a successful transition of the privatization of Outsource the SRNS ESS Facilities Maintenance and ensure success by providing business and technical leadership.
1	10/24/13	Page 59, added milestone SRNS2014LS-5.02	Date: 9/30/13  Fee: \$100,000  Completion Criteria:  Evaluate the Critical Infrastructure Integrated Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.  Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.  Acceptance Criteria:  DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:  Evaluate CIIPL documentation.  Review the updated CIIPL quarterly or as-needed.  Evaluate data improvements.  Evaluate CIIPL effectiveness report.
1	10/24/13	Pages 63 and 64, changed Contract Performance Outcome for PBI SRNS2014SUBJ.	Contract Performance Outcome:  Nuclear Materials Management  The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements. Management of nuclear materials at SRS includes storage, operations and disposition.  Solid Waste  The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

			Soil and Water Remediation
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.
			Savannah River National laboratory (SRNL)
			SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.
			Sitewide ES&H Program
			The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.
1	10/24/13	Page 67, changed fee statement for PBI SRNS2014SUBJ.	Up to \$2,610,000 \$5,000,000 of the allocated fee will be paid for this Contract Output.
2	12/30/13	Pages 68 through 76, added the NNSA PEP.	See PEP, beginning on page 68.
3	4/xx/14	Page 24, replaced member of Fee Board chart.	SMITH, T. Zack SPEARS, Terrel, Acting
3	4/xx/14	Page 24, deleted member of Fee Board chart, to be determined.	HOOKER, Karen
3	4/xx/14	Page 25, replaced member of Fee Board	MCGUIRE, Patrick PENNINGTON, Michele
3	4/xx/14	Page 28-29 changed the Description/Background/Justification and fee statement for PBI SRNS2014EMO-01	GREGORY, Johnna  Description/Background/Justification: Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include: maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials.  Up to \$3,900,000 \$4,300,000 of the allocated fee will be paid for this Contract Output.
3	4/xx/14	Page 29, changed the date, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.02	Date: 6/30/14 9/12/14 9/30/14 Contract Output Completion Criteria: a. Complete SRE charging and dissolution. b. Transfer 2 dissolver batches of SRE to a sSludge bBatch 9. Acceptance Criteria: DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14.
3	4/xx/14	Page 29, changed the fee and contract output completion criteria for milestone	Fee: \$500,000 \$250,000; \$125,000 fee paid 1 <sup>st</sup> and 2 <sup>nd</sup> each quarters.

		SRNS2014EMO-1.03	Contract Output Completion Criteria: Charge two bundles of UNF or Pu to the H Canyon dissolver or probe the dissolver twice per shift crew per-in quarters 1 and 2 to maintain proficiency.
3	4/xx/14	Page 29, changed the contract output completion criteria for milestone SRNS2014EMO-1.04	Contract Output Completion Criteria: Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run, DCS Simulator Cold Run or actual hot ops to address equipment operability and maintain operator proficiency. (Due to Liquid Waste Min., only two 1 <sup>st</sup> Cycle and two 2 <sup>nd</sup> Cycle Cold Runs per year.
3	4/xx/14	Page 30 changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.07	Date: 3/31/14 4/30/14 (a and b) 9/30/14 (c, d and e) Fee: a.\$150,000, b.\$150,000, c.\$150,000, d.\$150,000, e.\$150,000  Contract Output Completion Criteria: a. Implement Waste Min. action to revise the sump flush program to track transfers. b. Implement Waste Min. action to recycle HB-Line column waste for use in 6.4D discontinue use of scrubber jumper on Hot Canyon neutralization tanks. c. Implement Develop Waste Min. action to improve neutralization formula for WAC implementation optimize recycle HB-Line column raffinate or use in 6.4D so it is ready to implement. d. Implement Waste Min. action to refine LAW operation and acid-stripping process, process Replace reboiler vessel of Acid Recovery Unit. e. Load two burial boxes with failed equipment from the warm canyon and ship to E Area.  Acceptance Criteria: DOE-SR will review the implemented Liquid Waste Minimization actions by procedure or document review and ensure actions are consistent with the Nuclear Materials System Plan: a) Review Sump Flush procedures and confirm procedures are in accordance with the NCSE; b) Review of neutralization procedures; c) Review HB-Line Raffinate Reuse Evaluation; d) Walkdown and/or review construction work packages; e) Review characterization forms for loaded burial boxes.
3	4/xx/14	Page 30-31, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.08	Date: 9/30/14 6/30/14 9/30/14 7/7/14  Fee: a.\$550,000, \$145,000 b. \$200,000 c. \$505,000  Contract Output Completion Criteria: a. Complete HFIR planning preps Submit SRNS modified and approved OSA-7 and complete the analytical work to develop proposed HFIR Criticality Safety Limits associated with receipt and dissolving of HFIR material. with the exception of the H Canyon NCSE/DSA revision, flowsheet, hydrogen generation study, dissolver insert and storage rack design, fabrication, and installation that may not be completed if funding/staffing is limited. b. Perform evaluation of attractiveness level "C" Complete dissolving operations preps and initate MTR campaign by dissolving one UNF charge, material for H-Canyon dissolution. c. Complete ventilation tunnel inspection with crawler, reduced by \$25K for each week after 7/7/14. No fee after 9/1/14.  Acceptance Criteria: DOE-SR will a) review the completed HFIR planning preps SRNS modified and approved OSA-7 for HFIR (prepared in accordance with 10 CFR 830 and DOE Order 460.1C) and HFIR Criticality Safety Limits (prepared in accordance with DOE-STD-3007-2007), the completed evaluation of attractiveness level "C" UNF material, b) Verify the bundles have been dissolved as determined by probing

			the bundles have been dissolved as determined by probing (procedure review). c) Review video from crawler inspection or view real time and ensure accessible/desired areas were inspected.
3	4/xx/14	Page 31, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.09	Date: 9/30/14 6/30/14 9/30/14  Fee: a. \$250,000, b. \$100,000  Contract Output Completion Criteria: Complete Canadian Liquid unloading and piping Design. a. SRNS submit the Canadian Liquid Receipts conceptual design package in support of a DOE-SR CD#1. b. SRNS submit revised and approved H-Canyon Double Contingency Analysis (DCA) to include Canadian Liquids. Acceptance Criteria: DOE-SR will a) review Canadian HEU Liquid unloading and piping design documents. Liquid Receipts conceptual design package in support of a DOE-SR CD#1 (prepared in accordance with DOE Order 413.3; design requirements and inputs per SRNS-U1000-2014-00030, dated 2/11/14 and per guidance provided by letter from McGuire to Hunt/Girard dated 2/25/14). b) review SRNS approved, revised H Canyon DCA that includes Canadian Liquids (prepared in accordance with DOE-STD-3007-2007 and applicable ANSI/ANS standards).
3	4/xx/14	Page 31, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.10	Date: 3/31/14 9/30/14  Fee: \$150,000, \$300,000  Contract Output Completion Criteria: Implement all actions needed to resume WIPP blending. Complete PVV filter (5.7F) flush including procedure development for performing the flush, establishing piping routes, discard of the filter flush solution to LW and completion of the Unreviewed Safety Question Evaluation (USQE). Acceptance Criteria: DOE-SR will review procedures and documents to verify ready to resume WIPP blending. DOE-SR will review the SRNS completed procedures and USQE documentation (prepared in accordance with 10 CFR Part 830 and DOE G 424.1-1).
3	4/xx/14	Page 32, changed the fee statement for PBI SRNS2014EMO-02	Up to \$2,000,000 \$1,550,000 of the allocated fee will be paid for this Contract Output.
3	4/xx/14	Page 32, changed the acceptance criteria for milestone SRNS2014EMO-2.03	Acceptance Criteria: DOE-SR will review the SRNS approved DSA/TSR supporting FSV FSV (prepared in accordance with 10 CFR 830).
3	4/xx/14	Page 32, changed the acceptance criteria for milestone SRNS2014EMO-2.04	Acceptance Criteria: DOE-SR will review the completed FSV construction project documents and ensure the project is progressing toward a 12/31/14 project completion date and within a \$27.2M base project TPC (\$11.5M FSV scope + \$15.7M original scope) as established in BCP SRNS13M0042 R1.
3	4/xx/14	Page 33, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-2.05	Date: 3/31/14 9/30/14 Fee: \$500,000, \$50,000 Contract Output Completion Criteria: Complete Readiness Assessment on DSA Rev. 10/TSR Rev. 41 to expand K Area capabilities. In preparation for future Pu disposition operations in K-Area, qualify 1 additional FLM as a DE Handling Supervisor and 3 additional production operators as NDE or DE Handling Operators. Acceptance Criteria: DOE-SR will review FLM and operators qualifications to verify individual certifications. observe RA activities as desired and review the RA declaration of readiness.
3.	4/xx/14	Page 33, changed contract output completion criteria for milestone	Contract Output Completion Criteria: Replace the Final Storage Vault roof at either the +34 (Final

		SRNS2014EMO-2.05	Storage Vault) or the +48 level depending on roofer's evaluation.
3	4/xx/14	Page 33, changed the fee statement for PBI SRNS2014EMO-03	Up to \$900,000 \$800,000 of the allocated fee will be paid for this Contract Output.
3	4/xx/14	Page 34, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-3.02	Date: 6/30/14 9/30/14  Fee: a.\$50,000, b. \$50,000 \$100,000  Contract Output Completion Criteria: a. Determine feasibility to reduce to a single 292-F-exhaust fan operation mode with a single 254-13F "SS" Diesel. b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, issue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. SRNS is to perform the canyon ventilation test to validate the end state recommendations of using a single 292-F exhaust fan.  Acceptance Criteria: DOE-SR will review the canyon ventilation test report. SRNS approved feasibility study for a single 292-F exhaust fan supported by a single 254-13F "SS" diesel generator and the design to support the implementation.
3	4/xx/14	Page 34-35, changed the fee and contract output completion criteria for milestone SRNS2014EMO-3.05	Fee: \$650,000 \$550,000; paid at completion of each action item as noted.  Contract Output Completion Criteria:  SRNS will complete the following 235-F Risk Reduction Actions and provide to DOE for review. approximately 30 days before the DOE IP commitment date as noted in the "Date" column:  a. Deliver the Graded EP Drill Report (Action 3-4). (\$50,000)  b. Complete a Readiness Assessment for the Deactivation BIO and submit RA Report (Action 1-4). (\$100,000)  c. Complete removal, isolation, or encapsulation of Fixed Combustibles and provide a final report to DOE (Action 2a-3). (\$150,000)  d. Complete Electrical De-energization scope and provide a final report to DOE (Action2b-2). (\$150,000)  e. Complete installation and acceptance of the FDAS and provide a final report to DOE (Action 2c-3). (\$150,000)  (\$200,000).  f. Complete planned cell infrastructure tasks and report completion (Action 1-3). (\$50,000)
3	4/xx/14	Page 35, changed the Description/Background/Justification and fee statement for PBI SRNS2014EMO-04	Description/Background/Justification: L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmentinged Monitoring and Condition Assessment Program (AMCAP) support to maintain the facilities in a safe and operable condition. Up to \$2,000,000-\$2,150,000 of the allocated fee will be paid for this Contract Output.
3	4/xx/14	Page 35-36, changed the fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-4.02	Fee: \$500,000 \$100,000 Contract Output Completion Criteria: Complete UNF Preps for HFIR readiness with the exception of the L-Area DSA, OSA-7 and the new cask insert (if required) which are dependent on funding and staffing. Submit SRNS approved DSA, DCA, NCSE, NSDS, and 302 Manual documents to support HFIR onsite shipment activities and perform modifications to cask CD3 for insert fit-up. Acceptance Criteria: DOE-SR will review the HFIR planning preps were completed with the exception of the L-Area DSA, OSA-7 and new cask insert (if required): and validate completion of the SRNS approved DSA, DCA, NCSE, NSDS

			and 302 Manual (prepared in accordance with DOE-STD-3007-2007, applicable ANSI/ANS standards and 10 CFR 830) and review cask modification work packages.
3	4/xx/14	Page 36, changed the fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-4.03	Fee: \$500,000 \$400,000  Contract Output Completion Criteria: Complete the vacuuming removal for removal of "cob webs" from the top of the fuel bundles from the basin and resurvey the basin per G-ESR-L-00014.  Acceptance Criteria: DOE-SR will observe the basin vacuuming activities or observe the basin following the completion of eorrective actions to remove the "cob webs" from the top of the fuel and review SRNS G-ESR-L-00014.
3	4/xx/14	Page 36, changed the fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-4.04	Fee: \$500,000 \$250,000 Contract Output Completion Criteria: Complete NRU/NRX interim schedule milestone. Complete the Startup turnover of the Unloading Station to Operations. Acceptance Criteria: DOE-SR will validate that the activity STR114 is complete by review of the completed work package(s). Startup testing is dependent on AECL delivery of components required during testing (IP-2 Container, 3 different basket types, caddies, dummies, etc.) represented by ID#AECL002. NRU/NRX interim milestone was completed on schedule.
3	4/xx/14	Page 36, added milestone SRNS2014EMO-4.05	Number: SRNS2014EMO-4.05  Date: 7/31/14  Fee: \$200,000  Contract Output Completion Criteria: Submit SRNS approved Basin Mod DSA/TSR.  Acceptance Criteria: DOE-SR will review the SRNS approved DSA and TSR and validate that the changes necessary to perform Basin Mods have been incorporated into the documents (developed in accordance with DOE G 421.1-2 and 421.1-1).
3	4/xx/14	Page 36, added milestone SRNS2014EMO-4.06	Number: SRNS2014EMO-4,06 Date: 9/30/14 Fee: \$250,000 Contract Output Completion Criteria: D&R the STS system in support of the basin modification project. Acceptance Criteria: DOE-SR will validate that D&R of the STS system has been field complete by review of completed work packages and with walk-throughs.
3	4/xx/14	Page 36, added milestone SRNS2014EMO-4.07	Number: SRNS2014EMO-4.07  Date: 9/30/14  Fee: \$250,000  Contract Output Completion Criteria: Galvanic Corrosion—Complete galvanic isolation of at least one bucket.  Acceptance Criteria: DOE-SR will validate that galvanic isolation field work was completed on at least one bucket in support of the AMCAP program by review of completed work packages and with walk-throughs.
3	4/xx/14	Page 37, added milestone SRNS2014EMO-4.08	Number: SRNS2014EMO-4.08  Date: 9/30/14  Fee: \$50,000  Contract Output Completion Criteria: Perform initial material characterization tests (compression, microstructure, pH, chemical, microscopic) on designated concrete samples from C Basin and review preliminary results with AMCAP Independent Review Committee (IRC).  Acceptance Criteria: DOE-SR will validate that the AMCAP

			IRC has reviewed and approved the ranking and prioritization results produced by the AMCAP Team.
	1		Number: SRNS2014EMO-4.09
			Date: 9/30/14
		Seen reside totals or again	Fee: \$100,000
3	4/xx/14	Page 37, added milestone	Contract Output Completion Criteria:
,	3/33/14	SRNS2014EMO-4.09	SRNS to remove debris, failed equipment and/or items
			preventing retrieval of the foil press and shear from the Basin.
			Acceptance Criteria: DOE-SR will validate that the items have
	1		been removed from the Basin/Facility by visual examination.
			Number: SRNS2014EMO-4.10 Date: 9/30/14
	4		Fee: \$50,000
			Contract Output Completion Criteria:
	20275 - 570920	Page 37, added milestone	Complete ranking and prioritization of isolated and non-AL
3	4/xx/14	SRNS2014EMO-4.10	failed fuel containers based on vulnerability for extended wet
	1	SKN32014EWIO-4.10	storage as approved by the AMCAP IRC.
			Acceptance Criteria: DOE-SR will validate that the AMCAP
			IRC has reviewed and approved the ranking and prioritization
	1		results produced by the AMCAP Team.
		Page 61, deleted Senior level	Senior level supervisor/division manager
3	4/xx/14	supervisor/division manager for	Nick Delaplane
	STANSBURY SECOND	SRNS2014LS.	\$100 C \$1
			Contract Output: The Contractor shall meet all SRNS agreed
			upon scheduled milestones to plan & execute development of
	1	1	SRS Sustainability initiatives and High Performance
			Sustainable Buildings (HPSB) program objectives to meet
	1	Page 61, deleted Contract Output & Description/Background for milestone SRNS2014LS-1.01 a, b, and c	scheduled-site-sustainability-goals.
			Description/Background:
	1		DOE-has approved a Complex-wide Strategic Sustainability
2	11 11 1		Performance Plan. This plan addresses such topics a
3	4/xx/14		greenhouse gas emission reductions, High Performance
			Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to
	1	l .	make progress toward goals established for 2015 and 2020. Th
		1	benchmark for the HPSB 15% reduction is defined in Executiv
			Order (E.O.) 13514 section 2(g).
			Up to \$100,000 of the allocated fee will be paid for this
	1		Contract Output.
			Number: SRNS2014LS-1-01
			Date: 12/31/13, 1/31/14, 9/30/14
			Fee: \$100,000 fee is earned by meeting all milestones.
			Contract Output Completion Criteria:
			a. Develop the FY14 Site Sustainability Plan for the
			Savannah River Site in accordance with the DOE-HQ
			annual guidance document by 12/31/13.
			b. Prepare the SRS Consolidated Energy Data Report
		Page 61-62, deleted milestone SRNS2014LS-1.01 a, b, and c	(CEDR) in accordance with annual DOE-HQ guidance
•	47 714		documentation by 1/31/14.
3	4/XX/14		c. Continue development of High Performance Sustainable
			Buildings (HPSB) Program objectives by completing the
			following activities:  - Conduct lighting-specific walkdowns of facilities, to
			determine how to comply with the automated lighting
			controls objective associated required by the HPSB
			Guiding Principles and develop layouts summarizing
			how compliance will be achieved. Determine FY15
			funding requirement to complete objective.
			Complete metering objective by installation of meter

			facilities in HPSB scope.  Update EPA Portfolio Manager database as needed to show status of HPSB objectives for all buildings  Acceptance Criteria:  DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:  a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agencywide Strategic Sustainability Performance Plan.  b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE-HQ for use in DOE agency-wide data collection.  c. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.
3	4/xx/14	Page 65, added milestone SRNS2014LS-4.03	Number: SRNS2014LS-01 Date: 9/30/14 Fee: \$100,000 Contract Output Completion Criteria: For Site Services, demonstrate a rigorous process is in place and utilized for the execution of preventive maintenance (PM) field work. To maximize efficiency and effectiveness of the PM process, establish a central support services work planning process and develop and initiate implementation of an integrated schedule for PM execution that is in alignment with operating mission needs. Acceptance Criteria: DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:  - Assess the planning center effectiveness through review and validation of planning center effectiveness metrics Evaluate the integrated schedule effectiveness via schedule completion metrics.

### 1. Purpose

This document serves as the Performance Evaluation Measurement Plan (PEMP) for fiscal year 2014 as identified in Section H-28, *Performance Based Incentives*, of Contract No. DE-AC09-08SR22470 between the U.S. Department of Energy (DOE) Environmental Management (EM) Savannah River (SR) and Savannah River Nuclear Solutions (SRNS) LLC, approved January 10, 2008.

Incentives are developed annually by DOE and SRNS to support mission strategies for the fiscal year and measure all work performed by the contractor during the evaluation period. The SRNS contract is a performance based contract for the management of a DOE facility governed by the provisions of FAR 17.6 and DEAR 917.6. It is a cost-reimbursement contract with provisions for a general performance fee and performance incentives as provided for in the clause in Section I entitled, DEAR 970.5215-1 Total Available Fee: Base Fee Amount and Performance Fee Amount.

The PEMP addresses development of the Performance Incentive Document (PID). This includes administration of performance measures at the contract level for total available fee defined in the contract, Section B, Supplies or Services and Prices/Costs. Incentives are approved only when funding is authorized for fee-bearing work.

National Nuclear Security Administration (NNSA) and EM incentives established under the contract are contained in the PEMP as attachments. The PEMP, incentive documents and revisions become part of the contract through contract modification.

NNSA works with DOE-SR to develop incentives for the site. Development, review and approval of incentives, and revisions, are managed through the program Head Contracting Activity; NNSA incentives are approved by the NNSA Program Administrator. The approved NNSA incentives are included as Attachment E.

#### 2. PEMP Integrated Project Team (IPT)

An Integrated Project Team (IPT) has been established in accordance with DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets. The team's charter defines specific roles and responsibilities of the IPT. IPT roles and responsibilities are further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan. Reference Attachment A, Integrated Project Team (IPT) Charter.

#### 3. The PEMP Process

The PEMP process for SRNS is based on fiscal year performance as identified in the contract. The PEMP process is further defined in Savannah River Implementing Procedure (SRIP) 412.1, *Performance Evaluation and Measurement Plan*.

## 3.1 Incorporating DOE, EM and Site Mission

The Savannah River Site publishes a Strategic Plan in support of DOE-EM and NNSA missions. The Strategic Plan articulates site vision and missions to successfully execute current missions, including sustainability and revitalization of site assets.

During the past several years federal and contractor staff worked together to define performance measures for strategies in order to develop performance statements, metrics and milestones. As a result of this effort, EM, NNSA and site missions are tied to the contract statement of work.

Functional areas of the contract Statement of Work identify mission-critical outcomes. Outputs and measures define how work is performed in order to meet the outcomes. This framework is used to develop criteria in the Performance Incentive Document (PID).

## 3.2 Performance Planning and modifications

The PEMP is developed with federal and contractor staff input. Both federal and contractor parties strive to reach mutual agreement on expected business, operational and technical performance and work together to develop incentives, descriptions and associated measures tied to contract level objectives, DOE strategic goals and program objectives. Incentives and their associated fee demonstrate direct flow down of DOE strategic goals and priorities.

EM and NNSA headquarters contracting authorities review and approve the PEMP and any change to an incentive's total amount of available fee. The Contracting Officer (CO) reserves the right to make unilateral decisions on all performance objectives and incentives (including the associated measures and targets) used to evaluate contractor performance, including any modifications.

The contract fee is split between EM and NNSA and the ratio is approximately a 55/45 split, making the EM fee \$25M annually. This EM fee amount is then further subdivided to each PBS based on funding, complexity and risk. EM Headquarters has given the DOE-SR Contracting Officer authority to manage contract fee, up to \$25M, thus any subsequent PEMP changes that occur at the PBS level are managed and approved by the DOE-SR CO.

The PEMP is developed and approved prior to the beginning of each evaluation period. Only the CO can change the PEMP. No changes will occur to the PEMP in the last 60 days of the evaluation period, unless with bilateral agreement between the CO and the contractor.

#### 3.3 Risk Management

DOE site management uses an integrated risk management process for the EM life cycle. This process provides programmatic risk analyses of work, establishes a process for identification and management of risks and integrates risk data from prime contractors, including SRNS.

The SRS integrated approach to risk management ensures project teams and management are involved in risk identification, grading, handling, impact determination, and integration. The process concludes with preparation of the Risk & Opportunity Analysis Reports (ROAR) and contingency estimates contained in the DOE-SR Federal Risk Management Plan (FRMP) [SRS Risk Summary and Integrated Contingency Analysis]. Each project ROAR provides a summary description of the integrated approach employed in the development of a project risk plan.

An assessment process is used to identify risks and opportunities associated with each project. The risks and opportunities are analyzed and strategies developed to ensure risks are managed to acceptable levels and opportunities are identified to improve the probability of successful completion of the project work scope. A detailed description of the methodology employed for the risk and opportunity assessment conducted by each of the Integrated Project Risk Teams appears in *Manual E11*, *Procedure 2.62 Project Risk and Opportunity Analysis*.

### 3.4 Performance Incentive Document (PID)

A Fee Allocation Model is developed by the IPT and is illustrated in Attachment B. It is used to illustrate distribution of fee based on weighting of funding, priority and complexity.

The PID is used to measure site level incentive outcomes and acceptance documentation. A PID includes: A Performance Outcome statement, Contract Output performance statements, metrics, Completion Criteria, and Acceptance (documentation) Criteria. The PID is further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan.

#### 3.5 Other Incentives

Incentives negotiated as a result of the cost reduction process per SRNS-RP-2009-01188, *SRNS Continuous Improvement System Implementation* will be managed per SRNS Contract clause I.42, DEAR 970.5215-4, Cost Reduction, in conjunction with the SRNS Continuous Improvement Process.

The CO may mutually negotiate with the contractor additional available fee for additional work not covered by the available budget. The funds for such work and the associated available fee are funded through the contractor's efficiencies in accomplishing the

otherwise funded work. The additional work must be performed in a safe manner meeting all necessary requirements; and the performance of the additional work cannot affect the safe, proper performance of the otherwise funded work. Any additional work will be authorized in accordance with provision in the contract entitled, *Work Authorization System* and is considered above base scope. This additional work falls under the management of DOE O 412.1A, *Work Authorization System*.

Incentives created as a result of implementing the above contract clause and/or directive will be managed per separate contract requirements, and authorized through contract modification.

# 4. Change Control

Performance incentives and fee allocation will not be changed unless there is a significant impact by a change to the scope of the contract, baseline or funding as directed by the government or government delay affecting the contractor's ability to achieve the stated performance incentives and measures in the PEMP. Any changes are subject to DEAR 970.5243-1, Changes, as provided in the contract and must be approved by the CO and Fee Determining Official (FDO).

- 1. All proposed changes to a PID will be discussed at scheduled Award-Fee Board I/IPT meetings.
- 2. Following Fee Board/IPT discussion, the contractor will submit formal correspondence to the CO requesting the proposed change to the PID. The correspondence should include:
  - a. Any proposed change to the original incentive document
  - b. Proposed new incentives tied to the current Contract Performance Baseline (CPB)
  - c. Proposed fee allocation adjustment between current incentives and/or new incentives
  - d. Elimination of current incentives
- 3. Upon receiving correspondence from the contractor, the CO will consult the appropriate Assistant Manager/Office Director (AM/OD) and Subject Matter Expert to determine:
  - a. If the proposed change impacts the CPB
  - b. If the proposed change identifies new and/or unfunded scope
  - c. If the proposed change impacts multiple site organizations
- 4. If the proposed change *does not meet* any one of the above determinations, the CO will issue correspondence to the contractor approving such change to the PID that incorporates advice of the AM/OD and/or Subject Matter Expert.
- 5. If the proposed change *meets* any one of the above determinations, the CO will request the contractor develop and submit a Baseline Change Proposal (BCP) for review by the federal (site) configuration control board.
  - a. Following the recommendation of the federal configuration control board, the CO will issue correspondence to the contractor approving such change to the PID that incorporates the advice of the Fee Board.

<sup>&</sup>lt;sup>1</sup> Federal Acquisition Regulation (FAR) Subpart 16.401 requires an Award-Fee Board for conducting the award-fee evaluation.

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- 6. The CO will issue a modification to the contract for any change to currently approved PID.
- 7. The CO may deny any proposed changes to the PID.

Action directed by CO correspondence is considered to be within scope of work of the existing contract. If the contractor considers that carrying out direction may increase contract costs or delay any delivery, the contractor shall promptly notify the CO orally, confirming and explaining the notification in writing as soon as possible, but within no more than five (5) working days. Following oral notification and submission of the written notice of impacts, the Contractor shall await further direction from the CO prior to implementing the action.

## 5. Federal Oversight of Contractor Performance

Central to administration of the contract is assessment of contract performance. All federal employees performing assessments are expected to understand terms and conditions of the contract. In order to verify performance, a systematic process of assessment, analysis, documentation and feedback will be required. A range of assessment techniques from data/metric reviews and analysis, to review of self-assessments by the contractor, to formal multidisciplinary assessments will be employed. The assessments will be tailored based on the level of definition of the work requirements and complexity of the function.

Procedures for assessing contract performance are described in the SR Manual (SRM) 226.1.1D, Integrated Performance Assurance Manual. The intent of the oversight processes described in the manual is to assure contractor compliance with contract requirements, provide for timely identification and correction of deficient conditions, verify effectiveness of completed corrective actions, and pursue excellence through continued improvement. Additionally, the manual is intended to assist DOE in implementing the site contractor oversight system (a management framework of related processes to determine whether federal and contractor assurance programs are performing effectively and/or complying with DOE requirements).

The contractor oversight system is founded on an integrated safety management system (ISMS), emulating DOE P 450.4A, Safety Management System Policy. SRM 226.1.1D describes processes comprising the contractor oversight system, which enables DOE to: (1) clearly communicate requirements and expectations to contractors; (2) assess the quality, effectiveness, and efficiency of contractor assurance systems and resulting work products in complying with contract requirements; (3) effect continuous improvement in contractors' operations; and (4) enhance the effectiveness of DOE-SR oversight of contractor performance.

The contractor oversight system provides DOE site management information needed to make informed decisions regarding both contractor and DOE performance and to determine whether program corrections are necessary. Communicating requirements and expectations to the contractor is an essential component in the contractor oversight system. Requirements and expectations are communicated through the Statement of Work, special clauses, contract modifications, and through technical direction by the CO or representative.

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SRM 226.1.1D provides detailed requirements for standardized scheduling, planning, conducting, reporting, and follow-up and closure activities for Type 1, 2, and 3 Assessments. Assessments are designed to provide managers with meaningful, accurate, and current information on the status of program compliance, productivity, and quality. Use of standardized assessment methods is a key feature of DOE site performance assurance.

#### 6. Performance Evaluation

The evaluation criteria of this plan are applicable at the contract level **and not** to individual projects or work objectives under the contract. As such, although this plan uses subjective evaluations to rate the contractor and determine the final amount of fee earned for overall contractor performance, objective measurements of contractor performance are included in the plan to support the FDO evaluation and articulate to the contractor what is expected to be achieved for program success during the evaluation period. The actual fee determination and the methodology for determining fee remain unilateral decisions made solely at the discretion of the Government, although the final fee determination is subject to the Disputes clause.

The contractor documents completion of incentives in the electronic Fee Invoicing System (FIS) and forwards documentation to the relevant DOE organization technical representative, who in turn will perform a verification of documentation to confirm output criterion has been met. This may also require an in-field validation. Validation of the work will be accepted, in accordance with the performance criteria, and documented in the DOE-SR STAR system and the FIS.

Upon verification, recommendation is forwarded through management to the Award-Fee Board. The Fee Board verifies documentation provided demonstrates satisfactory completion according to PID requirements through presentation by the AM/OD, including peer-level discussion. Fee recommendation to the FDO will be made according to the PID.

The contractor may perform self-assessment of their performance. The Fee Board will review any assessment provided by the contractor. If the Fee Board does not concur with the contractor's self-evaluation and recommendation, all such disagreements shall be expressed in a performance evaluation letter to the contractor. The contractor shall submit written comments and any supporting documentation to the Fee Board within five (5) working days of receiving the evaluation letter. Within ten (10) working days of receiving any contractor comments or reclama, the Fee Board shall provide the FDO a recommendation, including amount, rationale, and justification.

Disputes that occur during verification, and resolution is not forth coming between the contractor and the appropriate AM/OD, will be resolved by the Performance Fee Board during regularly scheduled meetings.

#### 7. Payment of Fee

Fee described herein is earned based upon the contractor's performance of the overall contract level requirement during the evaluation period. The contractor begins the evaluation period with 0% of the available fee and earns fee during the evaluation period. The potential for the

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contractor to earn 100% of the fee amount is a mutual goal as it demonstrates the program's objectives were clearly communicated and achievable.

The contractor requests provisional fee payment by submitting an invoice. Following verification by the relevant AM/OD a recommendation is forwarded to the Award-Fee Board and FDO. The FDO determines fee payment, following Award-Fee Board review and recommendation.

Determination of fee earned is the unilateral decision of the FDO.

The contractor will be advised in writing of the amount and basis of the performance incentive fee determination. Performance incentive fee not earned during the performance period will not be allocated to future performance periods. However, fee may be allocated to new performance-based incentives as developed by the IPT, as long as the completion of the newly developed incentive does not extend beyond the evaluation period.

Fee is considered provisional throughout the performance period. The FDO unilaterally determines the total fee awarded to the contractor. Fee may be reduced per contract Section B.9, DEAR 970.5215-3 Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (JAN 2004) ALTERNATE II [JAN 2004] [DEVIATION].

Contract clause H-33, PROVISIONAL PAYMENT OF INCENTIVE FEE, allows provisional payment of fee for partial completion of subjectively evaluated [subjective] incentives. The contractor may request up to 50% of the total fee available for each subjective incentive. If requests are monthly, the contractor must use a 1/12 divisor; if requests are quarterly, then 1/4 divisor; if semi-annual, then 1/2 divisor. Provisional fee is not considered earned fee, and is contingent upon a final fee determination by the FDO.

Total available fee amount earned payments are made by direct payment or withdrawn from funds advanced or available under the contract, as determined by the CO. The CO may offset against any such fee payment the amounts owed to the government by the contractor, including any amounts owed for disallowed costs under the contract. No base fee amount, or total available fee amount, payment may be withdrawn against the cleared payments financing arrangement without the prior written approval of the CO.

The contractor has developed an automated FIS that uses measurement data from each PID. The contractor works with DOE to identify appropriate DOE approvers. The system assigns responsibility to each output so that the routing process ensures appropriate review by federal and contractor staff. Time limits are assigned to each step to ensure smooth processing and timely approvals. The system notifies responsible approvers when the review / approval allotted time has been exceeded.

## 8. Government Furnished Services/Items (GFS/I)

GFS/I are factored into the final fee determination for this incentive contract. GFS/I are identified in the Basis of Estimates (BOE) found in WBS dictionaries for specific tasks. The purpose of the GFS/I are to identify inherent government responsibilities that may pose some level of risk to the contractor in completing incentives. GFS/I are the burden of the government,

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mutually accepted as part of the performance agreement. If the Government fails to achieve GFS/I equitable adjustment may be made specific to the incentive. These adjustments, however, cannot exceed the maximum available fee for the specific incentive.

# 9. Reporting Requirements

The contract requires each report must be accompanied by a letter or other document which:

- Identifies the contract number under which the item is being delivered; and
- Identifies the contract requirement or other instruction which requires the delivered item(s).

The contractor is responsible for maintaining all records and controlled documents related to the PEMP per DOE O 200.1A, *Information Management Program*, and DOE Order 243.1, *Records Management Program*.

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# Attachment A, Integrated Project Team (IPT) Charter

# INTEGRATED PROJECT TEAM (IPT) CHARTER

**IPT NAME:** PEMP Integrated Project Team (IPT)

**LEVEL OF IPT:** Savannah River Operations Office, Deputy Manager

## **IPT MISSION/OBJECTIVES**

The IPT provides site senior federal management a process for evaluating and measuring performance tied to strategic goals. This charter defines roles, responsibilities, authorities and accountabilities for this process. The mission of the IPT is to enable performance and help avoid potential barriers to success.

The Deputy Manager is the DOE-SR Executive Sponsor of the IPT and Fee Board Lead. The IPT is comprised of federal and contractor employees. Federal members include the CO, Performance Incentive Managers, Technical Leads, NNSA SRSO Manager and NNSA NA-262. Contractor members include Management and Operations (M&O) Vice President for Business Services, SRNS Director of Contracts, and Technical Leads. The IPT is augmented as necessary with Subject Matter Experts and matrix support personnel (both federal and contractor) who possess specific competencies, skills and expertise required for successful execution of projects.

The CO has authority to make final decisions on all performance objectives and incentives (including associated measures and targets) used to evaluate Contractor performance, in accordance with the Contract, Section H-28 (b). The DOE-SR Site Manager is an ex officio member of the IPT. The Site Manager is the FDO.

## SCOPE OF IPT RESPONSIBILITIES

## IPT Executive Sponsor/ Fee Board Lead

The IPT Executive Sponsor also serves as the senior federal member of the Fee Board. The IPT Executive Sponsor is the federal official responsible for project success. In accordance with DOE O 413.3B, the IPT Executive Sponsor is responsible for the following:

- Charter and lead the IPT
- Schedule and hold IPT meetings
- Request support from DOE functional resources as required to resolve issues
- Lead Fee Board assessment and discussion of contractor performance
- Identify and resolve critical issues

#### IPT Members

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IPT members are responsible for supporting the Executive Sponsor with technical and project management responsibilities during project execution. Members conduct and/or coordinate activities for their respective organizational element or functional area of responsibility. IPT members are responsible for the following:

- Ensure interfaces are identified, defined, and documented
- Review and assess performance and project status against parameters, baselines, milestones, and deliverables
- Support the IPT Executive Sponsor
- Review and comment on deliverables

The names of IPT members listed below are current as of the issue date of this charter. Names or functional responsibilities may change at the discretion of the IPT Executive Sponsor without having to modify or update this charter. The Table identifies IPT members, Fee Board members, and Technical Leads.

#### Award-Fee Board Organization

The Fee Board is a subset of the IPT. The Fee Board is comprised of federal IPT members. Fee Board members discuss proposed revisions to PID and incentive documentation, review supporting documentation for fee payment determination, and make recommendations to the FDO via the Fee Board Lead.

The Fee Board is responsible for assuring quality assessments have been completed for feebearing work, and that the assessment has been formally documented per site directives before recommending payment of fee to the FDO.

## Fee Board Rules of Conduct

## Call to Order:

The IPT Executive Sponsor, acting as Fee Board Lead, will call the Fee Board portion of the meeting to order following dismissal of all non-federal IPT members.

#### Fee Board presentation:

The Fee Board Lead will open the floor for federal staff to discuss IPT presentations regarding matters such as proposed revisions to PID, supporting documentation for fee payments, or general discussion of performance. The Performance Incentive Manager leads the presentation related to his/her PID. Other Fee Board members may discuss the presentation and make recommendations to the Performance Incentive Manager.

#### Fee Board determinations:

Following Fee Board presentations, or if there are none, the Fee Board Lead will lead an informal review and discussion of completed fee-bearing work that is being considered for invoicing, including supporting documentation for fee payment determination. Performance Incentive Managers, or their designee, are responsible for discussing completion documentation and evaluation of performance of the fee-bearing work.

Following discussion, Fee Board members make a motion to:

- Accept the recommendation of the Performance Incentive Manager for the incentive as described in the invoice;
- Accept the recommendation of the Performance Incentive Manager, but request additional documentation be added to document satisfactory completion of the incentive as described in the invoice;
- Require additional documentation in order to recommend a determination.
- Require federal manager attend next scheduled Fee Board to discuss adequate documentation in order to recommend a determination.

Fee Board members may support, or second, the motion and provide discussion. No quorum is required for the Fee Board meeting. The Fee Board Lead, observing no objections, shall accept the motion with Manager NNSA SRSO, or designee, concurrence.

NAME	FUNCTION	ORGANIZATION		
MOODY, Dave	IPT Member [ex officio] DOE Fee Determining Official [FDO]	DOE-SR Site Manager		
SMITH, T. Zack SPEARS, Terrel, Acting  IPT Executive Sponsor/Co-Fee Board Lead		DOE-SR Deputy Manager		
HINTZE, Doug	IPT/Co-Fee Board Lead/Performance Incentive Manager	Assistant Manager for Mission Support (AMMS)		
MCGUIRE, Pat	IPT/ Performance Incentive Manager	Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)		
SPEARS, Terry	IPT /Performance Incentive Manager	Assistant Manager for Waste Disposition Project (AMWDP)		
ADAMS, Angelia	IPT/ Performance Incentive Manager	Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)(acting)		
HOOKER, Karen MCGUIRE, Pat	IPT/ Performance Incentive Manager	Director, Office of Laboratory Oversight (OLO)		
DEAROLPH, Douglas	IPT/Fee Board Member/Performance Incentive Manager	Manager NNSA SRSO		

CLARK, William	IPT/ Performance Incentive Manager	Manager NNSA NA-262
LOVETT, James	IPT Member [ex officio] Fee Board Member	Contracting Officer M&O Contract
DAVIS, Peggy	IPT Member	Vice President SRNS Support Services
TEMPLE, John	IPT Member	Director SRNS Contracts Management
CHRISTIAN, John	DOE IPT Technical Lead	Program Analyst for Mission Planning Division
PENNINGTON, Michele GREGORY, Johnna	SRNS IPT Technical Lead	SRNS Contracts Management

#### Attachment B, Fee Allocation Model

#### **Funding Assumptions for Fee Allocation**

Funding for fiscal year 2014 represents targets SRNS will use in the FY14-18 Baseline Update, with DOE-SR concurrence. These funding targets reflect a "reasonable" program that is regulatory compliant. Any changes to these funding targets will require analyses to determine impacts at the Contract Output level.

## Fee Allocation (based on current funding assumptions)

Funding comes from EM Project Baseline Summaries (PBS) and NNSA funds. Funds are divided into two categories: contract scope cost is directly funded (direct). Scope cost for support activities funded indirectly by placing a tax on individual funds. See table below for FY14 estimated funding:

Est. Funding	Funding Source:
\$254,992,000	PBS 11C
43,130,000	PBS 12
50,137,000	PBS 13
51,809,000	PBS 30
23,339,000	PBS 20 (EM Safeguards & Security)
\$423,407,000	Total EM Funding
\$ <b>423,407,000</b> 101,528,000	Total EM Funding Nuclear Nonproliferation Funding
101,528,000	Nuclear Nonproliferation Funding

The M&O contract identifies \$46,535,000 available fee for the contract period (October 2013 through September 2014). When the fee is subtracted from the Total Projected Funding, the fee base in entire fiscal year 2014 becomes \$730,728,000.

For fiscal year 2014, EM provides 55 percent of the Total Projected Funding, while NNSA provides 45 percent. This percentage is used to allocate the contract fee between EM and NNSA. For fiscal year 2014, EM will manage \$25M of fee applied to incentive work for the evaluation period. NNSA will manage \$21M of fee applied to incentive work for the evaluation period.

Performance Incentive Documents in Attachment C (EM) and Attachment D (NNSA) were developed based on the current President's budget for fiscal year 2014, adjusted by DOE-SR. Work described is based on the current contract. Actual performance of contract outputs may be revised based on an approved fiscal year budget, continuing resolution, program execution

guidance, and/or available funding. All work is performed within existing financial agreements and authorization.

EM Fee is distributed based on the projected funding as indicated below:

PBS	President's Budget	Fee Distribution	
PBS 11C	\$254,992,000	\$15,267,000	
PBS 12	\$43,130,000	\$2,582,000	
PBS 13	\$50,137,000	\$3,002,000	
PBS 30	\$51,809,000	\$3,102,000	
PBS 20	\$23,339,000	\$1,397,000	
EM Funding / Fee	\$423,407,000	\$25,350,000	

The following is the DOE-SR EM suggested incentives summary by program for the fiscal year 2014 performance period:

Program	Objective	Subjective	Total
Nuclear Material Stabilization (AMNMSP)	\$8,800,000		\$8,800,000
Environmental Stewardship (AMIES)	\$3,490,000		\$3,490,000
Waste Disposition (AMWPD)	\$1,800,000		\$1,800,000
Landlord Services (Includes: SRNL, Planning, Infrastructure, Landlord Services, Safety, Safeguards & Security, ESSH)	\$6,260,000	\$5,000,000	\$11,260,000
Total	\$20,350,000	\$5,000,000	\$25,350,000

# Attachment C, EM Performance Incentive Documents for fiscal year 2014



# Performance Incentive Document

PID Number: SRNS2014EMO		
Activity Name: Environmental Mar		anagement Operations
WBS Number: 1.29.20.04, 1.29.20		0.05
Performance Period: October 1, 2013 -		September 30, 2014
Allocated Fee: \$8,800,000		
Revision Number: 42		
Senior level manager/P Manager:	erformance Incentive	Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)
Senior technical adviso	r'	Allen Gunter

#### **Contract Performance Outcome:**

Receive, store, ship, and disposition nuclear materials in a safe, and secure manner. Operate and maintain the H Canyon Complex to support disposition of nuclear materials. Receive Foreign Research Reactor (FRR) and Domestic Research Reactor (DRR) used nuclear fuel (UNF) in L Basin in coordination with the NNSA Nuclear Nonproliferation Program and other applicable DOE programs. Expand KAC capacity with construction of the Final Storage Vault and expand capabilities with implementation of planning activities for WIPP blending while maintaining DOE-STD-3013 DE surveillances. Implement risk reduction actions at 235-F and reduce F-Area costs.

#### Contract Output SRNS2014EMO-01:

Receive, characterize, and disposition materials in H-Area.

#### Description/Background/Justification:

Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include:

maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials.

# Up to \$3,900,000 \$4,300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.01	9/30/14	\$200,000	Ship one LEU trailer to Areva for TVA contract.

#### Acceptance Criteria

DOE-SR will validate the LEU shipment via the MC&A Form 741 transfer documentation for the one LEU shipment. GFSI: Vendor must be ready to receive trailers by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.02	6/30/14 9/12/14 9/30/14	a.\$300,000 b.\$200,000	<ul> <li>a. Complete SRE charging and dissolution.</li> <li>b. Transfer 2 dissolver batches of SRE to a sSludge bBatch 9.</li> </ul>

#### Acceptance Criteria

DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.03	9/30/14	\$500,000 \$250,000; \$125,000 fee paid 1 <sup>st</sup> and 2 <sup>nd</sup> each quarters.	Charge two bundles of UNF or Pu to the H Canyon dissolver or probe the dissolver twice per shift crew per-in quarters 1 and 2 to maintain proficiency.

## Acceptance Criteria

DOE-SR will review H Canyon dissolver probing procedure 221-H-1987 or actual dissolver charging procedure to ensure a minimum of two actual UNF or Pu bundles or two dissolver probings were completed for each shift each quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.04	9/30/14	\$500,000; \$125,000	Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run, DCS Simulator Cold Run or actual hot ops to address
		fee paid each quarter.	equipment operability and maintain operator proficiency. (Due to Liquid Waste Min., only two 1 <sup>st</sup> Cycle and two 2 <sup>nd</sup> Cycle Cold Runs per year.

# Acceptance Criteria

DOE-SR will review the completed quarterly Cold Run Operations start-up and shut-down procedures and summary data sheets for the one cold run performed for that quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.05	9/30/14	\$100,000	Prepare and issue a revised H Canyon Resumption Plan each quarter.

#### Acceptance Criteria

DOE-SR will review the SRNS issued quarterly H Canyon Resumption Plan to ensure appropriate elements.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.06	9/30/14	\$500,000	Dissolve one batch of Pu (approximately 20 kgs).

DOE-SR will review dissolving procedures or MC&A signed data sheet.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014 EMO-1.07	3/31/14 4/30/14	a.\$150,000	a. Implement Waste Min. action to revise the sump flush program to track transfers.
	(a and b)	b.\$150,000	b. Implement Waste Min. action to recycle HB- Line column waste for use in 6.4D discontinue use of scrubber jumper on Hot Canyon neutralization tanks.
	(c, d and e)	c.\$150,000	c. Implement Develop Waste Min. action to improve neutralization formula for WAC implementation optimize recycle HB-Line column raffinate or use in 6.4D so it is ready to implement.
		d.\$150,000	d. Implement Waste Min. action to refine LAW operation and acid stripping process. process Replace reboiler vessel of Acid Recovery Unit
		e.\$150,000	e. Load two burial boxes with failed equipment from the warm canyon and ship to E Area.

# Acceptance Criteria

DOE-SR will review the implemented Liquid Waste Minimization actions by procedure or document review and ensure actions are consistent with the Nuclear Materials System Plan: a) Review Sump Flush procedures and confirm procedures are in accordance with the NCSE; b) Review of neutralization procedures; c) Review HB-Line Raffinate Reuse Evaluation; d) Walkdown and/or review construction work packages; e) Review characterization forms for loaded burial boxes.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.08	9/30/14	a.\$500,000 \$145,000	a. Complete HFIR planning preps Submit SRNS modified and approved OSA-7 and complete the analytical work to develop proposed HFIR Criticality Safety Limits associated with receipt and dissolving of HFIR material. with the exception of the H Canyon NCSE/DSA revision, flowsheet, hydrogen generation study, dissolver insert and storage rack design, fabrication, and installation that may not be completed if funding/staffing is limited.
	6/30/14 9/30/14	b.\$100,000 \$200,000	b. Perform evaluation of attractiveness level "C" Complete dissolving operations preps and initate MTR campaign by dissolving one UNF charge, material for H-Canyon dissolution.

	7/7/14	c. \$505,000		Complete ventilation tunnel inspection with crawler, reduced by \$25K for each week after 7/7/14. No fee after 9/1/14.
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DOE-SR will a) review the completed HFIR planning preps SRNS modified and approved OSA-7 for HFIR (prepared in accordance with 10 CFR 830 and DOE Order 460.1C) and HFIR Criticality Safety Limits (prepared in accordance with DOE-STD-3007-2007). the completed evaluation of attractiveness level "C" UNF material. b) Verify the bundles have been dissolved as determined by probing (procedure review). c) Review video from crawler inspection or view real time and ensure accessible/desired areas were inspected.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	a. \$250,000	Complete Canadian Liquid unloading and piping
EMO-1.09	6/30/14		Design.
			a. SRNS submit the Canadian Liquid Receipts conceptual design package in support of a DOE-SR CD#1.
	9/30/14	b. \$100,000	b. SRNS submit revised and approved H-Canyon Double Contingency Analysis (DCA) to include Canadian Liquids.

#### Acceptance Criteria

DOE-SR will a) review Canadian HEU Liquid unloading and piping design documents. Liquid Receipts conceptual design package in support of a DOE-SR CD#1 (prepared in accordance with DOE Order 413.3; design requirements and inputs per SRNS-U1000-2014-00030, dated 2/11/14 and per guidance provided by letter from McGuire to Hunt/Girard dated 2/25/14). b) review SRNS approved, revised H Canyon DCA that includes Canadian Liquids (prepared in accordance with DOE-STD-3007-2007 and applicable ANSI/ANS standards).

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$150,000	Implement all actions needed to resume WIPP
EMO-1.10	9/30/14	\$300,000	blending. Complete PVV filter (5.7F) flush including procedure development for performing the flush, establishing piping routes, discard of the filter flush solution to LW and completion of the Unreviewed Safety Question Evaluation (USQE).

#### Acceptance Criteria

DOE-SR will review procedures and documents to verify ready to resume WIPP blending. DOE-SR will review the SRNS completed procedures and USQE documentation (prepared in accordance with 10 CFR Part 830 and DOE G 424.1-1).

## Contract Output SRNS2014EMO-02:

Receive, store, characterize and disposition surplus plutonium and uranium materials in K Area.

## Description/Background/Justification:

K Area will continue to perform surveillance of the DOE-STD-3013 containers in storage. K Area will continue to receive and store containers of surplus plutonium and uranium from off-site. K Area facilities will initiate the planning to allow disposition of surplus plutonium oxide for future transfer to WIPP. K Area will continue with construction of Final Storage Vault.

Up to \$2,000,000 \$1,550,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.01	9/30/14	\$500,000; \$125,000 paid quarterly.	Prepare, receive, and store containers of surplus plutonium and uranium from LANL in K Area in accordance with the schedule maintained by DOE-SR.

#### Acceptance Criteria

DOE-SR will review SOP-PHS-001-K to verify receipts to KAC or review operator and FLMs MSA qualifications to verify facility is ready to receive.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.02	9/30/14	\$225,000; \$25,000 per can, invoiced quarterly.	Complete 9 Destructive Evaluation (DE) Surveillances on DOE-STD-3013 Storage Containers.

#### Acceptance Criteria

DOE-SR will review K-Area Interim Surveillance Log Sheet (FRM-CSS-002-K or equivalent) and the Surveillance Program Authority (SPA) Data Set 1 parameters for the DE sample.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$100,000	K Area will submit to DOE the SRNS approved
EMO-2.03		3.5	DSA/TSR supporting Final Storage Vault (FSV).

#### Acceptance Criteria

DOE-SR will review the SRNS approved DSA/TSR supporting FSV FSV (prepared in accordance with 10 CFR 830).

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.04	8/31/14	\$250,000	Complete Final Storage Vault (FSV) project construction and ensure the project is progressing toward a 12/31/14 project completion date and within a \$27.2M base project TPC (\$11.5M FSV scope + \$15.7M original scope) as established in BCP SRNS13M0042 R1.

Acceptance Criteria

DOE-SK will review the completed 1.5 v construction project docum	-SR will review the completed FSV construction project	documents.
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Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$500,000	Complete Readiness Assessment on DSA Rev. 10/TSR Rev. 41 to expand K Area capabilities. In preparation for future Pu disposition operations in K-Area, qualify 1 additional FLM as a DE Handling Supervisor and 3 additional production operators as NDE or DE Handling Operators.
EMO-2.05	9/30/14	\$50,000	

DOE-SR will review FLM and operators qualifications to verify individual certifications. observe RA activities as desired and review the RA declaration of readiness.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.06	9/30/14	Carlot and the Carlot	K Area will perform Pu measurements on 20 different cans.

## Acceptance Criteria

DOE-SR will review the non-destructive analysis measurement form.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.07	9/30/14	\$125,000	Support IAEA Inventory Inspections.

#### Acceptance Criteria

DOE-SR will validate that KAC personnel provided adequate preparation and support during the IAEA Inventory inspections.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.08	9/30/14	\$100,000	Replace the Final Storage Vault roof at either the +34 (Final Storage Vault) or the +48 level depending on roofer's evaluation.

## Acceptance Criteria

DOE-SR will review the roofing subcontractors completion document or the 8Q-51 safety walkdown (OSR 20-22) completed by SRNS.

#### Contract Output SRNS2014EMO-03:

Reduce risks at 235-F and improve F-Area infrastructure.

## Description/Background/Justification:

This contract output supports innovative and cost effective means to implement the 235-F risk reduction Implementation Plan actions while reducing costs to the F-Area baseline.

Up to \$900,000 \$800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.01	3/30/14	\$100,000	Revise F-Canyon Complex Surveillance and Maintenance (S&M) Plan to allow transition to reduced S&M.

DOE-SR will review the revised SRNS approved F-Canyon Complex S&M Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 6/30/14 a. \$5 EMO-3.02	a. \$50,000	a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.	
	9/30/14	b. \$50,000 \$100,000	b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, issue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. SRNS is to perform the canyon ventilation test to validate the end state recommendations of using a single 292-F exhaust fan.

# Acceptance Criteria

DOE-SR will review the canyon ventilation test report. SRNS approved feasibility study for a single 292-F exhaust fan supported by a single 254-13F "SS" diesel generator and the design to support the implementation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.03	9/30/14	\$50,000	Determine the feasibility of stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.

# Acceptance Criteria

DOE-SR will review the SRNS approved water intrusion feasibility.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.04			Deleted in Rev 1.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.05	9/30/14	\$650,000; \$550,000; paid at completion of each action item as noted.	SRNS will complete the following 235-F Risk Reduction Actions and provide to DOE for review. approximately 30 days before the DOE IP commitment date as noted in the "Date" column: g. Deliver the Graded EP Drill Report (Action 3- 4). (\$50,000) h. Complete a Readiness Assessment for the Deactivation BIO and submit RA Report (Action 1-4). (\$100,000)

i. Complete removal, isolation, or encapsulation of Fixed Combustibles and provide a final report to DOE (Action 2a-3). (\$150,000)
j. Complete Electrical De-energization scope and provide a final report to DOE (Action2b-2). (\$150,000)
k. Complete installation and acceptance of the FDAS and provide a final report to DOE (Action 2c-3). (\$150,000) (\$200,000)
1. Complete planned cell infrastructure tasks and report completion (Action 1-3). (\$50,000)

DOE-SR will review the SRNS approved and completed 235-F IP actions.

## Contract Output SRNS2014EMO-04:

Receive, unload, and store Used Nuclear Fuel (UNF) in L Area.

# Description/Background/Justification:

L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmentinged Monitoring and Condition Assessment Program (AMCAP) support to maintain the facilities in a safe and operable condition.

Up to \$2,000,000 \$2,150,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.01	9/30/14	\$500,000; \$125,000 paid quarterly	Receive and unload FRR/DRR fuel per schedule.

#### Acceptance Criteria

DOE-SR will review Cask Data Sheets for casks received and unloaded against the Receipt and Unloading Schedule Agreement. During quarters that fuel is not received, documentation will be provided for review showing readiness to receive was maintained.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.02	9/30/14	\$500,000 \$100,000	Complete UNF Preps for HFIR readiness with the exception of the L-Area DSA, OSA-7 and the new eask insert (if required) which are dependent on funding and staffing. Submit SRNS approved DSA, DCA, NCSE, NSDS, and 302 Manual documents to support HFIR onsite shipment

Performance E	valuation and	Measurement Pla	n Re
	Í		activities and perform modifications to cask CD3
			for insert fit-up.
Acceptance	Criteria		
		HFIR plannin	ng preps were completed with the exception of the L-
			t (if required). and validate completion of the SRNS
			nd 302 Manual (prepared in accordance with DOE-
			S standards and 10 CFR 830) and review cask
modification			b standards and 10 Cr it 650) and review eask
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$500,000	Complete the vacuuming removal for removal of
EMO-4.03	0/30/11	\$400,000	"cob webs" from the top of the fuel bundles from
LIVIO-4.03		\$400,000	the basin and resurvey the basin per G-ESR-L-
			00014.
Aggortongo	Critorio	1	00014.
Acceptance		o bosin vess	ming activities or observe the basin following the
review SRNS			nove the "cob webs" from the top of the fuel and
Number		AND DESCRIPTION OF THE PARTY OF	CttO-ttCl-tiC-tr-i
7 1 11 11 11 11 11 11 11	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000	Complete NRU/NRX interim schedule milestone.
EMO-4.04		\$250,000	Complete the Startup turnover of the Unloading
			Station to Operations.
Acceptance			
			STR114 is complete by review of the completed work
			nt on AECL delivery of components required during
			ket types, caddies, dummies, etc.) represented by
ID#AECL00	2. NRU/NR	X interim mil	estone was completed on schedule.
	T		T2 / 12 / 12 / 12 / 12 / 12 / 12 / 12 /
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$200,000	Submit SRNS approved Basin Mod DSA/TSR.
EMO-4.05			
Acceptance	Criteria		
			ved DSA and TSR and validate that the changes
necessary to	perform Ba	sin Mods have	e been incorporated into the documents (developed in
accordance v	vith DOE G	421.1-2 and 4	21.1-1).
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	D&R the STS system in support of the basin
EMO-4.06		72.	modification project.
Acceptance	Criteria		
		at D&R of the	STS system has been field complete by review of
		es and with wa	
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Galvanic Corrosion – Complete galvanic isolation
EMO-4.07	2/30/14	\$250,000	of at least one bucket.
DIVIO-4.07			of at least one oucket.

DOE-SR will validate that galvanic isolation field work was completed on at least one bucket in support of the AMCAP program by review of completed work packages and with walk-throughs.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.08	9/30/14	\$50,000	Perform initial material characterization tests (compression, microstructure, pH, chemical, microscopic) on designated concrete samples from C Basin and review preliminary results with AMCAP Independent Review Committee (IRC).

## Acceptance Criteria

DOE-SR will validate that the AMCAP IRC has reviewed the preliminary test results produced by the AMCAP Team.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.09	9/30/14	\$100,000	SRNS to remove debris, failed equipment and/or items preventing retrieval of the foil press and shear from the Basin.

## Acceptance Criteria

DOE-SR will validate that the items have been removed from the Basin/Facility by visual examination.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.10	9/30/14	\$50,000	Complete ranking and prioritization of isolated and non-AL failed fuel containers based on vulnerability for extended wet storage as approved by the AMCAP IRC.

## Acceptance Criteria

DOE-SR will validate that the AMCAP IRC has reviewed and approved the ranking and prioritization results produced by the AMCAP Team.



# Performance Incentive Document

PID Number:	SRNS2014SW	
Activity Name:	Solid Waste	
WBS Number:	1.29.32.25	
Performance Period:	October 1, 2013 –	September 30, 2014
Allocated Fee:	\$1,800,000	
Revision Number: 0		
Senior level manager/Po Manager:	erformance Incentive	Terry Spears Assistant Manager for Waste Disposition Project (AMWDP)
Senior level supervisor/	division manager:	Jim Folk

#### **Contract Performance Outcome:**

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall ensure that the handling, treatment, storage, transportation and disposal of the remaining "legacy" and the newly generated solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

The Contractor shall manage and integrate site-wide solid waste recycling, treatment, storage, disposal and transportation activities and implement waste minimization/pollution prevention initiatives. The Contractor shall also provide on-site/off-site waste generators with technical support and verification of compliance with waste acceptance criteria, including Safety Basis and Performance Assessment objectives.

#### Contract Output: SRNS2014SW-01

There are two areas of primary focus taken from the Contract Performance Outcome: 1) ensure the transportation, handling, storage, and disposal of low level waste is environmentally sound, cost effective, and in compliance with DOE Directives, applicable regulations, and requirements; and 2) continued disposal of legacy TRU waste.

# Description/Background/Justification:

Timely disposal of LLW will facilitate waste generators' normal operations, prevent potential spread of contamination, ensure regulatory compliance, reduce the need for waste storage space, maximize labor resource utilization and reduce the overall cost of SRS waste management. DOE Order 435.1 drives the timely disposal of wastes generated at DOE sites. The ARRA program remediated and repackaged legacy TRU wastes into WIPP compliant packaging. This waste has been WIPP certified or was identified as LLW and is awaiting disposal. Disposal of the legacy TRU is also a high priority for the State of South Carolina.

Up to \$1,800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.01	9/30/14	\$800,000; \$200,000 per quarter	LLW will be disposed in a timely manner such that in-storage time will be < 3 months in duration.  Exceptions may be approved by DOE upon request.

#### **Acceptance Criteria**

DOE will perform validation by reviewing, on a quarterly basis, the time in storage for the LLW not permanently disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.02	6/30/14	\$400,000	TRU – Complete disposal of all legacy TRU packaged in SLB2s via TRUPACT-III shipments. Assumptions for this incentive include: 4 shipments per week; 6 week WIPP shipping outage and various non-shipping holidays during the period of performance.

#### **Acceptance Criteria**

DOE will perform validation by reviewing the remaining legacy TRU inventory and assuring that all of the SLB2s have been disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.03	9/30/14	\$500,000	Complete disposal of all legacy, contact handled, TRU waste at the WIPP Site. This includes all LLW and MLLW re-characterized from the TRU legacy program. This incentive assumes that DOE-
			CBFO will continue to fund characterization and shipping and provide adequate shipments. SRNS will work a 40 hour work week. Containers WMPSLB022C, WMPSLB018B, SR21524413, and SR21524414 are excluded.

## **Acceptance Criteria**

DOE will perform validation by reviewing Waste Inventory Tracking System (WITS) reports and documented legacy waste identified in the "Original Volume Tracking" Excel spreadsheet.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.04	9/30/14	\$100,000	A closure plan for TRU Pad 16 and modifications to the TRU Pad Volume of the Site RCRA Permit will be submitted to DOE-SR in support of submittal to SC-DHEC. The modifications will include reduction of prescriptive wording (e.g. requirement to be radiologically non-contaminated) and provide a sound technical rational for both the modifications and the closure plan.
Accentance	Critaria		

DOE will perform validation by accepting the closure plan and proposed permit modification.



# Performance Incentive Document

PID Number:	SRNS2014ACP	
Activity Name:	Area Completion	Project
WBS Number:	1.29.32.01, 1.29.3 1.29.32.06	2.02, 1.29.32.03, 1.29.32.04, 1.29.32.05,
Performance Period:	October 1, 2013 -	September 30, 2014
Allocated Fee:	\$3,490,000	
Revision Number:	0	
Senior level manager/F Manager:	Performance Incentive	Karen Guevara Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)

#### **Contract Performance Outcome:**

Meet all regulatory commitments, develop and implement alternative long range strategies, technologies and approaches in the refinement of the Area Completion Strategy and long-term stewardship.

## Contract Output SRNS2014ACP-01:

Meet all FFA Milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments due between October 1, 2013, and September 30, 2014, as described in the Federal Facility Agreement for the Savannah River Site (Administrative Document # 89-05-FF) and the SRS RCRA Part A & B Permits (SC 1890 008 089) to meet the Area Completion Strategy.

## Description/Background/Justification:

Full compliance with all Area Completion Project FFA milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments will allow SRS to meet regulatory requirements that will meet the Area Completion Strategy to clean up the SRS and reduce the Site footprint. Establishing regulatory commitments and milestones is the most direct way for the regulators and stakeholders to measure the progress of DOE EM cleanup activities at SRS. The regulatory and stakeholder support of the SRS depends on continued full regulatory compliance and achievement of commitments and milestones.

Up to \$2,500,000 of the allocated fee will be paid for this Contract Output.
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Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.01			milestones are achieved from October 1, 2013,
			through March 31, 2014.

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.02			milestones are achieved from April 1, 2014,
			through September 30, 2014.

#### **Acceptance Criteria**

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

#### Contract Output: SRNS2014ACP-02:

Evaluate additional EC & ACP groundwater sampling and reporting activities to identify opportunities to reduce costs within PBS-30 and ESS.

#### Description/Background/Justification:

In FY 2012, DOE-SR incentivized the development of a comprehensive Groundwater Monitoring and Reporting Optimization Plan and Report (SRNS2012ACP-02) that identified opportunities for optimization of monitoring networks and reductions in the long-term costs of groundwater monitoring at units where mature and established groundwater programs were underway. In 2013, DOE incentivized SRNS to negotiate and implement optimization activities consistent with the plan (SRNS2013 ES-12.01 and 12.02).

This Phase II proposal is to develop a similar Groundwater Monitoring and Report Optimization Plan that will focus on the remaining groundwater units that were not included in Phase 1 because they did not have a mature established monitoring program under RCRA/CERCLA or because they are associated with regulatory programs other than RCRA and CERCLA, such as Underground Storage Tanks, Landfills and the Clean Water Act.

# Up to \$500,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.01	2/28/14	\$250,000	Prepare and provide to DOE ACP a Groundwater Optimization Plan by 2/28/14.

#### Acceptance Criteria

SRNS –EC & ACP will provide a Phase II Groundwater Monitoring and Reporting Optimization Plan that will provide for identification and documentation of opportunities for groundwater optimization of monitoring networks/reporting and reductions in the long-term costs of groundwater monitoring for groundwater units, that was not included in the Phase I Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Prepare and provide to DOE ACP a report
ACP-2.02			documenting the groundwater monitoring and
			reporting optimization opportunities.

## **Acceptance Criteria**

SRNS will provide a report outlining the results of the groundwater monitoring evaluation to DOE and DOE will approve. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

## Contract Output SRNS2014ACP-03 (Deferred from FY 13):

Automate environmental field and analytical data to automatically generate routine reports and improve reporting capability. Program and deploy electronic field devices to replace the use of paper logbooks to improve quality of field data collection. Program data collection system to automatically generate routine reports to improve speed and overall accuracy of data reporting.

## Description/Background/Justification:

DOE SR is obligated to collect, manage, maintain and report environmental data to meet requirements of DOE Orders and environmental regulations and statutes, including DOE Order 458.1, Radiation Protection of the Public and Environment and RCRA, CAA, CWA, and CERCLA.

The Environmental Restoration Data Management System (ERDMS) is used to manage environmental monitoring data. This system requires extensive manual data review and tracking of data generating reports of varying quality. Also, field monitoring results are collected in paper logbooks and collection accuracy is highly dependent on minimizing human error. Routine reports are generated with a high level of human involvement.

## Up to \$390,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$150,000	Program and deploy handheld devices to transfer
ACP-3.01			monitoring data directly into ERDMS.

#### **Acceptance Criteria**

EC & ACP will demonstrate and will document the use and effectiveness of electronic handheld devices to collect field information and data transfer into ERDMS vs. the use of paper field logbooks for effluent monitoring and environmental surveillance programs.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$240,000	Modify ERDMS to automatically generate routine
ACP-3.02			monitoring reports.

## Acceptance Criteria

EC & ACP will demonstrate and document the development and implementation of program to generate automated environmental reports, such as the Monthly Discharge Monitoring Reports, the Monthly Radiological Releases Reports, the Wildlife Hunt Reports, and the Weekly and the Quarterly Tritium Reports by reviewing the reports for completeness, accuracy and compliance with reporting deadlines.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

## **Contract Output SRNS2014ACP-04:**

Complete characterization of Building 690-N to support future Deactivation and Decommissioning.

## Description/Background/Justification:

Building 690-N (Ford Building) is a high risk facility with significant radiological and PCB contamination. The facility is deteriorating and requires frequent maintenance to mitigate the spread of existing contamination. A Decommissioning Plan was completed and submitted to DOE in FY 13 (Contract Output SRNS2013ES-16.01) that included recommendations for characterization to quantify the nature and extent of contamination and condition to support future D&D of the facility.

The Ford Building is a steel frame/siding structure constructed in the early 1950s to test motor control packages for the R, P, L, K and C Reactors. In the 1960s, the structure was modified to support the repair and rework of Reactor heat exchangers. Key facilities and/or structures associated with 690-N include:

- 652-44N electrical substation and fuel oil containment dike (provided electricity and fuel oil for heating to the building),
- Deionizer trailer (used to remove radiological contaminates from Reactor disassembly basin water), and
- Transport trailer (utilized to haul heavy loads between Reactor areas and stored adjacent to the 690-N Building).

PCB-contaminated oils were used in milling/lathe operations for heat exchanger repair in 690-N (Ford Building). In 1997, these PCB-contaminated oils were found to have contaminated equipment and the floor in the building. An initial clean-up was performed and the residual contamination was encapsulated with a floor coating in 1998. Inspections conducted since 1998 continue to reveal areas where PCB-contaminated oil has migrated up through the floor coating, necessitating regular maintenance and reapplication of the coating material. The extent of PCB contamination below the 690-N Building is undetermined. The Deionizer trailer is not thoroughly characterized, but is assumed to contain lead and high levels of radiological contamination based on the conditions of trailers used for similar purposes at the SRS.

#### Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-4.01	8/31/2014	\$100,000	Complete characterization of the 690-N Ford Building and its ancillary equipment and facilities (652-44N, Deionizer and Transport Trailers).

## **Acceptance Criteria**

EC & ACP will complete and document characterization completion of Building 690-N and its ancillary equipment and facilities. The result are needed to support future deactivation and decommissioning and removal/remedial action(s)

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.



# Performance Incentive Document

PID Number:	SRNS2014SRNL		
Activity Name:	Savannah River National Laboratory (SRNL)		
WBS Number:	Numerous		
Performance Period:	October 1, 2013 – September 30, 2014		
Allocated Fee:	\$4,750,000		
Revision Number:	1		
Senior level manager/Perf Manager:	Cormance Incentive	Karen Hooker Director, Office of Laboratory Oversight Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)	
Senior technical advisor:		Patrick Jackson Jay Ray	

#### Contract Performance Outcome:

SRNL's three-fold mission is to enable the success of SRS and the Office of Environmental Management (EM) operations and projects, to provide technical leadership for future site missions, and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government. The vision for SRNL is to be the nations' premier laboratory in Environmental Management, National & Homeland Security, and Energy Security (Source: SRNS Contract).

# Contract Output: SRNS2014SRNL-01 (Pat McGuire)

Deliver Disposition Paths for Nuclear Material.

## Description/Background/Justification:

SRS's unique facilities and capabilities enable it to support consolidation and processing of nuclear materials from other DOE facilities as well as other U.S. and foreign sources. This is important for reducing nuclear and proliferation threats, avoiding the additional costs of protecting materials at multiple sites and enabling closure of other facilities that are no longer needed.

The Site will continue to safely and securely store nuclear materials (plutonium, enriched uranium, used nuclear fuel, and other nuclear materials) pending disposition to meet commitments to the State of South Carolina.

#### Plutonium

SRS has been placed in a lead role by DOE to dispose of plutonium from the cleanup of weapons facilities throughout the DOE Complex.

Plutonium from the cleanup of weapons facilities (non-pit plutonium) has been primarily consolidated at SRS where, depending on future decisions, it is planned to be disposed of by a variety of alternative means including;

- Packaging (including blending as needed) and shipping to the Waste Isolation Pilot Plant (WIPP) in New Mexico
- Converting to reusable nuclear fuel by dissolving Pu in H Canyon, converting to Pu Oxide in HB-Line for future processing at MOX

#### **Highly Enriched Uranium**

SRS has the capability to support the DOE complex-wide effort to down blend excess HEU to a more useable and less proliferable low enriched uranium (LEU) enrichment. The LEU is provided to a commercial fuel vendor. The vendor uses the LEU to manufacture commercial nuclear fuel for use in commercial reactors for the generation of electricity. Additional LEU commitments from the processing of Used Nuclear Fuel (UNF) will be made to TVA. Receipt of Canadian Liquid Uranium is another source to meet LEU deliveries.

#### **Used (Spent) Nuclear Fuel**

SRS supports the nation's nonproliferation goals by receiving U.S. owned/loaned HEU fuel from foreign countries. The UNF is safely being stored in L Basin pending disposition.

SRNL provides technical support and consultation for this mission.

#### Up to \$650,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$225,000	Provide technical support to Nuclear Materials
SRNL-1.01	]		for the Plutonium Surveillance Program including
			3013 Destructive Examination (DE) program, and continuation of plutonium shelf life corrosion studies and 9975 life extension testing.
			a. Complete FY14 data set 2 analyses for # DE packages.
			b. Complete unloading of Series 3 of shelf life

	studies. c. Complete FY14 annual report on 9975 Life Extension o-ring test fixtures.
Acceptance Criteria	

DOE-SR will perform validation of the following:

- a. Loading and initial data sheets for Series 3 of shelf life studies.
- b. FY14 data set 2 analyses for 3013 Program.
- c. FY14 annual report on 9975 Life Extension o-ring test fixtures.

Number	Date	Fee	Contract Output Completion Criteria:
	9/30/14	<del></del>	·····
SRNS2014	9/30/14	\$75,000	Provide technical support to Nuclear Materials
SRNL-1.02			for the Spent Fuel Program.
			a. Complete extracted basin core testing and
			prepare and issue degradation evaluation
		1	report.
			b. Complete revision of corrosion surveillance
			program plan to include increase in coupon
			withdraw and analysis schedule; new rack
	ļ		material; and automated characterization and
			optimized corrosion analysis.
			c. Complete report for detailed corrosion
			analysis of the can-specific inventory of
			fuel/clad sections in oversized canister.
	l		Report to include corrosion, thermodynamic
	ļ		and kinetic analysis for fuel clad systems to
	İ		provide estimate of fuel and internal water
	i		activity conditions.
	]		d. Complete analysis of handling and
			transportation challenges from L to H area in
			damaged and vulnerable fuel (sectioned SS,
			zircaloy stored in OS canisters) including
			evaluating particulates and hydrogen
-	-		generation from radiolysis and corrosion.
-	<u> </u>		generation from faulorysis and comosion.

#### **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Degradation evaluation report.
- b. Revision of corrosion surveillance program plan.
- c. Report on detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.
- d. Analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$350,000	Develop and demonstrate flowsheets and
SRNL-1.03			equipment for application in H-canyon/HB-Line.
			Potential scope could include:

	a. Fabrication and deployment of crawler to
	inspect ventilation system.
	b. Flowsheet development for next set of
	material to be processed.
	c. Program to reduce the amount of waste sent
1 1	to the Tank Farms.
	d. Provide requested support to H-Canyon for
	processing used Nuclear Fuel (UNF) such as
	Hydrogen Generation Studies.

DOE-SR will perform validation of the agreed upon items for FY14.

#### Contract Output SRNS2014SRNL-02 (Karen Hooker):

Deliver products and services that reduce technical risk and enhance the schedule of liquid high level waste dispositioning. SRNL will enable DOE-EM mission success by providing the increased scientific and technological rigor needed to support EM program and project planning, technology development and deployment, project execution, and assessment of program outcomes.

#### Description/Background/Justification:

EM's goal is to reliably complete radioactive liquid waste treatment, safely manage the treated waste and meet DOE commitments to close the liquid waste tanks, while incorporating new technology and to enhance efficiency. In so doing, EM is closing the circle on the legacy of radioactive liquid waste.

At SRS, the insoluble sludge solids from tank waste are vitrified at the Defense Waste Processing Facility (DWPF) and converted into a solid glass form. The salt waste is processed to remove of the radioactivity with the decontaminated salt solution being disposed onsite in grout at the Saltstone facility. The Tank Closure Program at SRS has made significant progress. Tank Closure Program activities are on schedule to meet or exceed all Federal Facility Agreement commitments.

At Hanford, construction is well underway on the Pretreatment and Vitrification facilities. SRNL experience at SRS can be utilized to support flowsheet and other technology development activities.

In addition to the contractor support efforts described above EM has commissioned the SRNL to coordinate the engagement of the national laboratory community to bring the scientific and technological rigor needed to evaluate/prioritize alternatives, define/execute technology development as appropriate, and provide the DOE with an "owners representative" to inform decisions and reduce technical and programmatic risks in conjunction with PNNL. Under this direction, and consistent with their role as Federally

Funded Research and Development Centers (FFRDC), the SRNL/PNNL team will work closely with DOE site offices, contractors and other national laboratories to establish a framework for sustainable laboratory engagement and collaboration.

In addition to the strategic role for EM, SRNL will execute technology development tasks for EM-20 that support the EM Complex.

Up to \$1,245,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$700,000	Execute scope to provide technical bases,
SRNL-2.01			characterization results, consultation in support of
			SRS Tank Waste Projects. These efforts are likely
			to include support for the following:
	1		a. DWPF/Saltstone waste form, flowsheet,
	1		sludge batch qualification. Qualify next
			sludge batch including developing
			processing options and frit formulation -
			dependent on SRR schedule for canister
	ł		production.
			b. Tank Farm sample characterization,
			corrosion program. Perform sample
			characterization (dependent on sample
			needs) and support corrosion control
			program.
			c. Tank Closure sample characterization.
			Characterize any closure samples received
			to determine residual material left in tanks.
			d. Salt Processing. Qualify needed salt
			batches and support deployment of next
			generation solvent.
			e. Tank Closure/Saltstone Waste Disposition.
			Support SRR PA work through modeling
			and experimental scope - dependent on
			facility needs.

#### **Acceptance Criteria**

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.02	9/30/14	\$470,000	To maintain and enhance SRNL as a pre-eminent center for research, development, and deployment of technologies to cleanup the environmental legacy of the Nation's nuclear programs, SRNL will lead and execute scope for Hanford by providing technical bases and consultation. Scope

	• • •
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	include:
a.	Develop program execution plans for Grand
	Challenge efforts in support of high level waste
	processing at the Hanford site. Complete first
	phase of experimentation as part of these
	programs. Participate on the Hanford Tank
	Waste Disposition Integrated Flowsheet
	development team. Perform flowsheet
	evaluations and provide definition of key
	interfaces and waste acceptance criteria.
b.	Perform work for Hanford Contractors
	including WRPS and WTP.
	- Complete full scale mixer testing in
	support of Caststone work
	- Complete experimentation on Tc
	removal options selected during
	downselection
	- Develop conceptual design and fabricate
	test equipment in support of the waste
	qualification effort
	Continue leadership of the National Laboratory
	Technical Authority Team in support of the
	WTP Full Scale Vessel Qualification Testing
	Program.
	- Define and qualify the instrumentation
	to be used during the full scale
	demonstration effort. Develop the
	simulant to be used during this
	instrument qualification and the first
	phase of testing
A company of Children's	phase of testing
Acceptance Criteria	

DOE-SR will perform validation of the programs discussed above.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.03	9/30/14	\$75,000	Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts include:  a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership.  b. Issue technical report/journal article on the next phase of long term glass corrosion modeling work.

DOE-SR will perform validation of the programs supported.

#### Contract Output SRNS2014SRNL-03 (Karen Hooker):

Develop and deploy Next Generation Cleanup Technologies.

#### Description/Background/Justification:

The environmental cleanup of SRS will continue to receive emphasis for the foreseeable future as we reverse the environmental impact from legacy operations performed on the Site. With each success, the Site becomes safer for future generations and less costly to maintain. These cleanup operations are not trivial nor are they straightforward.

SRS has had to develop new and innovative applied technologies in order to accomplish much of the cleanup. This will continue to be the case as the cleanup challenges get more and more difficult. SRS plans to make these new technologies available across the country and internationally to assist others in their own cleanup efforts. SRS technological expertise and knowledge in cleanup has been highlighted to assist Japan in the remediation efforts at the Fukushima-Daiichi Nuclear Power Station.

SRNL efforts are likely to include programs in Environmental Compliance & Area Completion Projects (EC&ACP), Solid Waste Management (SWM), Technology Development for EM-10, and programs to support Japan's remediation of the Fukushima site.

Up to \$470,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.01	9/30/14	\$50,000	Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP.

Acceptance DOE-SR wil		alidation of the	e programs supported.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.02	9/30/14	\$160,000	Provide technical support for SRNS Solid Waste Management. SRNL plans to:
Acceptance DOE-SR wil		alidation of th	<ul> <li>a. Develop and submit to DOE the FY 2014 Performance Assessment Maintenance Plan.</li> <li>b. Develop and submit to DOE the FY 2014 Composite Analysis Maintenance Plan.</li> <li>c. Develop and submit to DOE the FY 2013 PA Annual Review report.</li> <li>d. Develop and submit to DOE the FY 2013 CA Annual Review report.</li> <li>e. Develop and submit to SWM the UDQE to assess new modeling information.</li> <li>f. Complete and issue TBD reports.</li> </ul>
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.03		\$100,000	Provide technical development for EM-10 on Environmental Compliance (EM-11), Soil & Groundwater Remediation (EM-12), D&D and Facility Engineering (EM-13).  a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.  b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.  c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD developments.
DOE-SK WI	n penom v	andation of th	e programs supported.
Number SRNS2014 SRNL-3.04	<b>Date</b> 9/30/14	<b>Fee</b> \$100,000	Contract Output Completion Criteria:  SRNL is the EM's Corporate National Laboratory across the EM complex and will seek to diversify its customer base and funding sources for SRNL to

increase efficiencies for the benefit of all of its customers. SRNL will provide technical support and expertise, and global leadership in support of Fukushima cleanup and remediation efforts that may include the following:  a. Lead development and negotiations of new business contract(s) with Tokyo Electric Power Company (TEPCO) in Japan.  b. Execute PNNL partnership to support technical scope of contract with TEPCO.  c. Work with governmental agencies (Department of Energy, Department of State, etc.) to identify and establish SRNL leadership in U.S. government efforts supporting Fukushima remediation by the Ministries in the Government of Japan (MOE, METI, MEXT, etc.).  d. Deliver emergent support to Fukushima cleanup based on EM laboratory leadership, capabilities and expertise.
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DOE-SR will perform validation of the following:

- a. Negotiated contract(s) with TEPCO.
- b. PNNL partnership performance.
- c. SRNL participation or leadership in governmental agency support to Fukushima remediation.
- d. Validate laboratory support to emergent Fukushima cleanup issues. Validation will include pass/fail consideration for the above listed components.

SRNS2014 9/30/14 \$60,000 Relocate the Packaging Certification Program	
SRNL-3.05  (PCP) Docket files from Germantown, Maryl Savannah River National Laboratory. Transit the EM-33 PCP Docket Manager from Eagle Research to SRNL.	and to

#### **Acceptance Criteria**

DOE-SR will perform validation of the programs supported.

#### Contract Output SRNS2014SRNL-04 (Karen Hooker):

Develop Solutions to Close and Better Secure the Nuclear Fuel Cycle.

#### Description/Background/Justification:

SRNL helps develop the nations' used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. This is facilitated by SRNL leadership in Clean Energy initiatives aligned with the DOE Sustainability Plan goals.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-4.01	9/30/14	\$300,000	As part of the SRNS Contract, SRNL will provide technical leadership for future site missions, and utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government, and maintain and enhance the core competencies that are necessary to support assigned and future missions of EM and NNSA programs at SRS. As part of this mission, SRNL will develop and lead the nations used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. Perform DOE-NE FCR&D program funded work activities as specified in the Program Information Collection System NE (PICSNE) defined in terms of cost, schedule and technical performance. Complete all required Level 2 and Level 3 milestones (number TBD) for the Used Fuel Disposition Campaign, Separations and Waste Forms Campaign, and Fuel Cycle Options

#### **Acceptance Criteria**

DOE-SR will perform validation of the following: completed reports, presentations, and publications identified in the funded DOE-NE FCR&D scope.

#### Contract Output SRNS2014SRNL-05 (Karen Hooker):

Reduce greenhouse gas emission via Clean Alternative Energy Project.

#### Description/Background/Justification:

SRNL facilitates complex-wide accomplishment of the DOE Sustainability Plan goals through innovative leadership in Clean Energy activities in support of DOE renewable energy strategic initiatives.

SRNL continues to be heavily involved in a number of initiatives that will reduce greenhouse

gases in accordance with Executive Order 13514. SRNL's Hydrogen Storage Engineering Center of Excellence will continue to advance the concept of clean fuels based on the hydrogen technology that SRS has developed over years of tritium research and production. SRNL has a number of other projects to reduce greenhouse gas emission, including solar and methane, which is a key SRS strategic initiative and goal for EM sites.

Up to \$325,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-5.01	9/30/14	\$325,000	The vision for SRNL is to be the nation's premier applied science laboratory in Environmental Management, National and Homeland Security, and Energy Security. As part of the efforts in Energy Security the following Clean Energy Projects will be completed:
			a. Hydrogen Storage Engineering Center of Excellence-Technical Work Scope: Complete design and begin assembly of a two liter prototype cryo-adsorbent hydrogen storage prototype.
			b. Basic Science: Have accepted for publication in the area of energy storage and conversion three technical articles in peer reviewed journals with impact factors = >3.
i			c. Methane opportunities for Vehicular Energy - Complete a test station for evaluation of a two liter prototype methane adsorption system meeting the DoE technical targets.
			d. SunShot "Low-Cost Metal Hydride Thermal Energy Storage System for Concentrating Solar Power Systems" - Complete FY14 milestone: Complete system model and evaluate at least one metal hydride material pair capable of meeting DOE SunShot thermal energy storage targets as defined in Statement of Project Objectives.
			e. SunShot High Temperature Corrosion Analysis of Molten Salt Systems for CSP Applications. Commission high temperature thermal gradient and fluid flow corrosion apparatus system for molten salt systems as outlined in Statement of Project Objectives (SOPO).

#### DOE-SR will perform validation of the following:

- a. EERE program management acknowledgement of requirements delivered as specified.
- b. Copies of acceptance letters and 2013 journal impact factors.
- c. Completed test station and approved HAP.
- d. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.
- e. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.

#### Contract Output SRNS2014SRNL-06 (Karen Hooker):

Expand the SRNL presence in National Security.

#### Description/Background/Justification:

SRNL support for DOE-IN Nuclear Materials Information Program.

SRNL utilizes its technical expertise to provide services and products for the DOE-IN. The DOE-IN Nuclear Materials Information Program (NMIP) develops and maintains a comprehensive information system on foreign special nuclear materials (SNM) capable of being utilized in nuclear weapons. This system is maintained on classified networks and is updated with current intelligence annually.

SRNL technical support for DOE-IN Foreign Nuclear Program.

SRNL utilizes its technical expertise to provide services and products for DOE-IN's Foreign Nuclear Program. SRNL provides technical analysis and programmatic support to DOE-IN and to other agencies within the United States Intelligence Community (USIC). National Laboratories and their Field Intelligence Elements (FIE's) provide DOE's technical input to all issues of weapons production and utilization by foreign nuclear programs. SRNL's FIE provides important technical leadership, analysis and input on current issues, foreign facilities and weapons materials production.

The SRNL counterintelligence program primarily consists of an expansive awareness function, a counterintelligence investigative capability, an analysis element and a multi-focused cyber component. The Senior Counterintelligence Official (SCIO) leads the integrated counterintelligence effort against foreign intelligence, terrorism threats directed at SRNL, and also has direct managerial oversight for the overall performance of the office, personnel and financial management of the CI program.

#### Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$200,000	The vision for SRNL is to be the nation's premier
SRNL-6.01	İ		applied science laboratory in Environmental

Management, National Security, and Energy Security. As part of the work on National Security, SRNL will provide technical support for DOE-IN as follows:
a. Deliver to US Policy Makers technical reports and assessments of foreign nuclear weapons programs that have been reviewed and published by DOE-IN.
b. Update 100% of the Nuclear Materials Information Program (NMIP) assessments for

## c. Promote Counter Intelligence (CI) site-wide by conducting awareness briefings and training for

which SRNL is responsible.

all on-site contractors.

#### Acceptance Criteria

DOE-SR will perform validation of the following:

- a. Technical reports and assessments of foreign nuclear weapons programs have been reviewed and published by DOE-IN.
- b. 100% of Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible are updated.
- c. CI awareness briefings and training are completed for all on-site contractors.

#### Contract Output SRNS2014SRNL-07 (Karen Hooker):

SRNL Infrastructure Sustainment.

#### Description/Background/Justification:

SRNL offers a unique combination of capabilities, equipment, and infrastructure that are not available anywhere else in the United States. Although SRNL was originally built as a part of the nuclear weapon complex to maintain the U.S. nuclear deterrent, the facilities obtained and constructed for that purpose represent a significant asset to the site, region, and country and it is poised to solve National issues. The SRS vision targets SRNL to be the central hub as SRS expands its business segments to address DOE needs that capitalize on historic SRS competencies and capabilities. SRNL will actively seek ways to revitalize and present these assets for more wide-spread beneficial use.

Up to \$1,485,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-7.01	9/30/14	\$300,000	SRNL will implement High Priority Safety Basis scope and nuclear infrastructure improvements as defined in the approved FY14 SVS Implementation Plan as developed between DOE-SR OLO and SRNL. This Implementation Plan will be updated as needed and on an annual basis to:  a. Meet selected project milestones for identified High Priority DNFSB Scopes.  b. Complete Safety Basis scope improvements.
Accentance	Criteria		

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$390,000	As defined in the approved FY14 SVS
SRNL-7.02			Implementation Plan jointly developed by DOE-SR OLO and SRNL, complete A Block window replacements with no adverse impact to EM Liquid Waste mission work.

#### Acceptance Criteria:

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-7.03	9/30/14	\$695,000	Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS
			Implementation Plan.

#### Acceptance Criteria:

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-7.04	9/30/14	\$100,000	Implement the SRNL Infrastructure Plan to reduce operational cost by facility and scientific instrument renewal as well as an improved Asset Condition Index as defined in the approved FY14 SVS Implementation Plan.

#### **Acceptance Criteria**

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

#### Contract Output SRNS2014SRNL-8 (Karen Hooker):

Conduct effective laboratory management.

#### Description/Background/Justification:

Utilizing a comprehensive and integrated approach, SRNS will document and continue implementation of a path forward to: improve the overall institutional management of SRNL; establish a comprehensive vision for the future; and effectively apply innovative solutions to meet DOE mission needs.

Up to \$75,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-8.01	9/30/14	\$75,000, paid upon completion of items a-b	<ul> <li>a. Provide a framework that allows for documentation of laboratory management for 1) Effective use of partnerships (internal, academic, community, government agencies, etc.), 2) Maintenance of core competencies and retention of employees, 3) Improvement in internal business processes and goals, 4) Business unit strategies, and 5) Effective use of recommendations from external reviews.</li> <li>b. Proceed with implementation of the University Relations Program Plan developed in FY13.</li> </ul>

#### **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Documentation of the improved institutional management of SRNL.
- b. Implementation Status Report for the FY13 University Relations Plan.



## Performance Incentive Document

PID Number:	SRNS2014LS			
Activity Name:	EM Landlord Se	EM Landlord Services		
WBS Number:	Various / Indirect			
Performance Period:	October 1, 2013 – September 30, 2014			
Allocated Fee:	\$1,510,000			
Revision Number:	<del>12</del>			
Senior level managers:		Angelia Adams, Acting AM Infrastructure & Environmental Stewardship (AMI&ES) Doug Hintze, AM Mission Support (AMMS)		
Senior level supervisor/division manager:		David Bender Nick Delaplane		

#### **Contract Performance Outcome:**

The Contractor shall execute assigned landlord responsibilities and provide a range of services to other organizations doing work on the Savannah River Site. This section includes Site Services and Business Services.

#### Contract Output SRNS2014LS-01: (Deleted in Rev. 3.)

The Contractor shall meet all SRNS agreed upon scheduled milestones to plan & execute development of SRS Sustainability initiatives and High Performance Sustainable Buildings (HPSB) program objectives to meet scheduled site sustainability goals.

#### Description/Background/Justification:

DOE has approved a Complex-wide Strategic Sustainability Performance Plan. This plan addresses such topics as greenhouse gas emission reductions, High Performance Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to make progress toward goals established for 2015 and 2020. The benchmark for the HPSB 15% reduction is defined in Executive Order (E.O.) 13514 section 2(g).

#### Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:

SRNS2014 LS-1.01	12/31/13	\$100,000 fee is earned by meeting all milestones.	a. Develop the FY14 Site Sustainability Plan for the Savannah River Site in accordance with the DOE HQ annual guidance document by 12/31/13.
	1/31/14		b. Prepare the SRS Consolidated Energy Data Report (CEDR) in accordance with annual DOE HQ guidance documentation by 1/31/14.
	9/30/14		e. Continue development of High Performance Sustainable Buildings (HPSB) Program objectives by completing the following activities:
			<ul> <li>Conduct lighting specific walkdowns of facilities, to determine how to comply with the automated lighting controls objective associated required by the HPSB Guiding Principles and develop layouts summarizing how compliance will be achieved.     Determine FY15 funding requirement to complete objective.</li> <li>Complete metering objective by installation of meter and establishing monthly meter readings for all facilities in HPSB scope.</li> <li>Update EPA Portfolio Manager database as needed to show status of HPSB objectives for all buildings</li> </ul>

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agency-wide Strategic Sustainability Performance Plan.
- b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE HQ for use in DOE agency wide data collection.
- e. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.

#### **Contract Output SRNS2014LS-02:**

The Contractor shall develop and implement cost efficient approaches to reduce government liability.

#### Description/Background/Justification:

Initiatives are needed to address site energy costs and infrastructure support of current and future missions. Site Services will also evaluate organizational practices to identify efficiency gains and cost improvements and achieve government liability reduction where appropriate.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-2.01	5/31/14	\$150,000	Partnering with DOE in the negotiation of a new five-year contract with South Carolina Electric & Gas Company, including the following:  • Participate with DOE in the contract development process and negotiation of terms and costs.  • Provide financial analysis through evaluation of life cycle cost options for the contract.

#### **Acceptance Critieria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Review SRNS Contract-involvement summary report
- Evaluate the effectiveness of SRNS involvement and recommendations concerning the development of the new contract and rate structure.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$150,000	Develop an Infrastructure Alignment Plan/Study
LS-2.02			that outlines infrastructure right sizing
			recommendations, including footprint reduction
İ			that will coincide with current and future
			missions, SRNS baseline operations and funding
	i .		profile (e.g. facilities, roads, infrastructure
			systems, etc.) Implement infrastructure right-
	1		sizing recommendations as approved by DOE and
			as funding is available.

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Perform walkdown of the targeted systems/processes for the scope.
- Evaluate effectiveness of recommendations.

• Validate evidence of implementation.

#### Contract Output SRNS2014LS-03:

The Contractor shall meet all SRNS agreed upon scheduled milestones to actively seek cost effective opportunities to reduce government liability and benefit the community through the DOE Asset Revitalization Initiatives and Programs.

#### Description/Background/Justification:

The identification, leveraging, revitalization, and disposition of site assets reduce EM liability, minimize lifecycle cost, and achieve Footprint reduction. Wherever it is cost effective, utilize the SRS Community Reuse Organization to provide additional opportunities to benefit the surrounding community. Site Services will continue to evaluate consolidation of facilities, services and functions for cost improvements.

#### Up to \$110,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$110,000	Outsource the SRNS ESS Facilities Maintenance
LS-3.01			and ensure success by providing business and technical leadership.
		<u> </u>	teelinear leadership.

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate documentation defining transition process.
- Review and evaluate effectiveness of the transition support.

#### **Contract Output SRNS2014LS-04:**

The Contractor shall meet all SRNS agreed upon scheduled milestones to cost effectively maintain SRS plant systems, components, structures, and also improve maintenance processes to meet site missions and positively address deferred maintenance issues.

#### Description/Background/Justification:

Procedure Manual 1Y, Conduct of Maintenance, is established for effective management of plant systems, structures and components at the Savannah River Site. These standards comply with the requirements of the Department of Energy (DOE) Order 433.1B, Maintenance Management Program for DOE Nuclear Facilities. The requirements ensure a safe and cost effective maintenance program at SRS.

Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.01	9/30/14	\$100,000	Continue the implementation of the Maintenance Paperless Work Package. Achieve 10% more EM paperless work packages completed in FY14 compared to the average of last four months in FY13 as baseline.

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- · Randomly sample electronic work packages.
- Evaluate trending results for EM facilities.
- Evaluate Time & Cost savings documentation.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>	
SRNS2014 LS-4.02	9/30/14	\$100,000	Continue the implementation of the Preventive Maintenance (PM) optimization process.  • Evaluate and incorporate Predictive Maintenance (PdM) in the process.  • Demonstrate savings in overall efficiency gain.	

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Verify the PM baseline.
- Evaluate effectiveness of the optimization process.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.03	9/30/14	\$100,000	For Site Services, demonstrate a rigorous process is in place and utilized for the execution of preventive maintenance (PM) field work. To maximize efficiency and effectiveness of the PM process, establish a central support services work planning process and develop and initiate implementation of an integrated schedule for PM execution that is in alignment with operating mission needs.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Assess the planning center effectiveness through review and validation of planning center effectiveness metrics.
- Evaluate the integrated schedule effectiveness via schedule completion metrics.
- Evaluate PM completion status vs PM baseline plan.

#### Contract Output SRNS2014LS-05:

The Contractor shall sustain and/or modernize site facilities/infrastructure, provide quality Shops services to achieve mission goals/milestones and ensure a safe and secure workplace for all SRS personnel.

#### Description/Background/Justification:

The SRS infrastructure is approaching 60 years old. Over the past 10 years, funding for infrastructure repairs/replacement declined considerably due to budget challenges. The Critical Infrastructure Integrated Priority List (CIIPL) was implemented to identify the most critical projects for SRS. The Contractor will execute funded projects and provide quality Shops services to ensure a safe and secure workplace for all SRS personnel.

#### Up to \$400,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-5.01	9/30/14	\$300,000	Execute Infrastructure modernization/ improvement Utility system projects, sustaining activities and liability reduction work scope (e.g. water systems, electrical distribution system, etc.).

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate Summary Report and perform field walkdown of completed activities consistent with infrastructure IPL.
- Review Final Acceptance Inspection (FAI) documents or Work Packages of completed work scope.
- Before and after photographs of completed modernization work scope as feasible.

Number	Date	Fee	Contract Output Completion Criteria:	
SRNS2014 LS-5.02	9/30/14	\$100,000	<ul> <li>Evaluate the Critical Infrastructure Integrated         Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.     </li> <li>Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.</li> </ul>	

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate CIIPL documentation.
- Review the updated CIIPL quarterly or as-needed.
- Evaluate data improvements.
- Evaluate CIIPL effectiveness report.

#### **Contract Output SRNS2014LS-06:**

#### Real Property Asset Management

The Contractor shall meet all SRNS agreed upon scheduled milestones by leveraging the Real Property Asset Management Program and Facility Information Management System (FIMS) data to effectively manage SRS infrastructure needs.

#### Description/Background/Justification:

SRNS will ensure compliance of DOE Order 430.1B Real Property Asset Management Program and implement DOE-HQ requirements for asset replacement value. The Facility Condition Assessment Survey (CAS) Inspections will continue in FY14. In addition, improvements to the accuracy of the SRS Actual Maintenance Cost Reporting Data will continue to be implemented for the HQ FIMS.

Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-6.01	9/30/14	\$200,000.00	<ul> <li>a. Evaluate and begin implementation of the Corrective Action Plan to more accurately capture SRS Actual Maintenance Cost Reporting. Subsequently, provide data input to support Site Planning integration.</li> <li>b. Demonstrate cost reduction and/or cost</li> </ul>
			<ul> <li>avoidance by:         <ul> <li>Integrating impacts of ARRA project completion, site housing consolidation planning, workforce restructuring, site mission changes and lessons learned from Condition Assessment Survey (CAS) inspections into the RPAM SmartPlan (SRNS-RP-2011-00202).</li> <li>Revise RPAM SmartPlan requirements to more cost effectively implement DOE Order 430.1B.</li> <li>Evaluating Facility assessments conducted by other organizations (Engineering, maintenance, Operations, etc.) for CAS applicability.</li> </ul> </li> </ul>
			c. Leverage Real Property Asset Management Program (RPAM) for the Site, develop a

:		tailored approach for the Replacement Value (RPV) of agreed upon unique/critical facilities and initiate implementation.
	d.	Evaluate Facility Information Management System (FIMS) database and make recommendations for data improvements. Also, update and maintain information of over 2,000 FIMS real property records to ensure the data is accurate and reliable.
	e.	Continue to perform CAS inspections to ensure SRS meets the facility condition assessment 5 year cycle.

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Review the Actual Maintenance Corrective Action Plan and evaluate the Cost Reporting implementation. Review and evaluate the evidence of data input to Site Planning.
- b. Review documentation that outlines the following:
  - Cost avoidance scenario(s) from the various integrated site impacts.
  - Assessment of cost avoidance as reported.
  - Revised Condition Assessment Survey Process that maximizes cost reduction and/or cost avoidance.
- c. Evaluate RPV for H-Canyon, DWPF and SRNL 773-A Lab.
- d. Review evidence of implementation documentation in DOE-HQ FIMS records demonstrated by performance against metrics implementation schedule.
- e. Review Condition Assessment Survey (CAS) Reports for the structures inspected in FY14. In addition, DOE-SR will perform field walk down on randomly selected completed facilities/structures and then verify that CAS data has been placed into the DOE-HQ Condition Assessment Information System (CAIS).

#### **Contract Output SRNS2014LS-07:**

#### Site Integrated Planning and Business Process Improvement

The Site Integrated Planning process integrates site mission planning and real property asset management. These recommendations and objectives will demonstrate improved linkage and

#### Contract Output SRNS2014LS-08:

#### **Interface Management**

The Contractor shall execute Interface Management with site tenants to deliver landlord services in support of mission execution.

#### Description/Background/Justification:

Effective implementation of site interface management process (necessary maintenance and communication of interface processes, procedures and agreements) results in the effective delivery of landlord services. This ensures an efficient process to support tenant site mission completion activities.

Annually the Interface Management Team develops a lessons learned regarding the interfaces of the tenants. These recommendations are the basis for the improvements defined in items 2 and 3.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Perform SRNS integration efforts by:
LS-8.01	1	Į.	1. Executing annual revision of interface
			agreements (SRR/SWPF, Ameresco, WSI,
			USFS, SREL, SCE&G, MOX)

DOE-SR will review the annual interface agreement.

Number	Date	Fee	Contract Output Completion Criteria:	
SRNS2014	9/30/14	\$150,000	Improve the SRS Interface Management Process	
LS-8.02		1	by supporting DOE in the implementation of the	
	Ì		Site Policy Manual SRSPM 250.1.1B.	
			Note: This improvement is defined in the 2013	
			Interface Management Lessons Learned developed	
			by the Interface Management Team:	
	-		1. Providing support in developing a matrix of	
			current contractor (SRNS, SRR, MOX,	
	]		SWPF, WSI) applicability for each policy.	
			<ol><li>Provide suggested handling strategies for</li></ol>	
			the major contract omissions (i.e. contract	
			modification, policy modification)	

#### Acceptance Criteria

DOE-SR will review the Contractor Applicability Matrix and suggested handling strategies.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-8.03	9/30/14	\$50,000	Improve the SRS Interface Management Process by providing a method for small site tenants (SREL, USFS, Ameresco) to monitor spending on scope defined in Functional Service Agreements. Note: This improvement is defined in the 2013 Interface Management Lessons Learned developed by the Interface Management Team.

#### **Acceptance Criteria**

#### DOE will review

- 1. The method and tools developed for the monitoring process.
- 2. The Performance of the support accounts. (Actuals vs. Target)



### Performance Incentive Document

PID Number:	SRNS2014SUB.	J	
Activity Name:	Management & Operations - Subjective		
WBS Number:	Various / Indirect		
Performance Period:	October 1, 2013 – September 30, 2014		
Allocated Fee:	\$5,000,000		
Revision Number:	1		
Senior level manager:		Doug Hintze Assistant Manager Mission Support (AMMS)	
Senior level supervisor/division manager:		Nick Delaplane	

#### **Contract Performance Outcome:**

#### **Nuclear Materials Management**

The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements. Management of nuclear materials at SRS includes storage, operations and disposition.

#### Solid Waste

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

#### Soil and Water Remediation

The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.

#### Savannah River National laboratory (SRNL)

SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.

#### Sitewide ES&H Program

The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.

#### **Operations Support**

The Contractor shall implement site-wide programs and coordinate their implementation with all site organizations. The Contractor shall provide technical support for all its activities and operations. The Contractor shall also provide technical support for other organizations as directed by the CO or as requested by other organizations and approved by the CO. Except as otherwise directed by the CO, services to other contractors generally do not extend to within their facilities or areas under the control of other tenant organizations.

#### **Business Services**

The Contractor shall provide general planning, management and administrative services for all its activities and for other organizations as directed by the CO.

#### **Contract Output SRNS2014SUBJ-01:**

This incentive is measured with an adjectival rating to measure technical performance, cost control, schedule performance and business relations / management for all of the fiscal year 2014 authorized scope.

This Contract Output will receive an adjectival grade and numerical score. In order to provide for consistency across the Complex, DOE-SR will use the five tier adjectival ratings and definitions set forth in FAR 16.4 described below.

Adjectival Rating	Percent of allocable fee	Definition
Excellent	91% - 100%	Contractor has exceeded almost all of the significant award-fee criteria and has met overall cost, schedule, and technical

		performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76% - 90%	Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Good	51% to 75%	Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	1% to 50%	Contractor has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	0%	Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.

#### Description/Background/Justification:

To achieve its vision and implement all desired management improvement efforts will require an organized, systematic approach to project execution. EM has developed and implemented the EM Program Management System (EMPMS) to clarify roles and responsibilities, to provide for more integrated operations, and to further establish a solid baseline for workforce planning.

The EMPMS is a performance-based management system. Performance-based management uses performance measurement information to help set agreed-upon performance goals, to allocate and prioritize resources, to inform managers so they can manage program activities to meet those goals, and to report on their status. It also offers opportunity to learn from any failures in performance and to continuously improve management practices.

The IPT, as identified in the PEMP, will conduct informal surveys of the following organizations in order to solicit feedback related to contractor performance in the areas of Business Relations, Technical Quality, Cost Control and Schedule (timeliness):

Assistant Manager for Infrastructure and Environmental Stewardship (AMIES)

#### Assistant Manager for Mission Support (AMMS)

- Assistant Manager for Integration and Planning (AMIP)
- Office of Acquisition Management (OAM)
- Office of Human Capital Management (OHCM)

Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)

Assistant Manager for Waste Disposition Project (AMWDP)

Office of Field Chief Financial Officer (CFO)

Office of Chief Counsel (OCC)

Office of Civil Rights (OCR)

Office of External Affairs (OEA)

Office of Laboratory Oversight (OLO)

Office of Safety and Quality Assurance (OSQA)

Office of Safeguards, Security and Emergency Services (OSSES)

SRNS organizations will provide monthly self-assessments throughout the performance period to provide contractor feedback in cross-cutting areas of performance, such as safety, efficient use of trained and qualified human capital, quality, continuous improvement, cost effectiveness, timeliness of deliverables, compliance with contract, etc. The self-assessments will be used to measure and report contractor technical performance (quality of product/service), cost control, adherence to schedule, and business relations / management as these relate to the contractor support of the individual and collective DOE organizations. These self-assessments will be captured on the electronic web-based DOE Scorecard and used to facilitate enhanced communication between DOE-SR and SRNS.

These assessments are critical to record contract performance that is considered implicit, or subjective. Clear measures will be defined and consistent with standards of reporting contractor performance (FAR 42.15, FAR 15.3, FAR 9.1, and DEAR 909.1), The Federal Acquisition Streamlining Act of 1994, and the federal acquisition guide, chapter 42.15.

Subjective incentives use adjectival measures related to quality of service or product. The success of a contractor against subjective measures is determined by the government, which will consider the related conditions under which the work was performed and the contractor's specific performance as measured against the government's objective.

Customer service is an implicit performance expectation. Both federal and contractor employees will strive to reach mutual expectations and conduct beneficial communications in support of site missions.

Per contract clause H-33: PROVISIONAL PAYMENT OF INCENTIVE FEE, the contractor may request monthly provisional fee payments for up to 1/12th of 50% of the total subjective fee for the performance period. Provisional fee is not considered earned fee and is contingent upon a final fee determination by the Fee Determination Official.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SUBJ-1.01	9/30/14	\$5,000,000	Provide a monthly report measuring trends and improvements in technical, cost, schedule performance and business relations / management activities. The report will include trending data and analysis of direct program (PBS) continuous improvement efforts, and cost performance of the Indirect cost pools (Essential Site Services and G&A).

#### Attachment D, NNSA Performance Incentive Documents for fiscal year 2014

## Fiscal Year 2014 DOE/NNSA Strategic Performance Evaluation Plan (PEP) Template

#### **FOR**

## MANAGEMENT AND OPERATION OF THE SAVANNAH RIVER SITE NNSA ACTIVITIES

By

Savannah River Nuclear Solutions, LLC

Contract Number: DE-AC09-08SR22470

Performance period: October 01, 2013 through September 30, 2014

Dennis J. Donati

Senior Vice President

NNSA Operations and Programs

Savannah River Nuclear Solutions, LLC

Douglas J. Dearolph

Field Office Manager

Savannah River Field Office

National Nuclear Security Administration

John/W. Temple

Senior Vice President

**Contracts Management** 

Savannah River Nuclear Solutions, LLC

Carol R. Elliott

Contracting Officer

Savannah River Field Office

National Nuclear Security Administration

Thate 11/14/13

#### INTRODUCTION

Savannah River Site is a facility owned by the United States Department of Energy (DOE), herein referenced as "Plant." It is managed by Savannah River Nuclear Solutions, LLC (SRNS). Pursuant to the terms and conditions of the Contract, and Clause H-27, Performance Based Management and Oversight, this Performance Evaluation Plan (PEP) sets forth the criteria in which SRNS' performance will be evaluated and upon which the determination of the amount of award fee earned shall be based. The available award fee amounts for FY 2014 are specified in Section B-2.3 and scope of work for NNSA as set forth in Section C-3.3 of Contract No. DE-AC09-08SR22470. This PEP promotes a strategic Governance and Oversight framework, for NNSA scope, based on prudent management of risk, accountability, transparency, and renewed trust. It has been written to implement the collective governance and oversight reform principles as expressed by the DOE/National Nuclear Security Administration (NNSA).

#### PERFORMANCE BASED APPROACH

The performance-based approach evaluates SRNS's performance through a set of performance objectives (PO). Each PO, and its associated Contributing Factors (CF) and Site Specific Outcomes (SSO) will be measured against authorized work and the respective outcomes, demonstrated performance, and impact to the DOE/NNSA mission. CFs and SSOs will be assessed in the aggregate to establish an adjectival performance rating for each Performance Objective. Notwithstanding the overall strategic framework, failure to achieve an individual SSO, the most important DOE/NNSA fiscal year objectives at the Plant, may limit the award-fee.

#### **MISSION**

Savannah River Nuclear Solutions, LLC shall furnish the necessary personnel, facilities, equipment, materials, supplies, and services (except those provided by the Government) to accomplish the Scope of Work. The Scope of Work under the Performance Based Management Contract is comprehensive in that the Contractor shall perform all necessary technical, operations and management functions to manage and operate SRS and perform the missions assigned to the site.

#### MISSION PERFORMANCE

Savannah River Nuclear Solutions is accountable for and will be evaluated on successfully executing program work in accordance with applicable DOE/NNSA safety and security requirements consistent with the terms and conditions of the Contract. Protection of worker and public safety, the environment, and security are essential and implicit elements of successful mission performance. Accordingly, the model for this PEP is to rely on SRNS's leadership to use appropriate DOE contractual requirements and recognized industrial standards based on consideration of assurance systems, and the related measures, metrics, and evidence. Savannah River Nuclear Solutions is expected to manage in a safe, secure, efficient, effective, resultsdriven manner, with appropriate risk management and transparency to the government, while taking appropriate measures to minimize costs that do not compromise core objectives and mission performance. Products are expected to be delivered on-schedule and within budget.

U.S. Department of Energy Savannah River Operations Office Performance Evaluation and Measurement Plan

#### CONSIDERATION OF CONTEXT IN PERFORMANCE EVALUATION

The evaluation of performance will consider "context" such as unanticipated barriers (e.g., budget restrictions, rule changes, circumstances outside SRNS control), degree of difficulty, significant accomplishments, and other events that may occur during the performance period. Effective efforts by SRNS to quickly identify, self-report, and overcome or mitigate the impact of issues, barriers or other circumstances will also be a factor in evaluating performance. A significant safety or security event may result in an overall limitation to adjectival ratings.

#### PERFORMANCE RATING PROCESS

At the end of each of the first three quarters, DOE/NNSA will evaluate performance and provide feedback to SRNS highlighting successes and/or needed improvement. At the end of the year, an overall performance rating will be assigned for each PO using the table in Federal Acquisition Regulation Subpart 16.401(e) (3) yielding scores of Excellent, Very Good, Good, Satisfactory or Unsatisfactory. In general, performance objectives and contributing factors are written to reflect an overall adjectival performance level of **Good**. DOE/NNSA will consider the SRNS end of year self-assessment report in preparing the Performance Evaluation Report (PER) for the Fee Determining Official (FDO). The PER transmits the final recommendations on performance ratings and award fee earned for the award fee period of performance. The unilateral decision of the total award fee earned will be made by the FDO.

#### PEP CHANGE CONTROL

It is essential that a baseline of performance expectations be established at the beginning of the performance period to equitably measure performance, and that changes to that baseline are carefully managed. Any change to the PEP requires concurrence by the appropriate program office, NA-00 and the NNSA Senior Procurement Executive prior to the Field Office Manager and Contracting Officer signatures. While recognizing the unilateral rights of DOE/NNSA as expressed in contract clauses H-27, *Performance Based Management*, and (2) H-28, *Performance Incentives*, bilateral changes are the preferred method of change whenever possible.

#### **FINAL DECISION**

Prior to a final decision by the FDO the SRNS General Manager will have a face-to-face opportunity to provide a final presentation in support of strategic performance determination and direction of the enterprise.

#### TOTAL AVAILABLE AWARD FEE ALLOCATION

Performance Category	Performance Objective	% At-Risk Fee Allocation
Programs (NA-10 & FOM)	PO-1: Manage the Nuclear Weapons Mission	25%
Programs (NA-2 & FOM)	PO-2: Broader National Security Mission	12.5%
Programs (NA1.1 & FOM)	PO-3: Science, Technology, and Engineering and Other DOE Mission Objectives	12.5%
Operations & Mission Execution (NA-3 & FOM)	PO-4: Operations & Infrastructure	25%
Operations & Mission Execution (NA-1 & FOM)	PO-5: Leadership	25%

#### **UNEARNED FEE**

DOE/NNSA reserves the right to withdraw and redistribute DOE/NNSA unearned fees.

#### INNOVATIVE SOLUTIONS

Savannah River Nuclear Solutions will recommend innovative, science-based, systems-engineering solutions to the most challenging problems that face the nation and the globe. Savannah River Nuclear Solutions will also provide evidence to support programmatic needs and operational goals tempered by risk. DOE/NNSA will take into consideration all major functions contributing to mission success. In addition, SRNS is expected to recommend and implement innovative business and management improvement solutions that enhance efficiencies.

PO-1: Manage the Nuclear Weapons Mission – NA-10 & FOM - (At-Risk Fee: 25%) Successfully execute Nuclear Weapons mission work in accordance with DOE/NNSA Priorities, Program Control Document and Deliverables, and Program Implementation Plans. Integrate across the Plant, while maintaining a DOE/NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-1.1 Accomplish work as negotiated with program sponsors and partners, achieving the expected level of quality to ensure safe, secure, reliable weapon performance, transportation, and cost effective operations.
- CF-1.2 Increase knowledge of the state of the stockpile, resulting from successful execution of the stockpile surveillance program and a robust scientific and engineering understanding for the delivery of the annual stockpile assessment.
- CF-1.3 Execute deliveries for the stockpile work to meet limited-life component exchanges, and dismantlements.
- CF-1.4 Demonstrate the application of new strategies, technologies, and scientific understanding to support stewardship of the existing stockpile and future stockpile needs.
- CF-1.5 Sustain and strengthen unique science and engineering capabilities, facilities and essential skills to ensure current and future Nuclear Weapons mission requirements will be met.
- CF-1.6 Execute W78/88-1 phase 6.2 activities, B61-12 phase 6.3 activities, and W88 ALT 370 phase 6.3 activities in accordance with the NNSA approved schedules.

#### Site Specific Outcomes:

- SSO1.1: Demonstrate the Tritium Programs Earned Value Management System
  (EVMS) (or comparable system) is implemented consistent with the B61 Project
  Control Systems Description and Implementation Schedule. Establish a site
  performance baseline and submit monthly project and earned value reporting
  consistent with NA-191 program management requirements. Sites are allowed to
  tailor EVMS implementation to account for program complexity, cost, and risks,
  subject to approval of the Federal Program Manager.
- SSO 1.2: Demonstrate the Tritium programs EVMS (or comparable system) is implemented consistent with the W78/88-1 Project Control Systems Description and Implementation Schedule. Sites are allowed to tailor EVMS implementation to account for program complexity, cost, and risks, subject to approval of the Federal Program Manager.

# PO-2: Broader National Security Mission – NA-2 & FOM - (At-Risk Fee: 12.5%) Successfully execute authorized broader national security mission work to include the Non-Proliferation, Emergency Operations and Counterterrorism missions as well as high-impact interagency work. Integrate across the Plant, while maintaining an NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-2.1 Support efforts to remove, eliminate and minimize the use of proliferationsensitive materials.
- CF-2.2 Support efforts to safeguard and secure materials, technologies, and facilities.
- CF-2.3 Support efforts to detect and prevent the illicit trafficking of nuclear/radiological materials, technology, information and expertise.
- CF-2.4 Provide R&D technology solutions for treaty monitoring, minimizing the use of proliferation-sensitive materials, and the application of safeguards and security.
- CF-2.5 Provide unique technical/policy solutions and develop programs/strategies to reduce nuclear/radiological dangers.
- CF-2.6 Demonstrate effective operations and implementation of policy for mission success in support of emergency management, incident response and nuclear forensics mission support capability.
- CF-2.7 Sustain and improve nuclear counterterrorism and counterproliferation science, technology, and expertise.
- CF-2.8 Pursue and perform high-impact interagency work that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of future national security mission requirements.
- CF-2.9 Accomplish work within the budget profile, scope, cost, schedule, quality and risk negotiated with the program sponsors or partners.

#### Site Specific Outcome:

- SSO 2.1: Perform activities necessary in H-Canyon and HB-Line to produce plutonium oxide analyzed to be acceptable feedstock from non-pit plutonium currently stored in K-Area, in accordance with the requirements contained in the FY 14 Work Authorization and Execution Plan.
- SSO 2.2: Perform plutonium feed material characterization activities in accordance with the NNSA-approved plan for the non-pit plutonium material (AFS-1 and AFS-2) currently stored at SRS to demonstrate acceptability as feedstock and to support aqueous blend strategies in H-Canyon during operations. [MIFT Scope]

## PO-3: Science, Technology, and Engineering (ST&E) and Other DOE Mission Objectives - NA-1.1 & FOM - (At-Risk Fee: 12.5%)

Successfully advance national security missions and advance the frontiers of ST&E in accordance with budget profile, scope, cost, schedule and risk while achieving the expected level of quality. Execute other DOE Mission Objectives for programs such as Environmental Management in accordance with the budget profile, scope, cost and schedule. Effectively manage Plant Directed Research and Development Programs (PDRD) to advance the frontiers of ST&E. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-3.1 Implement a research strategy that is clear and aligns discretionary investments (e.g., PDRD) with the research strategy and support DOE/NNSA priorities.
- CF-3.2 Ensure that research is relevant, enables the national security missions, and benefits DOE/NNSA and the nation.
- CF-3.3 Ensure that research is transformative, innovative, leading edge, high quality, and advances the frontiers of science and engineering.
- CF-3.4 Maintain a healthy and vibrant research environment that enhances technical workforce competencies and research capabilities.
- CF-3.5 Perform research to accomplish the high priority, multi-year research objectives, advance ST&E, and develop technologies for the public good through technology transfer.
- CF-3.6 Pursue and perform high impact work that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of future national security mission requirements.
- CF-3.7 Accomplish work within the budget profile, scope, cost, schedule, risk, and quality negotiated with the program sponsors or partners.

#### Site Specific Outcome:

None

Contract No. DE-AC09-08SR22470 Modification No. 0451 Revision 3

# PO-4: Operations & Infrastructure – NA-3 & FOM - (At-Risk Fee: 25%)

Effectively and efficiently manage the safe & secure operations of the Plant while maintaining an NNSA enterprise-wide focus; demonstrate accountability for mission performance and management controls; assure mission commitments are met with high-quality products and services; and maintain excellence as a 21<sup>st</sup> century government-owned, contractor-operated facility.

#### Contributing Factors:

- CF-4.1 Deliver effective, efficient, and responsive environment, safety and health (ES&H) management and processes.
- CF-4.2 Accomplish capital projects in accordance with scope, cost, and schedule baselines.
- CF-4.3 Deliver effective, efficient, and responsive physical, information and cyber security management and processes.
- CF-4.4 Maintain, operate and modernize the DOE/NNSA facilities, infrastructure, and equipment in an effective, energy efficient manner; including disposition of unneeded infrastructure and excess hazardous materials.
- CF-4.5 Deliver efficient, effective and responsible business operations and systems.
- CF-4.6 Deliver efficient and effective management of legal risk and incorporation of best legal practices.

#### Site Specific Outcome:

- SSO 4.1: Execute funded scope in support of the Tritium Responsive Infrastructure Modifications (TRIM) Program objectives, including up-front planning for the Tritium Centric Operations Project (TCOP) line item, per the FY14 Work Authorization and Execution Plan (WAEP).
- SSO 4.2: Complete construction and initiate startup testing of the Waste Solidification building project in accordance with approved cost and schedule baselines and related work scope as defined in the FY14 WAEP.

Contract No. DE-AC09-08SR22470 Modification No. 0451 Revision 3

#### PO-5: Leadership -NA-1 & FOM - (At-Risk Fee: 25%)

Successfully demonstrate leadership in supporting the direction of the overall DOE/NNSA mission, the responsiveness of the SRNS leadership team to issues and opportunities for continuous improvement internally and across the Enterprise, and parent company involvement/commitment to the overall success of the Plant and the Enterprise.

#### **Contributing Factors:**

- CF-5.1 Define and implement a realistic strategic vision for the Plant, in alignment with the NNSA Strategic Plan, which demonstrates enterprise leadership and effective collaborations across the NNSA enterprise to ensure DOE/NNSA success.
- CF-5.2 Promote a culture of critical self-assessment and transparency across all areas; instill a culture of accountability, responsibility, and performance through the entire organization; and coordinate/communicate these key issues and concerns to DOE/NNSA leadership.
- CF-5.3 Demonstrate performance results through the institutional utilization of the Management Assurance System and the leveraging of parent company resources and expertise.
- CF-5.4 Work selflessly within the DOE/NNSA complex to develop, integrate, and implement enterprise solutions that maximize program outputs at best value to the government; identify innovative business and management solutions that greatly improve enterprise-wide efficiencies.
- CF-5.5 Exhibit professional excellence in performing roles/responsibilities while pursuing opportunities for continuous learning.

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CODE 798861048	FACILITY CODE		01/10/2008						
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B THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTI			DMINISTRATIVE CHANGES (such as chang Y OF FAR 43 103(b)	ges in paying offi	70.				
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E. IMPORTANT: Contractor X is not.	is required to sign this docur	ment and return	O copies to the iss	uing office					
14 DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi KP/W/SR1-14, Rev 2, for Wor 1, hereto. Funds were previ B. This modification formal Authorization as part of the (May 2007), paragraph (b), t unilaterally shall become a C. The contract estimated y	fication is to in kforce Development ously de-obligated by incorporates and contract. As the work authorization of the contract of the contract.	ncorpor, nt for ded under the about stated nation, statet.	ate Contract Work Authored Feachers and Scientists of FINPLAN No. 10, for we referenced Contract under DEAR 970.5211-1 whether issued bilaters	orizations, see At Fiscal Y Work Work Auth	tachment ear 2014. norization				
Except as provided herein, all terms and conditions of the 15A NAME AND TITLE OF SIGNER (Type or print)		IA or 10A, as h		n full force and e	iffect				
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15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIG		UNITED STATES OF AMERICA  (Signature of Contracting Officer)	1	16C DATE SIGNED 04/23/2014				
NSN 7540.01.152.8070		<del></del>	(Signal of Contracting Officer)	STANDARDEC	RM 30 (REV. 10-83)				

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53 243

# Contract Work Authorization Supporting Documentation Index

Document No.	Work Proposal Number	Project Title
1	KL/W/SR1-14, Rev 2	Workforce Development for Teachers and Scientist (6 pages, DOE-SR generated form with reviewers and approval concurrence, (Ref: HQTS e-mail, dated 04/07/2014, KL Cert for Withdrawal, Funds were dede-obligated under FINPLAN #10 (Copy attached).

Note: Funding previously de-obligated under FINPLAN 10, FY 2014. The Contract Work Authorization was reviewed via DOE- SR Electronic System for Approval (the generated Contract Work Authorization with the reviewers and/or approvals concurrences is considered the validated signed copy by all parties, inclusive of the above supporting documentation for official contract file for Modification No. 0452/STRIPE Procurement System.

Technical POC

Work Authorization Number U.S. DEPARTMENT OF ENERGY Tracking Number **KLW/SR1-14** CONTRACT WORK AUTHORIZATION CWA-2014-00070 **Revision Number** If you need assistance with this form contact Belinda Beckum 5-5352 1c. Performing Organization SRNL SRNS 1a. Project Title: 1b. Work Proposal Number (if applicable): Workforce Development for Teachers and Scientists Various 2. Headquarters Program Point of Contact. Name: Patricia M. Dehmer Organization Code: SC-27 Telephone No.: 202-287-6490 3. Headquarters Budget Point of Contact. Name: Andrea Condrad Organization Code: SC-41 Telephone No.: 301-903-3310 4. Responsible Program: 5. Responsible Secretarial Officer: Workforce Development for tTeachers and Scientists Science 6. Responsible Field Organization U.S. Department of Energy (DOE), Savannah River Operations (SR) 7b. Contractor Point of Contact: 7a. Site and Facility Management Contractor: Savannah River Nuclear Solutions, LLC Name: John Temple Telephone No.: 803-952-7210 8. Work Authorization Number: 9. Revision Number:\* KL/W/SR1-14 10. Funds Authorized (See note below) This is a deobligation of funds from this account. **B&R Code** Agreement / Project # Project Value Previous: Change: Current: 4/7/14 KL1001000 20,000.00 -20,000.00 0 11. Performance Period Covered by Funds. (See NOTE in 12. Work Start Date: 13. Expected Completion Date: block 10) From: 10/01/2013 To: 09/30/2014 10/01/2013 09/30/2014 14. Statement of Work (includes attachments) The FY 2014 Approved Funding Program provides funding to accomplish Workforce Development for Teachers and Scientists activities, generally consistent with the Field Work Proposal submissions and modifications and specific guidance provided by the enclosed memorandum. The Office of Workforce Development for Teachers and Scientists (WDTS) is committed to conducting work 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 WDTS managers and WDTS supported staff. Funds provided by WDTS will be applied as necessary to ensure that all WDTS activities are conducted safely and in an environmentally conscientious manner. Only work conducted in this way will be supported. The following are required for the Workforce Development for Teachers and Scientists program: analysis reports as produced, a fiscal year end report, and a final report. 15. Technical Point of Contact Name Title Fmail Phone Natalie Ferguson/SRNL/Srs SRS Technical Point of Contact natalie.ferguson@srnl.doe.gov (803) 725-2600 SRS Technical Point of Contact Manager Name Title Email Phone Steve Wach/SRNL/Srs SRS Technical Point of Contact Manager steve.wach@srnl.doe.gov (803) 725-3020 16. DOE-SR Program Point of 17. DOE-SR Field Budget Official 18. Contractor's Authorized 19. DOE Contracting Officer (or Contact Representative. delegated representative) Patrick Jackson/DOE/Srs Harold Nielsen/DOE/Srs John Temple/SRNS/Srs James Lovett/DOE/Srs

OE-SR Prog POC	DOE-SR Work		
	DOL-GIV WORK	Alimorization Program	
		Compliance Checksheet	- <del>-</del> -
roject Title		Work Authorization Number	
orkforce Develo	pment for Teachers and Scientists	KL/W/SR1-14	
Yes O No P	At a minimum, each work authorized title and reference to work proposal num	ation will contain the following information:  nber, if applicable	<u>·</u>
Yes O No H	eadquarters programmatic point of contact, or	ganization, and telephone number	
	eadquarters budget point of contact, organiza	tion code, and telephone number	
	esponsible program		
Yes O No R	esponsible program Secretarial Officer		
Yes O No R	esponsible field organization		
Yes O No R	esponsible contracting officer if different from	above	
Yes O No S	te/facility management contractor name, poin	t of contact, and telephone number	
Yes O No W	ork authorization number, with revision numb	er if applicable	
Yes O No B	udget and reporting code and funding level		<u> </u>
Yes O No D	ates for performance period, work start, and v	vork completion	<del></del> -
S	latement of work (see paragraph below)		
	eadquarters, field organization, contractor, an	d if involving changes to scope, schedule, or funding, cont	tracting officer
Yes O No R	eporting requirements, including (a) project m	anagement or status reports and (b) reports or publication if the public of the project results (e.g., scientific advances	s for the purpose or technical
	The statement of work will include	e the following information as appropriate:	•
Yes O No D	etailed statement of work to be performed or a e scope of work in detail	reference to a work proposal, project plan, or similar docur	ment describing
Yes O No R	equired milestone dates		
M	anagement	required by DOE O 241.1A, Scientific and Technical Infor	
		ets consistent with DOE G 120.1-5, Guidelines for Perform t will assist the contractor in the performance of the work.	ance
		ver's Comments	

Funding constrained: (Year constrained; CR; etc.) B9X0222 No Year Funds Office of Science, FY 2014 Budget Authority, FinPlan #10.

O 2-year money O 1-year money No year money O Free money

s this funding in the Fin Plan?	O Y O N
ecessary expense:	.72
1. Does the expenditure bear a logical relationship to the appropriation sought to be charged? In other words, does it must make a direct contribution to carrying out either a specific appropriation or an authorized agency function for which more general appropriations are available?	OYON
2. Is the expenditure prohibited by law?	OYON
3. Is the expenditure otherwise provided for, that is, is it an item that falls within the scope of some other appropriation or statutory funding scheme?	OYON

Contract Mod Admin

Contract Mod #	Attach Signed Mod
Mod 452	

Attachments

DOF

PKG KL W SR1-14 R1.pdf

Notify on Approval Lonnie Gordon/SRNL/Srs

General Comment

Subrisitted ittereby

04/09/2014 02:25:47 PM

Sharon Hunter

The funding was de-ob on finplan #10 and cert back to HQ sch.

Work Authorization: In Process									
Approvers	Title	Assigned	Received	Status Changed	Status				
John Temple	SRNS Contractor Auth Rep	04/10/2014 02:08:07 PM		04/10/2014 02:52:49 PM	Admin				
Lloyd Clevinger	Manager	04/10/2014 02:52:49 PM	04/11/2014 08:24:57 AM	04/11/2014 09:48:45 AM	Delegated				
James Lovett	DOE-SR Contract Officer	04/11/2014 09:48:48 AM	D4/17/2014 09:34:34 AM	04/22/2014 03:55:21 PM	Concur				
Christine Corbin	DOE-SR Contract Mod Admin	04/22/2014 03:55:24 PM							

Kathryn Davis	SRNS Contracts	04/23/2014 07:39:2	26 AM  -		Concur -
Previous Process -	Work Authorization: Appro	oved on 04/10/2014			
Approvers	Title	Assigned	Received	Status Changed	Status
Natalie Ferguson John Christian Patrick Jackson Harold Nielsen	Technical POC DOE-SR Work Auth Coordinator DOE-SR Program POC DOE-SR Field Budge Off	04/09/2014 01:48:18 PM 04/09/2014 02:25:08 PM 04/09/2014 02:29:27 PM 04/09/2014 03:14:06 PM	D4/09/2014 02:29:14 PM D4/09/2014 03:10:28 PM	04/09/2014 02:29:26 PM 04/09/2014 03:14:03 PM	Concur Concur

**Approver Comments** 

## Reviewers

Name	Date Time	Action
Sharon Hunter	4/9/2014 2:29:02 PM	Reviewed
Kathryn Davis	4/10/2014 2:07:47 PM	Reviewed





Attachment F

ALLOTTEE: 36 - Manager, Savannah River Operations Office

APPROPRIATION SYMBOL: 89X0222, General Science & Research Activities

MONTH AVAILABLE FOR AFP WITHDRAWAL:

Apr-14

Request for Certification of Fund	Is Available for Withdrawal
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PROGRAM OFFICE - AUTHORIZED

APPROVING OFFICIAL: Kurt Hahn, Team Leader PHONE: 301-903-9329 DATE: ROUTING SYMBOL: SC-41

(SIGNATURE)

PREPARER : Andrea Condrad PHONE: 301-903-3310 FAX: 301-903-9524 ROUTING SYMBOL: SC-41

(CONTACT FOR ANY PROBLEMS) (NAME PRINTED)

	CHE	CK ONE		STARS REPT ENTITY	(REPO	RT LEVEL)				
APPROP YEAR	AFP CHG ONLY	DE- ALLOCATED	STARS FUND CODE		LEGACY B&R	STARS PROGRAM VALUE	FUNDING SOURCE	REQUESTED WITHDRAWAL AMOUNT	CERTIFIED AMOUNT 1/	•
2014		Х	00500	410003	KL1001	2924406	NOA	\$ (20,000.00)	\$ (20,000.00)	
-					<u> </u>					
	10-11-11-11									

FOR CER	TIFYING OFFICE OF BUDGET AND ACCOUNTING USE ONLY		11
	CERTIFIED BY: JULIUA (SIGNATURE)	PHONE: 803 952-6479	DATE: 4/1/2014
NOTE:	Per dicussion back in March HQ provided \$20,000 to ORISE in the March AFP to Cover	SRNL SULI nc now HQ want to pull funding back from SRNL FY201	Per email from Andrea Condrad

1/ AN ASTERISK (\*) INDICATES FULL REQUESTED AMOUNT WAS NOT CERTIFIED. THIS COLUMN IS FOR USE BY BUDGET AND ACCOUNTING ONLY.

NOTE: Signed Certification of Funds Availability is to be forwarded to Funds Distribution and Control Team (FDCT), CF-32 with signed input works 1981/2012

Financial Plan Report - Detail

Suc SR

Page 1 of 10 Report RFP0001

Report Generated on, March 27, 2014 at 01-16:12 PM

## SR22470 - Savannah River Nuclear Solutions (SRNS)

Contract Modification Number: 0445 THRU 0447 Rpt Entity: SR Savannali River Nuclear Solutions, LLC

Financial Plan Number: 10

Rpt	Fund	Leg		Legacy	Obj.	Local			Legacy	Beginning		BA		Total
Entity	Code	FT	Program	B&R	Class	Lise	Project	WFO	Order Number	Uncosted Obs	Previous	Change	Revised	Available
410003	00500	WA	2924295	KC0202050	25400	0000000	0000000	0000000		79,237 81	169,000 00	138,000.00	307,000 00	386,237
AY 20	14 - For B&	R KC02	0205 for Agree	nent SCW-0090 s	h 3/25/14						5			
						Total	for Program	Parent/Contro	of Point: KC0200000	79,237 81	169,000 60	138,000.00	307,000 00	386,237.8
410003	00500	WA	2924406	KL 1001000	25400	0000000	0000000	0000000		1,135 69	20,000 00	20,000,00	0 00	1,135 6
AY 20	14 - Deob p	per Andri	ra condrad fund	ts going to ORISE	to cover S	RNL SULI e	rpenses for S	20.000 3/25/14						
						Total	for Program	Parent/Contro	ol Point: KL0000000	1,135.69	20,000.00	-20,000.00	0.00	1,135 6
410003	00500	WA	2924214	KP1702030	25400	0000000	0000000	0000000		145.891.07	84,000 00	137,000 00	221,000 00	366,891 0
AY 20	14 - For KP	170203	Agreement SC	W-0091 for \$82,00	00 and KP1	7203 Agreer	nent SCW-0	052 \$55,000 3/2	25/14 sch					
						Total	for Program	Parent/Contro	ol Point: KP0000000	145,891.07	84,000,00	137,000 00	221,000 00	366,691.0
								Total for F	und: 00500	226,264.57	273,000.00	255,000 00	528,000 00	754,264 57
410003	00900	TC	2220676	DP0904000	25400	0000000	0000000	0000000		754 394 21	5,952,000 00	-1.100,600.00	4,852,000 00	5,606,394.21
410003	00900	TC	2220676	DP0904000	32002	0410037	0000000	0000000		0.00	0 00	1,100,000.00	1,100,000 00	1,100,000 00
						Total	for Program	Parent/Contro	ol Point: DP0904000	754,394.21	5,952,000.00	0.00	5,952,000.00	6,705,394.21
410003	00900	TC	2222893	DP0908000	25400	0000000	0000000	0000000		0.00	12,700,000,00	6,260 978 00	6,439,022,00	6 439 022 00
410003	00900	TC	2222893	DP0908000	31003	0410000	0000000	0000000		0.00	0.00	1.500,000.00	1 500 000 00	1.500,000 00
410003	00900	TC	2222893	DP0908000	32002	0410037	0000000	0000000		0.00	0.00	5 000 000 00	5,000,000 00	5,000,000 00
						Total	for Program	Parent/Contro	ol Point: DP0908000	0.00	12,700,000 00	239,022.00	12,939,022 00	12,939,022 00
410003	00900	TC	2221618	DP1407010	25400	0000000	0000000	0000000		0.00	0.00	179,853 00	179,853 00	179,853 00
						Total	for Program	Parent/Contro	ol Point: DP1407000	0.00	0.00	179,853.00	179,853.00	179,853 00
410003	00900	TC	2221775	DP4015011	25400	0000000	0000000	0000000		246,495,96	1,305,000.00	-527,203,59	777,796 41	1,024,292 37
410003	00900	TC	2221785	DP4015032	25400	0000000	0000000	0000000		117 250 34	333,323 00	-3,000 00	330,323 00	447,573 34
410003	00900	TC	2221793	DP4015044	25400	00000000	0000000	0000000		0.00	21.676.61	68,323.39	90,000 00	90,000 00
410003	00900	TC	2221794	DP4015051	25400	0000000	0000000	0000000		44 269 77	520,000 60	373,000.00	893,000 00	937,269.77
						Total	for Program	Parent/Contro	ol Point: DP4000000	408,016 07	2,179,999 61	-88,850 20	2,091,119.41	2,499,135.48
410003	00900	TC	2222508	DP5502040	25400	0000000	0000000	0000000		162,480 11	139,870 00	215,130.00	355,000 00	517,480 11
						Total	for Program	Parent/Contro	ol Point: DP5502010	162,480 11	139,870 00	215,130 00	355,000 00	517,480.11
410003	00900	IC	2221070	FS2002000	25400	0000000	0000000	0000000		296,470.72	2 181 064 00	68,600.00	2,249,064 00	2,545,534.72
410003	00900	TC	2221070	FS2002000	32002	0410037	0000000	0000000		71,007 21	0.00	-68,600 00	-68,000.00	3,007.21
410003	00900	TC	2221079	FS2009000	25400	0000000	0000000	0000000		223 231 32	2.552,564 00	-36,151 00	2,516,413 00	2,739,644.32
						Total	for Program	Parent/Contro	ol Point: FS2000000	590,709 25	4,733,628 00	-36,151.00	4,697,477.00	5 288,186.25
410003	00900	TC	2222780	MB0206020	25400	0000000	0000000	0000000		1,085,633 97	2,781 189 30	1 028 862 70	3,810,052 00	4.895.685.97
						Total	for Program	Parent/Contro	Point: MB0206010	1,085,633.97	2,781,189.30	1,028,862 70	3,810,052 00	4,895,685.97
410003	00900	TC	2222788	MB0402000	25400	0000000	0000000	0000000		2.451,227.54	8,317,899.00	21,000.00	8,338,899 00	10,790,126 54
						Total	for Program	Parent/Contro	Point: MB0402000	2,451,227,54	8,317,899.00	21,000.00	8,338,899.00	10,790,126 54
410003	00900	TC	2222898	MB0410000	25400	0000000	0000000	0000000		0.00	15,882,103.00	2 288 897 00	18,171,000 00	18,171,000.00
mercanica.	N. C. C. C.		0.000.000.000	1/2( Temple ( 2017/2017 )	ACCRECATE .				Point: MB0410000	0.00	15,882,103 00	2,288,697.00	18,171,000 00	18,171,000.00

AMENDMENT OF SOLICITATION/MOD	AFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE	1
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	IA DE	QUISITION/PURCHASE REQ. NO.	IS PROJECT N	O. (If applicable)
		T. RE	20.0. HOTO CHOPAGE REG. RO.	J. FRWEUI N	v. (u <del>appucaoio)</del>
0.453 B. ISSUED BY CO	04/23/2014 ODE 00901	7 AF	MINISTERED BY (If other than Item 6)	CODE Inna	01
	00301			CODE 009	01
Savannah River Operations			annah River Operations		
U.S. Department of Energy		2	Department of Energy		
Savannah River Operations P.O. Box A			annah River Operations		
Aiken SC 29802			D. Box A sen SC 29802		
		1^-	27002		
B. NAME AND ADDRESS OF CONTRACTOR (No.,	stroot, county, State and ZIP Code)	(x) <sup>9</sup>	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOI	JUTIONS, LLC				
ttn: LLOYD CLEVINGER	30120113, 220	91	DATED (SEE ITEM 11)		
03 LAURENS ST SW					
IKEN SC 298012421					
			IA. MODIFICATION OF CONTRACT/ORDER I E-AC09-08SR22470	NO.	
		10	08. DATED (SEE ITEM 13)		
CODE 798861048	FACILITY CODE	<b>⊣</b> 1,	01/10/2008		
	11. YHIS ITEM ONLY APPLIES			-	
The above numbered solicitation is amended as				ended, [] is not	extended.
No Change to Accounting a	nd Appropriation Data		MODERS THE CONTRACTION OF MO AS OF	ESCRIBEN IM ITE	M 14.
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### A.1 Section H.14(e)(10) is revised as follows:

#### FROM:

#### H.14 EMPLOYEE COMPENSATION: PAY AND BENEFITS

- (e) Pension and Other Benefit Programs
  - (10) Each Contractor will respond to data calls issued through iBenefits, or its successor system.

TO:

- (e) Pension and Other Benefit Programs
  - (10) Each Contractor will respond to data calls issued through iBenefits, or its successor system.

The Contractor must provide actual and projected workforce reductions on an annual basis not later than March 15<sup>th</sup> of each year. The collection of Contractor workforce reduction data will be administered through the iBenefits system (<a href="https://ibenefits.energy.gov">https://ibenefits.energy.gov</a>) for the collection of the following:

Actual number of voluntary/involuntary separations for the prior Fiscal Year (FY) (that is, FY 20XX), and

Actual and projected number of voluntary/involuntary separations for the current year (that is, FY 20XX). Please include any actual separations that have already occurred in the current fiscal year.

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AMENDME	NT OF SOLICITATION/MODIFIC	ATION OF CONTRACT	·	1. CONTRACT ID CODE	[	PAGE OF PAGES
2. AMENDMEN	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	5. PRO	1 2 JECT NO. (If applicable)
0454		04/29/2014	14E	M001714	1	
6. ISSUED BY	CODE	00901	7. AC	MINISTERED BY (If other than Item 6)	CODE	00901
Savanna	h River Operations		Sav	annah River Operations		
	partment of Energy			5. Department of Energy		
	h River Operations			vannah River Operations		
P.O. Bo				D. Box A ken SC 29802		
urven 2	C 25002			ten 30 23002		
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) <sup>9/</sup>	A AMENDMENT OF SOLICITATION NO		
SAVANNAH	H RIVER NUCLEAR SOLUT	IONS. LLC	П			
	LOYD CLEVINGER		91	B. DATED (SEE ITEM 11)		
203 LAUF	RENS ST SW					
AIKEN SO	298012421		10	DA. MODIFICATION OF CONTRACT/ORDER N	IO.	
			×	E-AC09-08SR22470		
			L			
			10	DB. DATED (SEE ITEM 13)		
CODE 79	98861048	FACILITY CODE	1 1	01/10/2008		
		11. THIS ITEM ONLY APPLIES TO A				
	numbered solicitation is amended as set for	·				s not extended
		•		ition or as amended, by one of the following met eccipt of this amendment on each copy of the of		• •
separate let	tter or telegram which includes a reference	to the solicitation and amendment numb	ers. F	AILURE OF YOUR ACKNOWLEDGEMENT TO	BE REC	EIVED AT
				PECIFIED MAY RESULT IN REJECTION OF YO		
	s amendment you desire to change an offe tation and this amendment, and is received			by telegram or letter, provided each telegram o	r letter n	nakes reference
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	appropriation date, etc.) SET FORTH	TINTIEM 14, PURSUANT TO THE AUT	HURII	T OF FAR 43 103(b)		
	C THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO A	OHTU	RITY OF		
	D. OTHER (Specify type of modification					
<u> </u>	Section I, DEAR 5232	-4 Obligation of Fur	ids			
E. IMPORTAN		is required to sign this document an				
			-	solicitation/contract subject matter where feasil		_
	• •			funds to CLIN 0001 (Dep		
				Funds in the amount of \$		
	•	0001, thereby incre	asir	ng it from \$5,337,516,01	8.18	to
\$5,402,	848,720.27.					
				dule, Section B, Supplie		
and Pric	ce/Cost, paragraph B,	entitled "Obligatio	n oi	f Funds," is hereby revi	sed	to increase
the tota	al amount of funds ob	ligated to the contr	act	from \$6,737,244,362.01	to	
\$6,802,	577,064.10.					
C. The	contract estimated v	alue and all other t	erms	s and conditions remain	unch	anged.
Continu						
		e document referenced in Item 9A or 10		eretofore changed, remains unchanged and in fe		
15A. NAME A	ND TITLE OF SIGNER (Type or print)		16A	. NAME AND TITLE OF CONTRACTING OFFI	CER (Ty	pe or print)
			Ja	mes/Løvett	,	
15B. CONTRA	ACTOR/OFFEROR	15C. DATE SIGNED	16B	. UNITED STATES OF AMERICA	/	16C. DATE SIGNED
				Carel Try #01		04/30/2014
	(Signature of person authorized to sign)	*******		(Signature of Contracting Officer)		04/29/2014
NSN 7540-01-		•		s		D FORM 30 (REV. 10-83)
Previous edition	on unusable					l by GSA FR) 53.243

CONTINUES TION OFFEE	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0454	2	2

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	NOTE: FOR GOVERMENT USE ONLY, REPORTING OF FPDS				
	FROM STARS TO USA SPENDING - The Total				
	Obligated amount of \$6,802,577,064.10, includes				
	\$661,696.12 of Non-Appropriated funds,				
	Reimbursable Work Commercial.				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
		14EM001714	S. PROSECT NO. (III apparatio)
0455 8. ISSUED BY CODE	04/30/2014	7. ADMINISTERED BY (If other than Item 6)	CODE 00901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	00901	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t county State and 7/P Code)	(*) BA. AMENDMENT OF SOLICITATION NO.	
SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW		(X) BR. AMERICMENT OF SOCIALIZATION NO.	
AIKEN SC 298012421		x 10A. MODIFICATION OF CONTRACT/ORDER DE-AC09-08SR22470	l NO.
CODE 798861048	FACILITY CODE	01/10/2008	
	11. YRIS ITEM ONLY APPLIES TO	AMERITMENTS OF SOLICITATIONS	
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If received)	er already submitted, such change may be deprior to the opening hour and date spe	no made by telegram or letter, provided each telegram cifled.	
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDE	RS. IT MODIFIES THE CONTRACT/ORDER NO. AS I	DESCRIBED IN ITEM 14.
B. THE ABOVE NUMBERED CONTRAL eppropriation date, etc.) SET FORTH		E CHANGES SET FORTH IN ITEM 14 ARE MADE IN  I THE ADMINISTRATIVE CHANGES (such as change THORITY OF FAR 43.103(b).  AUTHORITY OF:	<del></del>
D. OTHER (Specify type of modification	endeuthority) 2-4 Obligation of Fu		
	is required to sign this document as		ring office
E. IMPORTANT: Contractor			
A. The purpose of this modi Commercial (Non-Appropriated amount of \$58,109.83 are he \$5,402,848,720.27 to \$5,402,	Funds)), in accordance reby obligated to CI		Funds in the
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,802,635,173.93.	entitled "Obligation	on of Funds," is hereby rev	vised to increase
C. The contract estimated v	alue and all other t	terms and conditions remain	unchanged.
Except as provided herein, all terms and conditions of the	he document referenced in Item 9A or 10	OA, as heretofore changed, remains unchanged and it	n full force and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)		18A. NAME AND TITLE OF CONTRACTING OF	FICER (Type or print)
		James Lovett	Λ
158. CONTRACTOR/OFFEROR	15C. DATE SIGNED	168. UNITED STATES OF AMERICA	18C. DATE SIGNED 04/30/2014
(Signature of person authorized to sign) NSN 7540-01-152-8070		(Signature of Contracting Officed	STANDARD FORM 30 (REV. 10-83)
Provious edition unusable		1	Prescribed by GSA FAR (48 CFR) 53.243

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE OF DE-AC09-08SR22470/0455
 PAGE OF DE-AC09-08SR22470/0455

NAME OF OFFEROR OR CONTRACTOR

A)	(B)	(C)	(D)	(E)	(F)
110					
	NOTE: FOR GOVERMENT USE ONLY, REPORTING OF FPDS FROM STARS TO USA SPENDING - The Total				
	Obligated amount of \$6,802,635,173.93, includes				
	\$719,805.95 of Non-Appropriated funds. The total				
	amount of Non-Appropriated funds increased by				
	\$58,109.83 this modification, form \$661,696.12 for a cumulative total of \$719,805.95 to-date.				
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	FOB: Destination				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAG	E OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	QUISITION/PURCHASE REQ. NO.	5. PROJEC	T NO. (# applicable)
0456	04/30/2014	14EN	1001714		
	00901	7. AD	MINISTERED BY (If other than Item 6)	CODE O	0901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav P.O	annah River Operations . Department of Energy annah River Operations . Box A en SC 29802	_	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	L county, State and ZIP Code)	(x) 94	L AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT: Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	IONS, LLC	× 10	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NE-AC09-08 SR22470  B. DATED (SEE ITEM 13)	ю.	
CODE 798861048	FACILITY CODE	7 10	01/10/2008		
	11. THIS ITEM ONLY APPLIES TO	AMEND	MENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF 6 virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If req	OFFERS PRIOR TO THE HOUR AND In already submitted, such change may diprior to the opening hour and date special of the opening hour and date special of the opening hour and date special of the opening hour and date special of the opening hour and date special of the opening the ope	DATE SF be made scified.	ECIFIED MAY RESULT IN REJECTION OF YO by telegram or letter, provided each telegram o	OUR OFFER	. If by s reference
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E. MIPORTANT: Contractor X is not.	is required to sign this document a		0 copies to the issuin	o office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION					
A. The purpose of this modi For Other Federal Agency), i \$3,090,729.75 are hereby ob 1) Department of Defense: \$ 2) Department of Homeland S 3) Department of Justice: 4) Department of State: \$4 5) Other: \$287,377.65 Continued	n accordance with Si ligated as cited be 6,000.00 ecurity: \$21,142.19 \$2,727,666.00 8,544.00	RNS Flow:	'INPLAN 11. Funds in the	amoun	t of
Except as provided herein, all terms and conditions of the	e document referenced in Item 9A or 1	0A, as ho	pretofore changed, remains unchanged and in fi	uli force and	effect.
15A. NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OFFI	CER (Type o	or print)
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED		mes Lovett  White States of Merica	(لـد	16C. DATE SIGNED
(Signature of person authorized to sign) NSN 7540-01-152-8070		—17	(Signature of Contracting Office)	ZAMOARO :	ORM 30 (REV. 10-83)
NSN 7540-01-152-8070 Previous edition unusable				rescribed by	

Prescribed by GSA FAR (48 CFR) 53.243

CONTINUIATION SUFER	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	OF.
CONTINUATION SHEET	DE-AC09-08SR22470/0456	2	2

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	CLIN 0001 total obligated amount is increased	ŀ			
	from \$5,402,906,830.10 to \$5,405,997,559.85.				
	B. As a result of this modification, Part I -				
	Schedule, Section B, Supplies or Services and	ł ,	ł		
	Price/Cost, paragraph B, entitled "Obligation of		ΙÌ		
	Funds," is hereby revised to increase the total	ì			
	amount of funds obligated to the contract from	Ĭ	i		
	\$6,802,635,173.93 to \$6,805,725,903.68.	Ì			
	C. The contract estimated value and all other				
	terms and conditions remain unchanged.	J .			
	toring and conditions remain unchanged.				
	D. In addition the "Note," on modification 0455	}			
	is restated to correct clerical errors in the	1			
	last sentence (to add "for" and correct "form to	[	ĺĺ	ì	
	read from".				
	NOMB. FOR COMPRISE HER AND BRANKING OF THE				
	NOTE: FOR GOVERMENT USE ONLY, REPORTING OF FPDS	1	l l		
	FROM STARS TO USA SPENDING - The Total				
	Obligated amount of \$6,802,635,173.93, includes				
	\$719,805.95 of Non-Appropriated funds. The total		i		
	amount of Non-Appropriated funds increased by	ł	i		
	\$58,109.83 for this modification, from				
	\$661,696.12 for a cumulative total of \$719,805.95				
	to-date.	J .			
	FOB: Destination				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF C	ONTRACT		1. CONTRACT ID CODE	PAGE 1	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
0457	05/05/20	014				
6. ISSUED BY CODE	00901		7. ADI	INISTERED BY (if other than Item 6)	CODE 00	901
Savannah River Operations			Sava	nnah River Operations		
U.S. Department of Energy				Department of Energy		
Savannah River Operations				nnah River Operations		
P.O. Box A				. Box A		
Aiken SC 29802			A1 K	en SC 29802		
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Code) (3	x) BA	AMENDMENT OF SOLICITATION NO.	_	<del> </del>
CAUANNAU DIUPD MUCIPAD COIUM	TONE TTO	Ţ	1			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER	TOMS, PPO	1	98.	DATED (SEE ITEM 11)		
203 LAURENS ST SW						
AIKEN SC 298012421		L		·		
				L MODIFICATION OF CONTRACT/ORDER N -AC09-08SR22470	<b>D</b> .	
			-			
			100	. DATED (SEE ITEM 13)		
CODE 798861048	FACILITY COL	DE	0	1/10/2008		
	11. THIS ITE	M ONLY APPLIES TO AN	KENDA	ENTS OF SOLICITATIONS		
The above numbered solicitation is amended as set fi	orth in Item 14. T	he hour and date specifie	d for re	ceipt of Offersis exten	dod, 🔲 ls n	ot extended.
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF	OFFERS PRIOR	TO THE HOUR AND DA	TE SPI	ECIFIED MAY RESULT IN REJECTION OF YO	FUR OFFER.	if by
virtue of this amendment you desire to change an offi	er already submit	ted, such change may be	made l			-
to the solicitation and this amendment, and is receive  12. ACCOUNTING AND APPROPRIATION DATA (If re-		ing four and date specifi	ю.			
No Change to Accounting and	• • •	ation Data				
13. THIS ITEM ONLY APPLIES TO N	ODIFICATION O	F CONTRACTS/CRDERS	. IT M	DDIFTES THE CONTRACT/ORDER NO. AS DE	SCRIBED (N I	EM 14.
					· · · · · · · ·	
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE (	CHANG	ES SET FORTH IN ITEM 14 ARE MADE IN TO	HE CONTRAC	ন
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	CT/ORDER IS M H IN ITEM 14, PL	ODIFIED TO REFLECT T JRSUANT TO THE AUTH	HE AD	MINISTRATIVE CHANGES (such as changes of FAR 43.103(b).	in paying offic	<b>)</b> ,
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED	INTO PURSUANT TO AU	THOR	TY OF:		
D. OTHER (Specify type of modification	end euthority					
X Section I, DEAR 970	••	ork Authoriza	atio	n (Mav 2007)		
			return	O copies to the issuinc	office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION						_
A. The purpose of this modi		=	_			tions
listed below:		•				
1) No. HQ091101-14, Rev 4,	for Adva	nced Simulati	.on	Capability for Environm	ental M	anagement
(See Attachment 1, A)						
2) No. HQTD1002-14, Rev 2,	for Alt	ernative Wast	e P	retreatment (See Attach	ment 1,	B)
3) No. SR071801-14, for Att	enuation	-Based Remedi	es	for the Subsurface Appl	ied Fie	ld
Research Initiative (ABRS AF	RI) (see	Attachment 1	-C)	· -		
4) No. HQ1001-14, Rev 5, fo	r Energy	Employees Oc	cup	ational Illness Compens	ation P	rogram
(EEOICPA) (see Attachment 1-			-	,		
5) No. IN14035-14, Rev 4, f	or Energ	y and Threat	(se	e Attachment 1-E)		
Continued	•			·		
Except as provided herein, all terms and conditions of t	ho document refe	orenced in Item 9A or 10A	, as he	retofore changed, remains unchanged and in A	ill force and ef	lect.
15A. NAME AND TITLE OF SIGNER (Type or print)			16A.	NAME AND TITLE OF CONTRACTING OFFIC	ER (Type or	orint)
			And	ela S. Morton		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		NITED STATES OF AMERICA		16C. DATE SIGNED
			17	Ime O M.		
(Signature of portion authorized to sign)	<del></del>		۱–۲	(Signature of Contracting Officer)		05/06/2014

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0457	2	2

M NO.	SUPPLIES/SERVICES	QUANTITY	1	UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	6) No. HI-410003-14, Rev 5, for Fuel Cell		П		
	Technologies (see Attachment 1-F)		ll		
	7) No. SR091701-14, Rev 4, for In situ	ŀ	ŀ		
	Decommissioning Technology Development and		1		
	Demonstration (see Attachment 1-G)				
	8) No. PC410003-14, Rev 5, for Packaging and				
	Certification and Transportation Operations	ľ	1 1		
	Support (see Attachment 1-H)		ll		
	9) No. 410003-TS-14, Rev 5, for SRNL Technical				
	Support (see Attachment 1-I)	1			
	10) No. SS410225-14, Rev 1, for Strategic				
	National Laboratory Support (see Attachment 1-J)	Į.			
ĺ	11) No. HQTD1000-14, Rev 2, for Technical		i		
	Planning, Integration and Risk Management (see	Ì			
	Attachment 1-K)				
	12) No. HQTD1001-14, Rev 4, for Waste Retrieval				
	and Closure Technologies (see Attachment 1-L)				
	Thursday was a manufactural to a large and the same was a	i	1 1		
	Funds were previously allocated by separate modifications under FINPLAN No. 11, for Fiscal				
	Year 2014 (copy of FINPLAN provided, see	1	l i		
	Attachment M).				
	Accaciment My.	1	1	į	
	B. This modification formally incorporates the	į		ļ	
	above referenced contract work authorizations as				
	part of the contract. As stated under DEAR				
	970.5211-1 Work Authorization (May 2007),				
	paragraph (b), the work authorization, whether				
	issued bilaterally or unilaterally shall become a	ļ			
	part of the contract.	[	[ ]	ĺ	
	•	ļ			
	C. The contract estimated value and all other	i			
	terms and conditions remain unchanged.				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3 EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5 PROJECT NO. (If applicable)
0458	05/20/2014	25 Service Service (1906) 1 A 1 (25 Service August 1906) 1 (1906)	
6 ISSUED BY CODE	00901	7. ADMINISTERED BY (If other than Item 6)	CODE 00901
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	
8 NAME AND ADDRESS OF CONTRACTOR (No., stree		9A AMENDMENT OF SOLICITATION NO	
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		9B DATED (SEE ITEM 11)  * 10A MODIFICATION OF CONTRACT/ORDER 1 DE -AC 0 9 - 0 8 SR 2 2 4 7 0  10B DATED (SEE ITEM 13)	NO
CODE 798861048	FACILITY CODE	01/10/2008	
	11. THIS ITEM ONLY APPLIES T	O AMENDMENTS OF SOLICITATIONS	
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (If re No Change to Accounting and	OFFERS PRIOR TO THE HOUR AND er already submitted, such change ma d prior to the opening hour and date si quired)  Appropriation Data		OUR OFFER. If by or letter makes reference
	CT/ORDER IS MODIFIED TO REFLE H IN ITEM 14, PURSUANT TO THE A	THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN  COT THE ADMINISTRATIVE CHANGES (such as change AUTHORITY OF FAR 43 103(b)  O AUTHORITY OF	
D OVUED CO. LA LA LA			
D. OTHER (Specify type of modification		122120 70071	
X   Section I, DEAR 970			
E. IMPORTANT: Contractor X is not.	s required to sign this document		1/2-
A. The purpose of this modi listed below:	fication is to inco	s, including solicitation/contract subject matter where leas orporate the contract work as ciences - Energy Frontier Res	uthorizations
(see Attachment 1-A)	buote mistaly of	arenesa musedl transport per	
2) No. IN14013-14, Rev 4, f	or Energy and Threa	at (see Attachment 1-B)	
		nologies (see Attachment 1-C)	)
PRO MARCH RANGEMENTO CONTRACTOR PROPERTY AND A	CARE SECTIONS IN STREET	and the second s	
Funds were previously alloca Fiscal Year 2014 (copy of FI		odifications under FINPLAN to Attachment 1-D).	No. 11, for
Continued			
	he 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 OFF	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	Angela S. Morton  168 UNITED STATES OF AMERICA  UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	05/27/2014
			STANDARD FORM 20 (DEV. 10 93)

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

CONTINUES TION OFFEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0458	2	2

EM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE	AMOUNT (F)
	B. This modification formally incorporates the above referenced contract work authorizations as	(0)	(5)	(2)	
	part of the contract. 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.	 			
}					
				i	
				:	

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1 CONTRACT ID CODE	PAGE	PAGE OF PAGES		
2 AMENDMENT/MODIFICATION NO	3 EFFECTIVE DATE	1 050	UISITION/PURCHASE REQ. NO.	1 E PROJECT	2 NO. (If applicable)		
	SURVEY OF THE SURVEY OF THE SURVEY OF		001952	3. PROJECT	чо. (п вррпсвоге)		
0459 6 ISSUED BY CODE	05/27/2014		INISTERED BY (If other than Item 6)	CODE 00	101		
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	00901	Sava U.S. Sava P.O	nnah River Operations Department of Energy annah River Operations Box A en SC 29802	100			
A NAME AND ADDRESS OF SOUTDANTON		104	MENENENT OF FOLIOITATION NO				
8 NAME AND ADDRESS OF CONTRACTOR INC., stree SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		98. × 104	DATED (SEE ITEM 11)  MODIFICATION OF CONTRACT/ORDER -AC09-08SR22470	NO			
CODE 798861048	FACILITY CODE	0	1/10/2008				
	11. THIS ITEM ONLY APPLIES	TO AMENDM	ENTS OF SOLICITATIONS				
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is receive	pies of the amendment, (b) By acknown to the solicitation and amendment r OFFERS PRIOR TO THE HOUR AN er already submitted, such change m d prior to the opening hour and date	owledging rec numbers FA ND DATE SPE nay be made to	eipt of this amendment on each copy of the LURE OF YOUR ACKNOWLEDGEMENT TO COFFED MAY RESULT IN REJECTION OF	offer submitted, of OBE RECEIVED YOUR OFFER.	r (c) By AT I by		
12 ACCOUNTING AND APPROPRIATION DATA (If re	quired)	Net Inc	rease:	36,599,8	59.28		
ORDER NO IN ITEM 10A	CT/ORDER IS MODIFIED TO REFL H IN ITEM 14, PURSUANT TO THE IT IS ENTERED INTO PURSUANT	ECT THE AD AUTHORITY	ES SET FORTH IN ITEM 14 ARE MADE IN MINISTRATIVE CHANGES (such as change OF FAR 43 103(b) TY OF	000000000000000000000000000000000000000	x		
X Clause I 53 - DEAR	anthermanicovariants	ion of	Funds (Dec 2000)				
E. IMPORTANT: Contractor X is not.	is required to sign this documer	341 13 21	0 copies to the issui	na office			
14 DESCRIPTION OF AMENDMENT/MODIFICATION A. The purpose of this modi Energy (DOE)), in accordance are hereby obligated to CLIN \$5,442,597,419.13.	(Organized by UCF section heading fication is to obl with SRNS FINPLAN	gs, including s Ligate V 12. F	olicitation/contract subject matter where feat funds to CLIN 9001 (De ands in the amount of	sible) partment \$36,599,8			
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$6,842,325,762.96. C. The contract estimated v Continued	entitled "Obligat ligated to the con	tion of	Funds," is hereby rev from \$6,805,725,903.68	ised to :	ncrease		
Except as provided herein, all terms and conditions of t	ne document referenced in Item 9A c		The state of the s				
15A NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OFF rela S. Morton	FICER (Type or p	rint)		
15B CONTRACTOR/OFFEROR	15C DATE SIGNE	ED 168	JULY DINCE		05/27/2014		
(Signature of person authorized to sign)			(Signature of Contracting Officer)		COLLEGES		

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

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (	OF.
CUNTINUATION SHEET	DE-AC09-08SR22470/0459	2	2

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
(**)	FOB: Destination			(2)	(+)
		ï			

AMENDMENT OF SOLICITATION/MODIFIC		1. CONTRACT ID CODE	8500	PAGE OF PAGES				
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE		L QUISITION/PURCHASE REQ. NO.		T NO. (If applicable)			
0460	05/28/2014	14E	M001952					
6 ISSUED BY CODE	00901	7. AD	MINISTERED BY (If other than Item 6)	CODE 0	0901			
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802		U.S Sav P.O	rannah River Operation:  5. Department of Energy rannah River Operation:  7. Box A ren SC 29802	У				
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and ZIP Code)	(x) 9/	A. AMENDMENT OF SOLICITATION NO					
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421	× 10	98. DATED (SEE ITEM 11)  x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE -AC 0 9 - 0 8 SR 2 2 4 7 0						
CODE 700961049	FACILITY CODE		DB DATED (SEE ITEM 13) 01/10/2008					
798861048	11. THIS ITEM ONLY APPLIES							
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (If re	er already submitted, such change mad prior to the opening hour and date equired)	nay be made specified Net In		\$454,78	s reference			
		1000 PE 10000 - PE 1000			verse transference transference			
A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A	PURSUANT TO: (Specify authority)	THE CHAN	IGES SET FORTH IN ITEM 14 ARE MADE	IN THE CONTR	ACT			
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	CT/ORDER IS MODIFIED TO REFLE H IN ITEM 14, PURSUANT TO THE	ECT THE A AUTHORIT	DMINISTRATIVE CHANGES (such as char Y OF FAR 43.103(b)	nges in paying of	fice.			
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED INTO PURSUANT 1	TO AUTHO	RITY OF					
D. OTHER (Specify type of modification	and authority)							
X Clause I 53 - DEAR	970.5232-4 Obligati	ion of	Funds (Dec 2000)					
E. IMPORTANT: Contractor X is not.	is required to sign this documen	nt and retur	n 0 copies to the is	suing office				
A. The purpose of this modification A. The purpose of this modification Commercial (Non-Appropriated amount of \$454,784.92 are 1 \$5,442,597,419.13 to \$5,443,	fication is to oblid Funds)), in accordereby obligated to	ligate rdance	funds to CLIN 0001 (R with SRNS FINPLAN 12.	teimbursa Funds i	n the			
B. As a result of this modi	fication. Part T -	- Sche	dule, Section B. Suppl	ies or s	ervices			
and Price/Cost, paragraph B,								
the total amount of funds of								
\$6,842,780,547.88.								
C. The contract estimated v	alue and all other	r term	s and conditions remai	n unchan	ged.			
Except as provided herein, all terms and conditions of t	he document referenced in Item 9A c	or 10A, as h	eretofore changed, remains unchanged and	in full force and	effect.			
15A. NAME AND TITLE OF SIGNER (Type or print)		-V-03876	A. NAME AND TITLE OF CONTRACTING C	OFFICER (Type	or print)			
			ngela S. Morton					
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNE	ED 16E	Chyole O Nw		05/28/2014			
(Signature of person authorized to sign)		-	(Signature of Contracting Officer)		INDUSTRICTURE INTERPRETATION			
NSN 7540-01-152-8070 Previous edition unusable				STANDARD I Prescribed by FAR (48 CFR				

CONTINUATION OUTET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0460	2	2

TEM NO (A)	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	NOTE: FOR GOVERMENT USE ONLY, REPORTING OF FPDS				
	FROM STARS TO USA SPENDING - The Total		f f	1	
	Obligated amount of \$6,842,780,547.88, includes				
	\$454,784.92 of Non-Appropriated funds. The total				
	amount of Non-Appropriated funds increased by			ŀ	
	\$454,784.92 for this modification, from		1 1		
	\$719,805.95 for a cumulative total of	ŀ			
	1,174,590.87 to-date. FOB: Destination				
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SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  SAVANDAR RIVER OPERATIONS  A RIVER SC 29802  INMA AMENOMENTO FOUNDATION OF CONTRACTOR OF THE AMENOMENT OF SOUTHWATCHCHER NO 25804  SAVANDAR RIVER NUCLEAR SOLUTIONS, LLC  STANDARD RIVER NUCLEAR SOLUTIONS, LLC  THE AMENOMENT OF SOLUTION OF CONTRACTOR OF THE AMENOMENT OF SOLUTION OF CONTRACTOR OF THE AMENOMENT OF SOLUTION OF CONTRACTOR OF THE AMENOMENT OF SOLUTION OF CONTRACTOR OF CONTRACTOR OF THE AMENOMENT OF SOLUTION OF CONTRACTOR OF THE AMENOMENT OF SOLUTION OF CONTRACTOR OF THE AMENOMENT OF SOLUTION OF THE AMENOMENT OF SOLUTION OF THE AMENOMENT OF SOLUTION OF THE AMENOMENT	2. AMENDMENT/MODIFICATION NO.	3 EFFECTIVE DATE	4. REC	UISITION/PURCHASE REQ. NO.	5 PROJECT N	IO. (If applicable)
SAVANNAH RIVER Operations U.S. Department of Energy U.S. Department of Department of Energy U.S. Department of Homeland U.S. Department of Defense SESSO, 079, 00 U.S. Department of Homeland Security U.S. Department of Homeland Security U.S. Department of Homeland Security U.S. Department of Homeland Security U.S. Department of Homeland Security U.S. Department of Homeland Security U.S. Department of Homeland Security U.S. Department of Homeland Security U.	0461	05/28/2014	14EM	001952		
U.S. Department of Energy Savannah River Operations F.O. Box A Alken SC 29902  BRAMEAND ADDRESS OF CONTRACTOR (Mr. Invest Energy, Stee and 2P Cost)  BRAMEAND ADDRESS OF CONTRACTOR (Mr. Invest Energy, Stee and 2P Cost)  SAVANNAH RIVER NUCLEAR SOLUTIONS, LIC  Match: LLOYD CLEVINGER  SAVANNAH RIVER NUCLEAR SOLUTIONS, LIC  Match: LLOYD CLEVINGER  SAVANNAH RIVER OLDER (Mr. Investigation of a second of Department of Departme			7 ADN	MINISTERED BY (If other than Item 6)	CODE 009	01
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  RETH: LLOYD CLEVINGER  201 JALDENS ST SN  RIKEN SC 298012421    The Adole Process of the State o	U.S. Department of Energy Savannah River Operations P.O. Box A		U.S Sav P.O	. Department of Energ annah River Operation . Box A	ΙΥ	
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  Attn: LLOYD CLEVINGER  30 JAURENS ST 3W  RIKEN SC 298012421    The above numbered selectation is amended as set from in tent in 1.1 The hour and date specified in the selectation of SOLUTIONS   SOLUTIONS	8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and ZIP Code)	(v) 9A	AMENDMENT OF SOLICITATION NO.		
The above numbered solicitation is ammended as set forth in Rem 14. The hour and date specified for receipt of Offers  "It has alrow-kedge receipt of this ammended as set forth in Rem 14. The hour and date specified for receipt of Offers  "It has alrow-kedge receipt of this ammended as set forth in Rem 14. The hour and date specified in the solicitation or as ammended by one of the following methods: (a) By completing Items & and 15, and returning	Attn: LLOYD CLEVINGER 203 LAURENS ST SW	IONS, LLC	98 × 100	A MODIFICATION OF CONTRACT/ORD 2-AC09-08SR22470	ER NO	
□The above numbered solicitation is amended as set forth in Nem 14. The hour and date specified for receipt of Offers. □ seatended. □ s not extended. ○ the seatended. ○ the sum at 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 interns & and 15, and returning the seatended of the following methods (a) By completing separate letter or telegram which includes a reference to the solicitation and amendment numbers. FALURE OF YOUR ACKNOWLEDGEMENT OF BRECEIVED AT HER PLACE DESIGNATED FOR THE RECEIPT OF POTER PRIOR TO THE HOUR AND LOST SECURITY SECURITY IN THE SECURITY OF FORTER PRIOR TO THE HOUR AND LOST SECURITY SECURITY IN THE SECURITY OF FORTER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR OFFER THE SECURITY OF FORTER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR OFFER THE SECURITY OF YOUR ACKNOWLEDGEMENT OF BRECEIVED AT HER PLACE DESIGNATION OF YOUR OFFER THE SECURITY OF YOUR ACKNOWLEDGEMENT OF THE RECEIPT OF OFFER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR OFFER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR OFFER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR OFFER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR ACKNOWLEDGEMENT OF THE RECEIPT OF OFFER PRIOR TO THE HOUR AND LOST SECURITY OF YOUR ACKNOWLEDGEMENT OF THE ACKNOWLEDGEMENT OF T	CODE 798861048	FACILITY CODE	0	1/10/2008		
Continued and continued by the Continued of the continued of the Continued		11. THIS ITEM ONLY APPLI	IES TO AMENDA	MENTS OF SOLICITATIONS		
13. THIS LITEM ONLY APPLIES TO MODIFICATION OF CONTRACT/SORDERS. 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. NI TEM 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  D. OTHER (Specify type of modification and authority)  X. Clause I 53 - DEAR 970.5232-4 Obligation of Funds (Dec 2000)  E. IMPORTANT: Contractor  I. DESCRIPTION OF AMENDMENTANODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)  A. The purpose of this modification is to obligate funds to CLIN 0001 (Reimbursable Work For Other Federal Agency), in accordance with SRNS FINPLAN 12. Funds in the amount of \$1,982,421.44 are hereby obligated as cited below:  1) Department of Defense: \$250,079.00  2) Department of Bomeland Security: \$1,702,342.44  CLIN 0001 total obligated amount is increased from \$5,443,052,204.05 to \$5,445,034,625.49.  B. As a result of this modification, Part I - Schedule, Section B, Supplies or Services Continued  Except as provided breen, all terms and conditions of the document referenced in Item 9A or 10A. as herefore changed remains unchanged and in full force and effect 15A NAME AND TITLE OF SIGNER (Type or print)  Angela S. Morton  15B CONTRACTOROFFEROR  15C DATE SIGNED  15C	separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received	to the solicitation and amendme OFFERS PRIOR TO THE HOUR or already submitted, such chang d prior to the opening hour and d	ent numbers FA R AND DATE SP ge may be made	ILURE OF YOUR ACKNOWLEDGEMEN' ECIFIED MAY RESULT IN REJECTION O	T TO BE RECEIVED OF YOUR OFFER. If ram or letter makes re	AT by Iference
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, del) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43 103(6).  C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF  D. OTHER (Specify type of modification and authority).  X. Clause I 53 - DEAR 970.5232-4 Obligation of Funds (Dec 2000).  E. IMPORTANT: Contractor (is not.) is required to sign this document and return (in the purpose of this modification is to obligate funds to CLIN 0001 (Reimbursable Work For Other Federal Agency), in accordance with SRNS FINPLAN 12. Funds in the amount of \$1,982,421.44 are hereby obligated as cited below:  1) Department of Defense: \$230,079.00  2) Department of Defense: \$230,079.00  2) Department of Homeland Security: \$1,702,342.44  CLIN 0001 total obligated amount is increased from \$5,443,052,204.05 to \$5,445,034,625.49.  B. As a result of this modification, Part I - Schedule, Section B, Supplies or Services Continued  Except as provided heren, 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)  Angela S. Morton  15B. CONTRACTORIOFFEROR 15C. DATE SIGNED 16B (Agraeue of Contracting Officer) 05/28/200	12. ACCOUNTING AND APPROPRIATION DATA (If red	quired)	Net Inc	rease:	\$1,982,42	1.44
EIMPORTANT: Contractor    Sis not.   Sis not.   Sis not.   Sis not.   Sis required to sign this document and return   O   copies to the issuing office	B. THE ABOVE NUMBERED CONTRA- appropriation date, etc.) SET FORTI C THIS SUPPLEMENTAL AGREEMEN D OTHER (Specify type of modification	CT/ORDER IS MODIFIED TO RE HIN ITEM 14, PURSUANT TO T IT IS ENTERED INTO PURSUAL and authority)	EFLECT THE AC THE AUTHORITY	MINISTRATIVE CHANGES (such as cha OF FAR 43 103(b)		
A DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where leasable)  A. The purpose of this modification is to obligate funds to CLIN 0001 (Reimbursable Work For Other Federal Agency), in accordance with SRNS FINPLAN 12. Funds in the amount of \$1,982,421.44 are hereby obligated as cited below:  1) Department of Defense: \$280,079.00 2) Department of Homeland Security: \$1,702,342.44  CLIN 0001 total obligated amount is increased from \$5,443,052,204.05 to \$5,445,034,625.49.  B. As a result of this modification, Part I - Schedule, Section B, Supplies or Services Continued  Except as provided heren, 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)  Angela S. Morton 15B CONTRACTOR/OFFEROR 15C DATE SIGNED 16B UNITED STATES OF AMERICA 05/28/201	X   Clause I 53 - DEAR S	970.5232-4 Obliga	ation of	Funds (Dec 2000)		
A. The purpose of this modification is to obligate funds to CLIN 0001 (Reimbursable Work For Other Federal Agency), in accordance with SRNS FINPLAN 12. Funds in the amount of \$1,982,421.44 are hereby obligated as cited below:  1) Department of Defense: \$280,079.00 2) Department of Homeland Security: \$1,702,342.44  CLIN 0001 total obligated amount is increased from \$5,443,052,204.05 to \$5,445,034,625.49.  B. As a result of this modification, Part I - Schedule, Section B, Supplies or Services 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)  Angela S. Morton  15B. CONTRACTOR/OFFEROR  15C. DATE SIGNED  (Signature of person authorized to sign)  16D. DATE SIGNED  (Signature of Contracting Officer)  05/28/201	E. IMPORTANT: Contractor 🗓 is not.	is required to sign this docu	iment and return	Copies to the in	ssuing office	
B. As a result of this modification, Part I – Schedule, Section B, Supplies or Services  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)  Angela S. Morton  15B. CONTRACTOR/OFFEROR  15C DATE SIGNED  16B UNITED STATES OF AMERICA  (Signature of person authorized to sign)  16C DATE SIGNED  (Signature of Contracting Officer)	A. The purpose of this modi For Other Federal Agency), i \$1,982,421.44 are hereby ob 1) Department of Defense: \$	fication is to on accordance wit ligated as cited 280,079.00	obligate th SRNS F d below:	funds to CLIN 0001 (F	Reimbursabl	
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)  Angela S. Morton  15B. CONTRACTOR/OFFEROR  15C. DATE SIGNED  16B UNITED STATES OF AMERICA  (Signature of person authorized to sign)  16C. DATE SIGNED  (Signature of Contracting Officer)	CLIN 0001 total obligated am	ount is increase	ed from \$	5,443,052,204.05 to	\$5,445,034,	625.49.
15A NAME AND TITLE OF SIGNER (Type or print)  Angela S. Morton  15B. CONTRACTOR/OFFEROR  15C. DATE SIGNED  16B UNITED STATES OF AMERICA  (Signature of person authorized to sign)  16C. DATE SIGNED  (Signature of Contracting Officer)  16D UNITED STATES OF AMERICA  05/28/20:		fication, Part I	- Sched	ule, Section B, Supp	lies or Ser	vices
15B. CONTRACTOR/OFFEROR  15C. DATE SIGNED  16B UNITED STATES OF AMERICA  (Signature of person authorized to sign)  16C. DATE SIGNED  16C. DATE SIGNED  05/28/20:		he document referenced in Item	16A.	NAME AND TITLE OF CONTRACTING		the state of the s
(Signature of person authorized to sign) (Signature of Contracting Officer)	15B. CONTRACTOR/OFFEROR	15C DATE SI		^		16C. DATE SIGNED
STANDARD FORM 20 (REV. 10.93	(Signature of person authorized to sign)			(Signature of Contracting Officer)		Will waite fac.

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

CONTINUATION OFFEE	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	OF .
CONTINUATION SHEET	DE-AC09-08SR22470/0461	2	2

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	and Price/Cost, paragraph B, entitled "Obligation		╁╌┤		
	of Funds," is hereby revised to increase the				
	total amount of funds obligated to the contract				
	from \$6,842,780,547.88 to \$6,844,762,969.32.				
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	C. The contract estimated value and all other		1 1		
	terms and conditions remain unchanged.	1	Ιi		
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT  2 AMENDMENT/MODIFICATION NO  3 EFFECTIVE DATE  05/29/2014  05/29/2014  00901  Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  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  CODE 798861048  FACILITY CODE  11 THIS ITEM ONLY AP	4 REQUISITION/PURCHASE REO NO.   5 PROJECT NO. (If applicable)  7 ADMINISTERED BY (If other than Item 6)   CODE   00901  Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  (x)   9A AMENDMENT OF SOLICITATION NO  9B DATED (SEE ITEM 11)  x   10A MODIFICATION OF CONTRACT/ORDER NO DE-AC09-08SR22470
0462 6 ISSUED BY CODE 00901  Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29902  8 NAME AND ADDRESS OF CONTRACTOR (No. street county, State and 2/P Code)  SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421  CODE 798861048  FACILITY CODE	7 ADMINISTERED BY (If other than Item 6) CODE 00901  Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  9B DATED (SEE ITEM 11)  x 10A MODIFICATION OF CONTRACT/ORDER NO DE-AC09-08SR22470
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  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  CODE 798861048  FACILITY CODE	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  BB DATED (SEE ITEM 11)  X 10A MODIFICATION OF CONTRACT/ORDER NO DE-AC09-08SR22470
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  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  CODE 798861048  FACILITY CODE	Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  BB DATED (SEE ITEM 11)  X 10A MODIFICATION OF CONTRACT/ORDER NO DE-AC09-08SR22470
U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  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  CODE 798861048  FACILITY CODE	U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  BB DATED (SEE ITEM 11)  X 10A MODIFICATION OF CONTRACT/ORDER NO DE-AC09-08SR22470
Savannah River Operations P.O. Box A Aiken SC 29802  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  CODE 798861048  FACILITY CODE	Savannah River Operations P.O. Box A Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  BB DATED (SEE ITEM 11)  X 10A MODIFICATION OF CONTRACT/ORDER NO DE -AC09-08SR22470
P.O. Box A Aiken SC 29802  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  CODE 798861048  FACILITY CODE	P.O. Box A Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  BB DATED (SEE ITEM 11)  X 10A MODIFICATION OF CONTRACT/ORDER NO DE -AC09-08SR22470
Aiken SC 29802  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  CODE 798861048  FACILITY CODE	Aiken SC 29802  (x) 9A AMENDMENT OF SOLICITATION NO  9B DATED (SEE ITEM 11)  X 10A MODIFICATION OF CONTRACT/ORDER NO DE -AC09-08SR22470
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  CODE 798861048 FACILITY CODE	98 AMENDMENT OF SOLICITATION NO  98 DATED (SEE ITEM 11)  100 MODIFICATION OF CONTRACT/ORDER NO DE -AC09-08SR22470
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421  CODE 798861048 FACILITY CODE	9B DATED (SEE ITEM 11)  10A MODIFICATION OF CONTRACT/ORDER NO DE -AC09-08 SR22470
Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421  CODE 798861048 FACILITY CODE	x 10A MODIFICATION OF CONTRACT/ORDER NO DE -AC09-08SR22470
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CODE 798861048 FACILITY CODE	* DE-AC09-08SR22470
793361043	* DE-AC09-08SR22470
793361043	10B DATED (SEE ITEM 13)
793361043	
11 THIS ITEM ONLY AD	01/10/2008
TI. THO TIEM ONLY API	APPLIES TO AMENDMENTS OF SOLICITATIONS
Items 8 and 15, and returning copies of the amendment; (b) By	pecified in the solicitation or as amended, by one of the following methods: (a) By completing By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By Indignate the submitted of YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT
	INDICATED BY THE PROPERTY OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT 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 cha	hange 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	and date specified
12 ACCOUNTING AND APPROPRIATION DATA (# required)  No Change to Accounting and Appropriation	Data
	ACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.
	ACTORDERO. TO INDUSTRIES OF TRACTION DELICATED IN THE INTERIOR
CHECK ONE A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify Built ORDER NO IN ITEM 10A	uthonly) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT
B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO	TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, TO THE AUTHORITY OF FAR 43 103(b).
C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSU	SUANT TO AUTHORITY OF
D. OTHER (Specify type of modification and authority)	
X   Section I, DEAR 970.5211-1 Work Au	
E. IMPORTANT: Contractor (X) is not. (1) is required to sign this do	
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section h	
A. The purpose of this modification is to	o input Attachment 1, Contract Work Authorization
	velopment for Teachers and Scientists in the
No. KP/W/SR1-14, Rev 2, for Workforce Deve	
	omitted under Mod 0452, copy attached hereto.
	omitted under Mod 0452, copy attached hereto.
STRIPES Procurement System, inadvertently o	omitted under Mod 0452, copy attached hereto.
STRIPES Procurement System, inadvertently of B. The contract estimated value and all of	other terms and conditions remain unchanged.
STRIPES Procurement System, inadvertently of B. The contract estimated value and all of Note: Modification 0452, e-mail distribution	
STRIPES Procurement System, inadvertently of B. The contract estimated value and all of Note: Modification 0452, e-mail distribution	other terms and conditions remain unchanged.
STRIPES Procurement System, inadvertently of B. The contract estimated value and all of Note: Modification 0452, e-mail distribution	other terms and conditions remain unchanged.
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STRIPES Procurement System, inadvertently of B. The contract estimated value and all of Note: Modification 0452, e-mail distribution	other terms and conditions remain unchanged.
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STRIPES Procurement System, inadvertently of B. The contract estimated value and all of Note: Modification 0452, e-mail distribution correct STRIPES omission only).	other terms and conditions remain unchanged.  tion included subject attachment (Mod issued to
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STANDARD FORM 30 (REV 10-83) Prescribed by GSA FAR (48 CFR) 53.243

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				ONTRACT	1 CONTRACT ID CODE			PAGE OF PAGES		
2. AMENDMEN	T/MODIFICATION NO		3 EFFECTIVE	DATE	4 R	EQUISITION PURCHASE REO NO	5 PRO	LECT NO MA	ppicable)	
0463			06/19/20	014	l			-		
8. ISSUED BY		CODE	00901		7.7	ADMINISTERED BY (if other than from 6)	CODE	7		
U.S. Dep		у								
8 NAME AND	ADDRESS OF CONTRACTOR (A	lo . street	county. State and	ZIP Code)	(x)	BA AMENDMENT OF SOLICITATION NO		·		
u a un a u a g	RIVER NUCLEAR S	מינו זה	ONS III		٣					
	OYD CLEVINGER	05011	ONS, DEC	•		GB. DATED (SEE ITEM 11)				
203 LAUR	ENS ST SW									
AIKEN SC	298012421				X	10A. MODIFICATION OF CONTRACT/ORDER N DE-AC09-08SR22470	10			
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						100 DATED ICEG ITGAL 191				
CODE 761	2041010		FACILITY COL	ne .	1	108. DATED (SEE ITEM 13)				
TODE 798861048 FACILITY CODE					01/10/2008					
	umbered schedulion is amended					<del></del>		is not extend		
THE PLACE value of this inference to 12. ACCOUNT	DESIGNATED FOR THE RECEI amondmon! you desire to change the solicition and this emendming AND APPROPRIATION DAT ge to Accounting	PT OF O e an offer ent, and r A (if requ and	FFERS PRIOR aboady submit s meaved prior ired) Appropri	TO THE HOUR AND DA ted, such change may b to the opening hour and ation Data	ATE S o ma date	FAILURE OF YOUR ACKNOWLEDGEMENT TO SPECIFIED MAY RESULT IN REJECTION OF YO was by telegram or letter, provided each telegram or specified.  MODIFIES THE CONTRACT/ORDER NO. AS DE	OUR OFF or letter n	ER I/by nakes		
CHECK CHE	A THIS CHANGE ORDER IS IS ORDER NO IN ITEM 10A	SSUED P	URSUANT TO	(Spealy authority) THE	CH	NGES SET FORTH IN ITEM 14 ARE MADE IN T	HE CON	TRACT		
	B. THE ABOVE NUMBERED Co appropriation data, etc.) SET	ONTRAC FORTH	T/ORDER IS M IN ITEM 14, PU	ODIFIED TO REFLECT	THE	ADMINISTRATIVE CHANGES (such as changes ITY OF FAR 43.103(b)	w bohul	g office.		
	C THIS SUPPLEMENTAL AGR	EEMENT	IS ENTERED	NTO PURSUANT TO A	JTH	DRITY OF:	1		<del></del>	
	O OTHER (Specify type of mod	tification (	and authority)							
x	Section I, DEAR	970.	5211-1 W	ork Authoriz	at	ion (May 2007)				
E. IMPORTANT	: Contractor (E)	s not	is required t	o sign this document an	d reb	ornO copies to the issuin	g office.			
14 DESCRIPT	ION OF AMENDMENTAMODIFIC	ATION (	Organized by U	CF section headings, in	dudi	ng solicitation/contract subject maller where feasi	tio)		***************************************	
A. The listed b	• •	modi	fication	is to incor	poi	rate the contract work au	thor	izations	<b>}</b>	
•	SR071801-14, Rev Initiative (ABR	-				Remedies for the Subsurfa A)	ce A	pplied <b>S</b>	field	
2) No.	HQ1001-14, Rev 6	, fo	r Energy	Employees O	CCI	upational Illness Compens	atio	n Progra	ш	
-	) (See Attachmen									
	•	-	-	•		See Attachment 1, C)				
4) No.	SR091701-14, Rev	5,	for In S	itu Decommis	si	oning Technology Developm	nent	and		
	ation (See Attac									
5) No. Continue	· ·	4, :	for Incr	eased Wasted	L	oading (See Attachment 1,	E)			
			document refe	renced in Item 9 A or 10		heretofore changed, remains unchanged and in				
15A. NAME AN	ID TITLE OF SIGNER (Type or p	rni)			ı	sa name and title of contracting offi ames. Lovett	CER (TH	pe or pnni)		
15B COMTRA	CTORVOFFEROR			15C DATE SIGNED		B UNITED STATES OF AMERICA		16C D/	ATE SIGNED	
.32 2011170					"	fine Loseth		1		
	Squebre of person authorized to sign	<del></del>	_		1	(Signature of Contracting Officer)		-   06	5/19/2014	
								10 FORM 20 10		

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53 243

		<u> </u>			
	REFERENCE NO. OF	JMENT BEING CONTINUED	Normal	PAGE	OF
CONTINUATION SHEET	DE-AC09-085k2	2470/0463		2	2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS. LLC

TEM NO	SUPPLIES/SERVICES	QUANTIT	UNIT	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	6) No. 13/CJ000/12/01/0, Rev 1, for SRNL -	<del>                                     </del>	+++		
	Reviewers for ARPA-E (See Attachment 1, F)	ļ	1 1		
	7) No. 410003-TS-14, Rev 6, for SRNL Technical		1 !		
	Support (See Attachment 1, G)	1	1		
	8) No. HQTD1000-14, Rev 3, for Technical				
			1 1		
	Planning, Integration and Risk Management (see Attachment 1-H)	]	] ]		
	9) No. HQTD1001-14, Rev 5, for Waste Retrieval	İ	ł I		
	and Closure Technologies (See Attachment 1-H)				
	Funds were previously allocated by separate				
	modifications under FINPLAN No. 12, for Fiscal				
	Year 2014 (copy of FINPLAN provided, see	ì	1 1		
	Attachment J).		1 1		
	B. This modification formally incorporates the			į.	
	above referenced contract work authorizations as				
	part of the contract. As stated under DEAR	Į.	1 1		
	970.5211-1 Work Authorization (May 2007),	İ			
	paragraph (b), the work authorization, whether	1		1	
	issued bilaterally or unilaterally shall become a		1 1		
	part of the contract.				
	C. The contract estimated value and all other		1 1	ł	
	terms and conditions remain unchanged.				
	Note: Reference Block 3, Effective Date, see				
	each Contract Work Authorization approval date by				
	the Contracting Officer.				
	the contracting officer.				
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AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		1 CONTRACT ID CODE	PAGE	OF PAGES
2 AMENDMENT/MODIFICATION NO	3. EFFECTIVE DATE	4 REC	DUISITION/PURCHASE REQ. NO.	5 PROJEC	T NO. (If applicable)
0464	06/18/2014	14EN	1002175		A 500
6 ISSUED BY CODE	00901	7 AD	MINISTERED BY (If other than Item 6)	CODE	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802				_	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	county, State and ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421  CODE 798861048 FACILITY CODE			DATED (SEE ITEM 11)  A MODIFICATION OF CONTRACT/ORDER 2-AC09-08SR22470  B DATED (SEE ITEM 13)	R NO.	
CODE 798861048	FACILITY CODE		1/10/2008		
	11. THIS ITEM ONLY APPLIES 1	and the second			
Offers must acknowledge receipt of this amendment plems 8 and 15, and returning consequence of the place of the place of the place of the place of the place of this amendment you desire to change an offer reference to the solicitation and this amendment, and	pies of the amendment, (b) By ackno to the solicitation and amendment in DEFERS PRIOR TO THE HOUR ANI r already submitted , such change m	owledging re numbers Fr D DATE SPI nay be made	ceipt of this amendment on each copy of the ALLURE OF YOUR ACKNOWLEDGEMENT ECIFIED MAY RESULT IN REJECTION OF by telegram or letter, provided each telegra	e offer submitted TO BE RECEIV YOUR OFFER	, or (c) By ED AT If by
12. ACCOUNTING AND APPROPRIATION DATA (If req.	pired) N	Net Inc	rease:	\$209,522	,423.45
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH C. THIS SUPPLEMENTAL AGREEMEN D. OTHER (Specify type of modification	CT/ORDER IS MODIFIED TO REFLE IN ITEM 14, PURSUANT TO THE A T IS ENTERED INTO PURSUANT TO and authority)	ECT THE AC AUTHORITY			
X   Clause I 53 - DEAR 9	70.5232-4 Obligati	ion of	Funds (Dec 2000)		
E.IMPORTANT: Contractor Elis not.  14 DESCRIPTION OF AMENDMENT/MODIFICATION  A. The purpose of this modi  Energy (DOE)), in accordance are hereby obligated to CLIN  \$5,654,557,048.94.	fication is to obl with SRNS FINPLAN	s including igate 113. F	solicitation/contract subject matter where fe funds to CLIN 0001 (Dounds in the amount of	epartment	2,423.45
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$7,054,285,392.77.	entitled "Obligat ligated to the con	ion of	Funds," is hereby re from \$6,844,762,969.3	vised to 2 to	increase
C. The contract estimated v Continued	alue and all other	terms	and conditions remai	n unchan	jea.
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document referenced in Item 9 A o	16A	eretofore changed, remains unchanged and NAME AND TITLE OF CONTRACTING O arlene Smith		
15B CONTRACTOR/OFFEROR	15C DATE SIGNE	383	JINITED STATES OF AMERICA	nice	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		6/17/14

STANDARD FORM 30 (REV 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

CONTINUESTICAL CHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	DE-AC09-08SR22470/0464	2	2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO	SUPPLIES/SERVICES	QUANTITY			AMOUNT
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AMENDMENT OF SOLICITATION/MODIFICA	ONTRACT		1. CONTRACT ID CODE	PA		PAGES	
2. AMENDMENT/MODIFICATION NO.	3 EFFECTIVE	DATE 4	REG	UISITION/PURCHASE REQ NO.	5 PROJ	JECT NO	2 (If applicable)
0465	06/19/20	)14  1	4 EM	002175			
6 ISSUED BY CODE	00901		7. ADN	INISTERED BY (If other than Item 6)	CODE	T	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802							
8. NAME AND ADDRESS OF CONTRACTOR (No., street	county, State and	ZIP Code)	() 9A.	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT:	IONS. I.I.C		4				
Attn: LLOYD CLEVINGER	, 220		98.	DATED (SEE ITEM 11)			
203 LAURENS ST SW							
AIKEN SC 298012421		<del> </del> -	_ 10A	MODIFICATION OF CONTRACT/ORDER N	0.		
		×	DE	MODIFICATION OF CONTRACT/ORDER NO -AC09-085R22470			
				DATED (SEE ITSM 42)			
CODE 798861048	FACILITY COD	<u> </u>	- 1	DATED (SEE ITEM 13)			
798861048				1/10/2008			
☐ The above numbered solicitation is amended as set for				ENTS OF SOLICITATIONS  ceipt of Offers		is not ext	
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF O virtue of this amendment you desire to change an offee reference to the solicitation and this amendment, and 12 ACCOUNTING AND APPROPRIATION DATA (If requi	OFFERS PRIOR r already submitt is received prior	TO THE HOUR AND DAT ed , such change may be to the opening hour and d	E SPE made l ate spe	CIFIED MAY RESULT IN REJECTION OF YOU by telegram or letter, provided each telegram o cified.	UR OFFE	Rifby	72
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION O	F CONTRACTS/ORDERS.	IT MC	DIFIES THE CONTRACT/ORDER NO. AS DES	SCRIBED	IN ITEM 1	14.
CHECK ONE A THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE C	HANG	ES SET FORTH IN ITEM 14 ARE MADE IN TH	HE CONT	TRACT	
B THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS MO I IN ITEM 14, PU	DDIFIED TO REFLECT THE RSUANT TO THE AUTHO	HE ADI	ninistrative Changes (such as changes i OF FAR 43 103(b)	n paying (	office.	
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED I	NTO PURSUANT TO AUT	HORIT	Y OF:			
D OTHER (Specify type of modification	and authority)						
X Clause I 53 - DEAR 9	70.5232-	4 Obligation	of	Funds (Dec 2000)			
E. IMPORTANT: Contractor Sis not.	s required t	o sign this document and r	return	O copies to the issuing	g office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION		-	-				
A. The purpose of this modi							
Commercial (Non-Appropriated							
amount of \$3,986,556.72 are	=	•	CLI	N 0001, thereby increas	ing i	it fro	m
\$5,654,557,048.94 to \$5,658,	543,605.	66.					
B. As a result of this modi and Price/Cost, paragraph B, the total amount of funds ob \$7,058,271,949.49.  C. The contract estimated v Continued	entitle ligated alue and	d "Obligation to the contra all other te	of ct rms	Funds," is hereby revifrom \$7,054,285,392.77  and conditions remain	sed t	to inc	rease
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	- Joyaniani idia	TOTAL STREET, STATE TOTAL		NAME AND TITLE OF CONTRACTING OFFIC			
				rlene Smith		·	
15B CONTRACTOR/OFFEROR		15C DATE SIGNED	168	INITED STATES OF AMERICA	· /	160	DATE SIGNED
(Signature of person authorized to sign)			_	(Signature of Contracting Officer)		>   E	111114

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243 CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC09-08SR22470/0465

PAGE 2

OF 2

NAME OF OFFEROR OR CONTRACTOR

M NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
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	NOTE: FOR COVERNMENT HER ONLY PRESENTING OF THE				
	NOTE: FOR GOVERNMENT USE ONLY, REPORTING OF FPDS FROM STARS TO USA SPENDING - The Total Obligated	[		ſ	
	amount of \$7,058,271,949.49, includes				
	\$3,986,556.72 of Non-Appropriated funds. The				
	total amount of Non-Appropriated funds increased				
	by \$3,986,556.72 for a cumulative total of	j			
	\$5,161,147.59 to-date.				
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AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE	OF PAGES			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)			
1466	06/19/2014	14E	M002175					
ISSUED BY CODE	00901	7. At	MINISTERED BY (If other than Item 6)	CODE				
Savannah River Operations J.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802				9				
NAME AND ADDRESS OF CONTRACTOR (No., street,	county, Stale and ZIP Code)	(,,, 9	A. AMENDMENT OF SOLICITATION NO.					
		(x)						
AVANNAH RIVER NUCLEAR SOLUT:	IONS, LLC	0	B. DATED (SEE ITEM 11)					
ttn: LLOYD CLEVINGER 03 LAURENS ST SW		98. DATED (SEE ITEM TI)						
IKEN SC 298012421								
30		x 1	0A. MODIFICATION OF CONTRACT/ORDER DE-AC09-08SR22470	R NO.				
		1	OB. DATED (SEE ITEM 13)					
ODE 798861048	FACILITY CODE		01/10/2008					
	11. THIS ITEM ONLY APPLIES 1		PUL 201 RANG					
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe reference to the solicitation and this amendment, and 2. ACCOUNTING AND APPROPRIATION DATA (If registricts)	OFFERS PRIOR TO THE HOUR AND or already submitted , such change mais received prior to the opening hour	D DATE SF ay be mad and date s	PECIFIED MAY RESULT IN REJECTION OF e by telegram or letter, provided each telegra	YOUR OFFER I	by			
	IN IN	iec pe	Clease:	-91, /40,	379.20			
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORD	DERS. IT	MODIFIES THE CONTRACT/ORDER NO. AS	DESCRIBED IN I	TEM 14.			
A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority)	THE CHAN	IGES SET FORTH IN ITEM 14 ARE MADE II	N THE CONTRAC	ग			
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS MODIFIED TO REFLE H IN ITEM 14, PURSUANT TO THE A	CT THE A	DMINISTRATIVE CHANGES (such as chang Y OF FAR 43.103(b).	es in paying offic	9.			
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO	O AUTHO	RITY OF:	-				
D. OTHER (Specify type of modification	and authority)							
X Clause I 53 - DEAR 9	anna aramidi a eraa	on of	Funds (Dec 2000)					
. IMPORTANT: Contractor is not.	x is required to sign this documen	t and retur	n1 copies to the iss	uing office				
4 DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF section headings	s, including	solicitation/contract subject matter where fe	asible.)				
. The purpose of this modi	fication is to de-	oblig	ate funds from CLIN 000	01 (Reimb	ursable			
ork for Other Federal Agenc	ies), in accordanc	e wit	h SRNS FINPLAN 13, as	cited bel	ow:			
) Department of Homeland S	NATIONAL DESIGNATION OF STATE SECURIORS INTO SECURIOR SECURIORS	9.00)						
) Department of Justice: (								
) Environmental Protection	(T)							
) Executive Office of the	President: (-\$40,3	17.26	)					
		240	879.20), thereby decre	acina it	from			
		, 148,		asing it				
		, 148,		asing it				
\$5,658,543,605.66 to \$5,656, Continued	794,726.46.							
S5, 658, 543, 605.66 to \$5, 656,  Continued  Except as provided herein, all terms and conditions of the state of the s	794,726.46.	or 10A, as		in full force and e	iffect.			
The total amount of funds de \$5,658,543,605.66 to \$5,656,  Continued  Except as provided herein, all terms and conditions of the state of the st	794,726.46.	or 10A, as	heretofore changed, remains unchanged and	in full force and e	iffect.			
S5, 658, 543, 605.66 to \$5, 656,  Continued  Except as provided herein, all terms and conditions of the state of the s	794,726.46.	or 10A, as	heretofore changed, remains unchanged and A NAME AND TITLE OF CONTRACTING O	in full force and e	iffect.			

Prescribed by GSA FAR (48 CFR) 53.243

CONTINUATION SHEET	REFERENCE NO C UMENT BEING CONTINUED	PAGE (	)F
	DE-AC09-08Sk22470/0466	2	2

NAME OF OFFEROR OR CONTRACTOR

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
.)	(B)	(C)	(D)	(E)	(F)
	B. As a result of this modification, Part I -		П		<del>-</del>
	Schedule, Section B, Supplies or Services and	ł	ΙI	1	
	Price/Cost, paragraph B, entitled "Obligation of	1	li		
	Funds," is hereby revised to decrease the total	1			
	amount of funds obligated to the contract from	1	l		
		1	I 1		
	\$7,058,271,949.49 to \$7,056,523,070.29.		1		
			li		
	C. The contract estimated value and all other			1	
	terms and conditions remain unchanged.		<b>!</b>		
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAG	GE OF PAGES	
2 AMENDMENT/MODIFICATION NO	3. EFFECTIVE D	ATE I	4 REO	UISITION/PURCHASE REQ. NO.	Is proje	1 2 CT NO. (If applicable)	
0467	06/24/20	[	- 1124	SIGNORY GROUNGE REG. NO.	J. PROJE	ст но. (и аррисамы)	
6. ISSUED BY CODE	00901		7. ADN	IINISTERED BY (If other than Item 6)	CODE		
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					_		
8 NAME AND ADDRESS OF CONTRACTOR (No. street	, county. State and Zi	P Code)	(x) <sup>9A.</sup>	AMENDMENT OF SOLICITATION NO.			
SAVANNAH RIVER NUCLEAR SOLUT Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421		98. DATED (SEE ITEM 11)  X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE -AC 0 9 - 0 8 SR 2 2 4 7 0  10B. DATED (SEE ITEM 13)					
CODE 798861048	FACILITY CODE		0	1/10/2008			
	11. THIS ITEM	ONLY APPLIES TO A	MENDM	ENTS OF SOLICITATIONS			
	r atready submitter is received prior to uired) Appropria ODIFICATION OF	d. such change may be the opening hour and tion Data CONTRACTS/ORDERS	made I	by telegram or letter, provided each telegram o cified DIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED II	N ITEM 14.	
	CT/ORDER IS MOI I IN ITEM 14, PUR	DIFIED TO REFLECT T ISUANT TO THE AUTH	HE AD!				
D. CIVIED (Seconds have of modification	and outbooks						
D. OTHER (Specify type of modification X Section I, DEAR 970.	_	rk Authoriz	atio	n (May 2007)			
		sign this document and			a office		
E.IMPORTANT: Contractor (£) is not.  14. DESCRIPTION OF AMENDMENT/MODIFICATION The purpose of this modifica Mod 452 attachment into STRI	(Organized by UC	Fsection headings, inc o incorporat	luding s	olicitation/contract subject matter where feasitontract work authorizat	ola.)	and input	
A. The contract work author 1-A thru 1-M):	izatiion	listed below	d ar	e hereby incorporated (	see at	ctachments	
1) No. HQ091101-14, Rev 6, (See Attachment 1-A) 2) No. HQ091101-14, Rev 5, f				-			
(See Attachment 1-B)  3) No. HQTD1002-14, Rev 4, Continued	for Alter	native Waste	e Pr	etreatment (See Attachm	ent l-	-C)	
Except as provided herein, all terms and conditions of the	ne document refere	enced in Item 9 A or 10/	$\overline{}$				
15A. NAME AND TITLE OF SIGNER (Type or print)				NAME AND TITLE OF CONTRACTING OFFICIES LOVETT	LEK (Type	or printj	
15B CONTRACTOR/OFFEROR	1	5C. DATE SIGNED	16B. (	UNITED STATES OF AMERICA		18C. DATE SIGNED	
(Signature of person authorized to sign)				(Signature of Contracting Officer)			
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CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-AC09-08SR22470/0467 PAGE OF 2 2

NAME OF OFFEROR OR CONTRACTOR

EM NO	SUPPLIES/SERVICES	QUANTIT	TINU	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	4) No. SR071801-14, Rev 2, for Attenuation-Based	<del> </del>	+ +	<del></del>	
	Remedies for the Subsurface Applied Field	1	1 1	j	
	Research Initiative (ABRS AFRI) (See Attachment	ŀ	1 1		
	1, D)	ľ			
	5) No. HI-410003-14, Rev 6, for Fuel Cell		1 1		
	Technologies Office (See Attachment 1-E)	ł	11	Ì	
	6) No. 89X0319, Rev 6, for Fuel Cycle	1	1 1		
	Technologies (See Attachment 1-F)		1 1		
	7) No. 89X0319, Rev 5, for Fuel Cycle	ļ	1 1		
	Technologies (See Attachment 1-G)	i	1 1		
	8) No. SR091701-14, Rev 6, for In Situ		1 1		
	Decommissioning Technology Development and	İ		j	
	Demonstration (See Attachment 1-H)	ľ	1 1	İ	
	9) No. HQTD1005-14, Rev 5, for Increased Wasted	1			
	Loading (See Attachment 1-I)	1	1 1		
	10) No. PC410003-14, Rev 7, for Packaging and	Į .	1 1	į.	
	Certification and Transportation Operations	•			
	Support (See Attachment 1-J)	1			
	11) No. PC410003-14, Rev 6, for Packaging and Certification and Transportation Operations		1 1		
	Support (See Attachment 1-K)	ſ	1 1		
	12) No. 410003-WIPP-14, Rev 0, for SRNL Technical		1 1		
	Support WIPP (See Attachment 1-L)	ì	1 1		
	13) No. HQTD1001-14, Rev 6, for Waste Retrieval	ł	1 1	ł	
	and Closure Technologies (See Attachment 1-M)	i	1 1		
		1	1 1	}	
	Funds were previously allocated by separate		1 1	ļ	
	modifications under FINPLAN No. 12 and FINPLAN	•	1 1		
	13, for Fiscal Year 2014 (copies of FINPLANS	1	1 1		
	provided, see Attachment N).		1 1		
	This madification formally incompanies the				
	B. This modification formally incorporates the		1 1	ľ	
	above referenced contract work authorizations as part of the contract. As stated under DEAR				
	970.5211-1 Work Authorization (May 2007),	l	1 1	ł	
	paragraph (b), the work authorization, whether				
	issued bilaterally or unilaterally shall become a		1 1		
	part of the contract.	ļ			
	C. Reference Modification 0452, Attachment 2,	1	1 1		
	input in STRIPES only. Distribution of Mod 0452	1	1 1		
	with the attachment was made on the date of award	ĺ	1 1	ĺ	
	(THIS ACTON IS FOR STRIPES INPUT ONLY).		1 1		
		1	1 1		
	D. The contract estimated value and all other	l	1 1	İ	
	terms and conditions remain unchanged.		1 1		
	Note: Reference Block 3, Effective Date, see				
	each Contract Work Authorization approval date by	ļ	1 1		
	the Contracting Officer.				
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AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		1. CONTRACT ID CODE	1	PAGES 2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE		QUISITION/PURCHASE REQ. NO	5. PROJECT N	IO. (If applicable)
0468	06/26/2014	14E	4002259		
6. ISSUED BY CODE	00901	7. AE	MINISTERED BY (If other than Item 6)	CODE	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 9.	A. AMENDMENT OF SOLICITATION NO.		
		(4.7			
SAVANNAH RIVER NUCLEAR SOLUT	IONS, LLC	9	B. DATED (SEE ITEM 11)		
Attn: LLOYD CLEVINGER 203 LAURENS ST SW			= 1		
AIKEN SC 298012421				55,110	
IIIIII SC ESCOTE.GI		× I	DA. MODIFICATION OF CONTRACT/ORD DE-AC09-08SR22470	JER NO.	
		1	OB. DATED (SEE ITEM 13)		P. LUC-AM CA - 2
CODE 798861048	FACILITY CODE		01/10/2008		
7,500,1040	11. THIS ITEM ONLY APPLIE				
☐ The above numbered solicitation is amended as set fi				s extended.  is no	t extended
Items 8 and 15, and returning consequence of the place of the place of the place of the place of the place of this amendment you desire to change an off reference to the solicitation and this amendment, and	e to the solicitation and amendmer OFFERS PRIOR TO THE HOUR A er already submitted , such change	nt numbers AND DATE SI e may be mad	PECIFIED MAY RESULT IN REJECTION C e by telegram or letter, provided each teleg	NT TO BE RECEIVED OF YOUR OFFER If t	AT
12. ACCOUNTING AND APPROPRIATION DATA (If req			crease:	\$1,263,50	0.00
				1.0 DESCRIPED III IZ	C11.4.7
13. THIS ITEM ONLY APPLIES TO M	MODIFICATION OF CONTRACTS/	ORDERS. IT	MODIFIES THE CONTRACT/ORDER NO. A	AS DESCRIBED IN III	EM 14.
CHECK ONE A THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority	y) THE CHAI	NGES SET FORTH IN ITEM 14 ARE MADI	E IN THE CONTRACT	
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	CT/ORDER IS MODIFIED TO REP H IN ITEM 14, PURSUANT TO TH	FLECT THE A	DMINISTRATIVE CHANGES (such as char Y OF FAR 43, 103(b).	anges in paying office.	
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUAN	T TO AUTHO	RITY OF:	E	
D. OTHER (Specify type of modification	and authority)				
X Clause I 53 - DEAR	970.5232-4 Obliga	tion of	Funds (Dec 2000)		
E. IMPORTANT: Contractor 🗵 is not.	is required to sign this docum	ment and retu	n 0 copies to the	issuing office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF section head	lings, includin	solicitation/contract subject matter where	feasible.)	
The purpose of this modification No. IN14013-14	ation is to obligate. Accordingly,	ate fun the fol	ds and incorporate Co lowing applies:	ontract Wor	
A. Department of Energy (DC CLIN 0001, thereby increasing with FINPLAN No. 15.					
B. As a result of this mod: and Price/Cost, paragraph B, the total amount of funds of \$7,057,786,570.29. Continued	entitled "Obliga	ation c	f Funds," is hereby r	revised to	
Except as provided herein, all terms and conditions of	the document referenced in Item 9	A or 10A, as	heretofore changed, remains unchanged a	and in full force and el	fect.
15A, NAME AND TITLE OF SIGNER (Type or print)	Control of the Contro	16	A. NAME AND TITLE OF CONTRACTING		
	Tree present	22.1	ngela S. Morton		16C. DATE SIGNED
15B. CONTRACTOR/OFFEROR	15C, DATE SIG	SNEU  16	B. WITED STATES OF AMERICA	75	612614
(Signature of person authorized to sign)		a.	(Signature of Contracting Officer)		24.00 (DE:/ 10.55
NSN 7540-01-152-8070				STANDARD FOR	RM 30 (REV. 10-83)

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	PAGE C	)F
	DE-AC09-08SR22470/0468	2	2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

EM NO	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	C. In addition, this modification formally		:		
	incorporates Contract Work Authorization No.				
	IN14013-14, Rev 5, for Energy and Threat, see			[	
	Attachment 1-A, hereto. Funds were allocated on				
	FINPLAN 15. 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.				
	•				
	D. The contract estimated value and all other				
	terms and conditions remain unchanged.			-	
	Total and Total State State and Language at				
	FOB: Destination				
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# Contract Work Authorization Supporting Documentation Index

Document No.	Work Proposal Number	Project Title
Α	IN14013-14, Rev 5	Energy and Threat, (5 pages, DOE-SR generated form with reviewers and approval concurrence, Hqts Work Authorization (Funds allocated under FINPLAN 14))

# Supporting Documentation No. A

IN14013-14 Revision Number  5  CONTRA  If you need  B				ACT WORK AUTHORIZATION  assistance with this form contact relinda Beckum 5-5352				Tracking Number CWA-2014-00115		
1a. Project Title: Energy and Threat				b. Work arious	Proposal Nur	nber (if applica	able):	1c. Perfor	ming Organization SRNS	
2. Headquarters Pro	gram Point of C	ontact.								
Name: Sunny Slacu			Organization C	ode:	d=4	I	elephone	No.: 202-586-	8865	
<ol><li>Headquarters Bu</li></ol>		ntact.								
Name: Debbra Dayt	on		Organization C	ode:		Т	elephone	No.: 202-586-	4370	
<ol> <li>Responsible Prog Analysis, Investigati</li> </ol>	ram: ons & Office of t	he SCIO				ble Secretaria ergy and Thre				
6. Responsible Field			0 "	(CD)						
U.S. Department of	Energy (DOE), S	savannan R	iver Operations	(SK)						
7a. Site and Facility Savannah River Nu	Management Co clear Solutions, I	ontractor: LLC			ntractor Point John Temple			Telephone No	o.: 803-952-7210	
8. Work Authorization IN14013-14	on Number:		TO THE REST		9. Revision 5	Number:*				
10. Funds Authorize Vork subject to fund		ow)	a di di di di di di di di di di di di di							
Date	B&R Code	Agreen	nent / Project #	Proje	ect Value	Previous		Change:	Current:	
6/11/14	GD2540101 GD2540980 GD2540250 Total		3203738 3203735 3203755			300,000.00 0 300,0 400,000.00 0 400,0 0 7,500.00 7,50			300,000.00 400,000.00 7,500.00 707,500.00	
11. Performance Pe block 10)	eriod Covered by	Funds. (Se	e NOTE in	12. Wo	rk Start Date:		13.	Expected Co	mpletion Date:	
From: 10/01/2013	То	: 09/30/2014	1	10/01/2013			09/	09/30/2014		
14. Statement of W				STREET, STREET,						
GD2540250 funding	will cover HQs	sponsorea/	organized travel	expense	es for mission	meetings and	a training.			
15. Technical Point	of Contact			90						
Nan Gregory Hull-Ry		SF	Title RS Technical Po		ntact	Gregory.H	Email ull-Ryde@	ers.gov	Phone (803) 725-6727	
SRS Technical Poir Nan David Wilson	ne	F 21 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Title echnical Point o		t Manager	David.Wils	Email son@srnl.	doe.gov	Phone (803) 725-3471	
16. DOE-SR Program Point of Contact 17. DOE-SR Field Budg			R Field Budget	Official		tractor's Author	orized		ontracting Officer (or ed representative).	
Patrick Jackson/DOE/Srs Harold Nielsen/DO										

Yes No

06/23/2014 06:15 AM

I accept the scope and funding requirements and have no issues meeting the requirements.

Gregory Hull-Ryde has pressed the button , "I accept the scope and funding requirements and have no issues meeting the requirements."

DOE-SR Prog POC

DOE-SR Work Authorization Program								
	DOE Order 412 Com							
Project Title		Work Authorization Number						
Energy and Th		IN14013-14						
● Yes ○ No	At a minimum, each work authorization Project title and reference to work proposal number,							
Yes O No	<u> </u>	Headquarters programmatic point of contact, organization, and telephone number						
● Yes ○ No	Headquarters budget point of contact, organization c	code, and telephone number						
Yes O No	Responsible program		$\dashv$ 1					
● Yes ○ No	Responsible program Secretarial Officer							
Yes O No	Responsible field organization							
Yes O No	Responsible contracting officer if different from above	e						
Yes O No	Site/facility management contractor name, point of co	ontact, and telephone number						
Yes No	Work authorization number, with revision number if a	applicable						
Yes O No	Budget and reporting code and funding level							
Yes O No	Dates for performance period, work start, and work of	completion						
	Statement of work (see paragraph below)							
● Yes ○ No	signature blocks	nvolving changes to scope, schedule, or funding, contracting offic						
● Yes ○ No	Reporting requirements, including (a) project manage of informing DOE, the scientific community, and the progress)	ement or status reports and (b) reports or publications for the pur public of the project results (e.g., scientific advances or technical	rpose					
	The statement of work will include the	following information as appropriate:						
● Yes ○ No	the scope of work in detail	ence to a work proposal, project plan, or similar document describ	bing					
Yes O No	Required milestone dates							
Yes O No	Management	ired by DOE O 241.1A, Scientific and Technical Information						
Yes O No	Measurement, and any additional guidance that will a							
	Reviewer's	Comments						
	tion is: Accepted. If rejected, then comments are	e provided in this space.						
Patrick Jackso		06/17/2014 12:21 PM						
DOE-SR Field Bu	dget Official							
BEARS database	e search complete and results attached to WAD pack	rage?	OYON					
Funding constrai	ned: (Year constrained; CR; etc.) 89X0243 No Year F	unds, FY 2014 Budget Authority, projected for FinPlan #14 in Ju	ıly.					
	O 2-year money O 1-year money	y No year money C Free money						
Is this funding in	the Fin Plan?	<del></del>	OYON					
	<del></del>	<del></del>						

Is this funding in the Headquarters AFP?	
<ul> <li>Contract of a contract of the Con</li></ul>	

- 1	11	1	1	N
	Y	1	1	N

#### Necessary expense:

1. Does the expenditure bear a logical relationship to the appropriation sought to be charged? In other words, does it must make a direct contribution to carrying out either a specific appropriation or an authorized agency function for which more general appropriations are available?	OYON
2. Is the expenditure prohibited by law?	OYON
3. Is the expenditure otherwise provided for, that is, is it an item that falls within the scope of some other appropriation or statutory funding scheme?	OYON

## Contract Mod Admin

Contract Mod #	Attach Signed Mod
0468	

#### Attachments



PKG IN1403-14 R5.pdf

Notify on Approval

### General Comment

Submitted	Submitted By	Comment
06/26/2014 01:34:36 PM 06/24/2014 08:42:37 AM	Christine Corbin Kathryn Davis	Mod 0468 pending, will add to funding mod. Funds allocated on FINPLAN 15.  Attachment should be IN14013
0.42.57 AM	Nating IT Davis	Attackment should be 11414015

Work Authoriza	tion: In Process				
Approvers	Title	Assigned	Received	Status Changed	Status
John Temple Angela Morton Christine Corbin Kathryn Davis	SRNS Contractor Auth Rep DOE-SR Contract Officer DOE-SR Contract Mod Admin SRNS Contracts	06/24/2014 08:43:31 AM 06/24/2014 02:33:55 PM 06/26/2014 01:49:23 PM 06/26/2014 01:58:35 PM	06/26/2014 01:39:35 PM 06/26/2014 01:58:23 PM	06/26/2014 01:49:22 PM	Concur

Previous Process - Work Authorization: Approved on 06/23/2014					
Approvers	Title	Assigned	Received	Status Changed	Status
Gregory Hull-Ryde John Christian Patrick Jackson Harold Nielsen	DOE-SR Work Auth Coordinator	06/17/2014 12:30:29 PM 06/23/2014 06:15:38 AM 06/23/2014 07:44:04 AM 06/23/2014 10:37:31 AM	06/23/2014 07:43:45 AM 06/23/2014 10:35:26 AM	06/23/2014 07:44:02 AM 06/23/2014 10:37:28 AM	Concur Concur

**Approver Comments** 

#### Reviewers

Name	Date Time	Action
Sharon Hunter	6/17/2014 1:11:48 PM	Reviewed
Gregory Hull-Ryde	6/23/2014 6:30:03 AM	Reviewed
Kathryn Davis	6/24/2014 8:43:23 AM	Reviewed

# 2014-118 AFP Rev. 5

# U.S. DEPARTMENT OF ENERGY Work Authorization

1a.	Project Title:	Energy and Threat		1b.	Work Proposal Numb	er:
2.	HQ Program Point of Contact: Name:	Sunny Slacum	Surysla	c	Telephone #	202-586-8865
3.	HQ Budget Point of Contact: Name:	Debbra Dayton	Dellace	ad-	Telephone #	202-586-4370
4.	Responsible Program Office:	Analysis, Investigation	s & Office of the SCIO			
5.	Responsible Program Secretarial Officer:	Office of Energy and T		$\circ$		
6.	Responsible Ops/Site Office:	Savannah River Opera	tions Office			
7a.	Major Operating Contractor:	and the same of the same	ar Solutions, LLC (4100	03)		
7b.	Contractor Point of Contact:	Greg Hull-Ryde		507 <b>4</b>	Telephone #	803-725-6727
8.	Work Authorization Number:	IN14013	Month:	June	9. Revision:	5
10.	Funds Hereby Authorized:	•				
	B&R Code/STARS Value Code	FY 2014 Initial Amount	Prior Changes to Date	YTD Amount	Current Month Change	FY 2014 Revised Amount
	GD2540101 / 3203738 (Analysis)	87,960.00	212,040.00	300,000.00		300,000.0
Î	GD2540200 / 1001217 (Investigations)					
	GD2540250 / 3203755 (CI Training)				7,500.00	7,500.00
	GD2540500 / 1001220 (Insider Threat)			-		
	GD2540700 / 1001222 (Inspections)			-	-	
	GD2540980 / 3203735 (5CIO)	117,280.00	282,720.00	400,000.00		400,000.00
	GD2540990 / 3203701 (M&O at DOE HO)		-			
541	9			104	-	
,	Totals:	205,240.00	494,760.00	700,000.00	7,500.00	707,500.00
11.	Performance Period:	10/1/2013 till expend	ed	12. Work Start Date:	10/1/2013	
13.	Expected Completion Date:	Continuing				
14.	Statement of Work: GD2540250 fundi	ng will cover HQ's spon	sored/organized travel	expenses for mission	meetings and training	<i>j.</i>
15	Reporting Requirements:	Provide monthly cost	status reports to progra	am managers.		
16.	Work Authorization Program Official:	: Charles Durant	Clek	-0	Date:	6/11/2014
17.	DOE Field Org/Site Office Official:				Dute:	
18.	Contractor's Authorized Rep. Name:				Date:	

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1 CONTRACT ID CODE	PAGE	F PAGES
2 AMENÜMENTAKODIFICATION NO	3 EFFECTIVE DATE	4 REG	DUISITION PURCHASE REQ NO	5 PROJECT N	O (Happicable)
0469	06/30/2014				
6 ISSUED BY CODE	00901	7 AD	MINISTERED BY (If other toon item 6)	CODE	
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8. NAME AND ADDRESS OF CONTRACTOR (No., Etrop	L county. State and ZIP Code)	(x) 9/	. AMENDMENT OF SOLICITATION NO	<del></del>	
SAVANNAH RIVER NUCLEAR SOLUT	TONS. LLC	П			
Attn: LLOYD CLEVINGER	201107 220		DATED (SEE ITEAL 11)		<del></del>
203 LAURENS ST SW					
AIKEN SC 298012421			A MODIFICATION OF CONTRACT/ORDE E-AC09-08SR22470	R NO	<del></del>
		*  D	E-AC09-08SR22470		
		-	B DATED (SEE ITEM 13)		
CCDE 769861048	FACILITY CODE	<b></b>	01/10/2008		
798861048	11. THIS ITEM ONLY APPLIES	_1_1_		_ <del></del>	
The above numbered solutation is smended as set f				ortended Girs no	estended
separate letter or lelegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change on an reference to the collectation and this amendment, and 12 ACCOUNTING AND APPROPRIATION DATA (if not NO Change to Accounting and	OFFERS PRIOR TO THE HOUR AND er already submitted, such change in les recoved prior to the opening hour pured)	D DATE SF ay be made and date s	ECIFIED MAY RESULT IN REJECTION OF by telegram or lotter, provided each telegri	FYOUR OFFER ITS	
13. THUS ITEM ONLY APPLIES TO L	IODIFICATION OF CONTRACTS/ORI	DERS. IT 4	IODIFIES THE CONTRACTIONDER NO. AS	S DESCRIBED IN ITE	M 14.
			GES SET FORTH IN ITEM 14 ARE MADE		
appropriation dele, etc.) SET FORT	H IN ITEM 14, PURSUANT TO THE	NTHORIT	DMINISTRATIVE CHANGES (such as chan Y OF FAR 43 103(b)	gos ar palning white.	
C THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT TO	O AUTHOR	ITY OF		
D OTHER (Spealy type of modification	1 and authority)				
X Clause H-28, Perform	mance-Based Incenti	ves			
E. IMPORTANT: Contractor E is not.	Is required to sign this document	nuter brus l	O copies to the is	sung office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF section headings	. enetweing	sabolation/contract subject mailor where for	easible.)	
A. Reference Modification C	451, the purpose o	f this	, medification is to i	.ncorporate	
Performance Evaluation Measu			•		
2013 through September 30, 2	:014. The previous	edit	on of the FY 2014 PEM	IP Revision	. 3,
effective April 16,2014, is	replaced with the	revis	ed copy attached heret	o. Revisi	on 3, R1
incorporates the following of	:hanges:				
	•	_			
1) incorporates Headquarters				_	
2) delete "Karen Hooker (dec				as the Dir	ector,
Office of Laboratory Oversic	jht, throughout the	docu	went.		
·	e page is inserted	and	the PEMP is reprinted	in its ent	irety
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Except as provided horom, all terms and conductors of the SANAME AND TITLE OF SIGNER (Type or print)	ne cocument raterensed in Item 9 A c		cretafore changed, remains unchanged an NAME AND TITLE OF CONTRACTING C		
The state of the s					• •
			mes Lovett		440 0177 017-77
158. CONTRACTOR OFFEROR	15C DATE SIGNE	U  168	UNITED STATES OF AMERICA	Louth	18C DATE SIGNED
4		_	/	- 1	
(Squeline of person authorized to sign) NSN 7540-01-157-8070			(Signature of Contracting Officer)	STANDARD FOR	M 30 (REV 10-83)

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV 10-83) Prescribed by GSA FAR (48 CFR) 53 243

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CONTINUATION SHEET	DE-AC09-08SR22470/0469	2	2

NAME OF OFFEROR OR CONTRACTOR SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT (A) (C) (0) (E) (F) for the contract file. B. All other terms and conditions remain unchanged.



U.S. Department of Energy Savannah River Site

# PERFORMANCE EVALUATION MEASUREMENT PLAN

Savannah River Nuclear Solutions, LLC CONTRACT NO. DE-AC09-08SR22470 Modification No. 451

**Evaluation Period:** 

October 1, 2013 through September 30, 2014

Rev. 3 effective: April 16, 2014 (Rev. 3, R1 Jun 30, 2014)

Contracts Management Division

# **Approval Page**

Concurrence:	Date:
Lucy Knowles Chi of Council Office of Chi of Council	4-16-2014
Chief Counsel, Office of Chief Counsel	
Jeffrey C Armstrong	4-16-2014
Director, Office of Acquisition Management	
Douglas E. Hintze Assistant Manager for Mission Support	69 Apr 2014
Approval:	
James Lovett, Jr. Contracting Officer	4-16-2014

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	3.2	Performance Planning and modifications	
	3.3	Risk Management	
	3.4	Performance Incentive Document (PID)	
	3.5	Other Incentives	16
4.	Cl	hange Control	
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7.		syment of Fee	
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		ment B, Fee Allocation Model	
		ment C, EM Performance Incentive Documents for fiscal year 2014	
		ment D, NNSA Performance Incentive Documents for fiscal year 2014	

### **Revision Summary Log**

Rev.	Rev. Date	Affected Sections / Pages	Description of Revision	
0	10/01/13	All	Initial Issue for this evaluation period	
1	10/24/13	Page 21, changed incentive summary table to reflect switch of fee from NMS to LS.	Nuclear Material Stabilization: \$8,900,000 \$8,800,000 Landlord Services: \$6,160,000 \$6,260,000	
1	10/24/13	Page 22, changed allocated fee for EMO PBI.	Allocated Fee: \$8,900,000 \$8,800,000	
1	10/24/13	Page 23, changed completion criteria for milestone SRNS2014EMO-1.01.	Completion Criteria: Ship one LEU trailer offsite to Areva for TVA contract.	
1	10/24/13	Page 25, changed completion criteria for milestone SRNS2014EMO-2.01.	Completion Criteria: Prepare, and receive, and store containers of surplus plutonium and uranium from LANL offsite-items in K Area in accordance with the schedule maintained by DOE-SR.	
1	10/24/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.06.	Completion Criteria: K Area will perform 20 Pu measurements on 20 different cans.	
1	10/24/13	Page 26, changed completion criteria for milestone SRNS2014EMO-2.08.	Completion Criteria: Complete FSV +34 or the +48 roof replacement. Replace the Final Storage Vault roof at either the +34 or the +48 level depending on roofer's evaluation.	
Ĭ	10/24/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.02.	Completion Criteria:  a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.  Assumes DNFSB concurrence with proposal.  b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, lissue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel.	
1	10/24/13	Page 27, changed completion criteria for milestone SRNS2014EMO-3.03.	Completion Criteria: Determine the feasibility of study to stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.	
1	10/24/13	Page 27, deleted milestone SRNS2014EMO-3.04.	Date: 12/30/13 Fee: \$100,000 Completion Criteria: Submit DSA/TSR for F/H laboratory based on leak path factor evaluation. Acceptance Criteria: DOE_SR will review the SRNS approved DSA/TSR for the F/H lab based on leak path factor evaluation.	
1	10/24/13	Page 43, changed completion criteria for milestone SRNS2014SRNL-2.02.	Completion Criteria:  a. Continue work on "strategic" tasks for ORP initiated in FY13—including options for dealing with Tc, waste qualification strategies, process scenario evaluations, and glass formulation approaches. This effort could move into leading and executing Grand Challenges in support of the high level waste processing system at Hanford. Develop program execution plans for Grand Challenge efforts in support of high level waste processing at the Hanford site. Complete first phase of experimentation as part of these programs. Participate on the Hanford Tank Waste Disposition Integrated Flowsheet development team. Perform flowsheet evaluations and provide definition of key interfaces and waste acceptance criteria.  b. Perform work for Hanford Contractors including WRPS and WTP. Potential scope areas include continuing work on Caststone, Te removal options, development of waste qualification equipment and approaches.	

			- Complete full scale mixer testing in support of Caststone work  - Complete experimentation on Tc removal options selected during downselection  - Develop conceptual design and fabricate test equipment in support of the waste qualification effort  c. Continue leadership of the National Laboratory Technical Authority Team in support of the WTP Full Scale Vessel Qualification Testing Program.  - Define and qualify the instrumentation to be used during the full scale demonstration effort.  Develop the simulant to be used during this instrument qualification and the first phase of testing
1	10/24/13	Page 44, changed completion criteria for milestone SRNS2014SRNL-2.03.	Completion Criteria: Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts eould include:  a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership.  b. Issue technical report/journal article on the next phase of Llong term glass corrosion modeling work studies.  c. Potential work in separations areas:
			Completion Criteria:  Provide technical support for SRNS Environmental Compliance & Area Completion Projects including products and services in meeting regulatory milestones and deliverables as well as developing and transitioning to passive environmental technologies and approaches for waste site remediation. This scope includes the following activities: MAPSL SVE Investigation for Vadose Zone CAP, MetLab BaroBall Wells Investigation for Vadose Zone CAP, Southern Sector Aerobic Stimulation Bench Test, Sampling and Analysis Supporting TNX Edible Oil Treatability Study, PAGW OU Characterization, and Timely GC Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP. that may include the following.
1	10/24/13	Pages 44 and 45, changed completion criteria for milestone SRNS2014SRNL-3.01.	a. Provide technical support and report development to Environmental Compliance & Area Completion Projects (EC&ACP) in meeting regulatory milestones and deliverables (e.g., finalize 5 year ROD review deliverable, complete an H-tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan, complete an F-Tank Farm Groundwater Sampling and Analysis Plan, develop a Five-Year Remedy Review).  b. Continue development and transition to passive
			environmental technologies and approaches for EC&ACP waste site remediation (e.g., T-Area).  c. Continue support for operating systems and final closure of groundwater and vadose units (e.g., field sampling and analytical support for EC&ACP technology demonstrations and performance analysis for SVE operating treatment systems).
1	10/24/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.03.	Completion Criteria: As defined in the approved FY14 SVS Implementation Plan jointly developed by DOE-SR OLO and SRNL, reduce deferred

			maintenance backlog by effective management of Construction Maintenance orders (CMO) and Major Maintenance scopes and effective execution of IGPP projects. Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.  Completion Criteria:  As defined in the approved FY14 SVS Implementation Plan
1	10/24/13	Page 52, changed completion criteria for milestone SRNS2014SRNL-7.04.	jointly developed by DOE-SR-OLO and SRNL, effectively manage the implementation of the SRNL Infrastructure Plan to minimize operational cost. Implement the SRNL Infrastructure Plan to reduce operational cost by facility and scientific instrument renewal as well as an improved Asset Condition Index as defined in the approved FY14 SVS Implementation Plan.
1	10/24/13	Page 54, changed allocated fee for LS PBI.	Allocated Fee: \$1,410,000 \$1,510,000
1	10/24/13	Page 57, changed completion criteria for milestone SRNS2014LS-3.01	Completion Criteria: Provide liaison support for a successful transition of the privatization of Outsource the SRNS ESS Facilities Maintenance and ensure success by providing business and technical leadership.
1	10/24/13	Page 59, added milestone SRNS2014LS-5.02	<ul> <li>Date: 9/30/13</li> <li>Fee: \$100,000</li> <li>Completion Criteria:         <ul> <li>Evaluate the Critical Infrastructure Integrated Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.</li> <li>Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.</li> </ul> </li> <li>Acceptance Criteria:         <ul> <li>DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis &amp; Reporting (STAR) system:</li></ul></li></ul>
1	10/24/13	Pages 63 and 64, changed Contract Performance Outcome for PBI SRNS2014SUBJ.	Contract Performance Outcome:  Nuclear Materials Management  The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements. Management of nuclear materials at SRS includes storage, operations and disposition.  Solid Waste  The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

			Soil and Water Remediation
			The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.
			Savannah River National laboratory (SRNL)
			SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.
			Sitewide ES&H Program
			The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.
1	10/24/13	Page 67, changed fee statement for PBI SRNS2014SUBJ.	Up to \$2,610,000 \$5,000,000 of the allocated fee will be paid for this Contract Output.
2	12/30/13	Pages 68 through 76, added the NNSA PEP.	See PEP, beginning on page 68.
3	7/xx/14	Page 24, replaced member of Fee Board chart.	SMITH, T. Zack SPEARS, Terrel, Acting
3	7/xx/14	Page 24, deleted member of Fee Board chart, to be determined.	HOOKER, Karen
3	7/xx/14	Page 25, replaced member of Fee Board	MCGUIRE, Patrick PENNINGTON, Michele
3	7/xx/14	Page 28-29 changed the Description/Background/Justification and fee statement for PBI SRNS2014EMO-01	Description/Background/Justification: Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include: maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials. Up to \$3,900,000 \$4,300,000 of the allocated fee will be paid for this Contract Output.
3	7/xx/14	Page 29, changed the date, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.02	Date: 6/30/14 9/12/14 9/30/14  Contract Output Completion Criteria: a. Complete SRE charging and dissolution. b. Transfer 2 dissolver batches of SRE to a sSludge bBatch 9.  Acceptance Criteria: DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14.
3	7/xx/14	Page 29, changed the fee and contract output completion criteria for milestone	Fee: \$500,000 \$250,000; \$125,000 fee paid 1st and 2nd each quarters.

		SRNS2014EMO-1.03	Contract Output Completion Criteria: Charge two bundles of UNF or Pu to the H Canyon dissolver or probe the dissolver twice per shift crew per-in quarters 1 and 2 to maintain proficiency.
3	7/xx/14	Page 29, changed the contract output completion criteria for milestone SRNS2014EMO-1.04	Contract Output Completion Criteria: Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run, DCS Simulator Cold Run or actual hot ops to address equipment operability and maintain operator proficiency. (Due to Liquid Waste Min., only two 1 <sup>st</sup> Cycle and two 2 <sup>nd</sup> Cycle Cold Runs per year.
3	7/xx/14	Page 30 changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.07	Date: 3/31/14 4/30/14 (a and b) 9/30/14 (c, d and e) Fee: a.\$150,000, b.\$150,000, c.\$150,000, d.\$150,000, e.\$150,000  Contract Output Completion Criteria: a. Implement Waste Min. action to revise the sump flush program to track transfers. b. Implement Waste Min. action to recycle HB-Line column waste for use in 6.4D discontinue use of scrubber jumper on Hot Canyon neutralization tanks. c. Implement Develop Waste Min. action to improve neutralization formula for WAC implementation optimize recycle HB-Line column raffinate or use in 6.4D so it is ready to implement. d. Implement Waste Min. action to refine LAW operation and acid stripping process. process Replace reboiler vessel of Acid Recovery Unit. e. Load two burial boxes with failed equipment from the warm canyon and ship to E Area.  Acceptance Criteria: DOE-SR will review the implemented Liquid Waste Minimization actions by procedure or document review and ensure actions are consistent with the Nuclear Materials System Plan: a) Review Sump Flush procedures and confirm procedures are in accordance with the NCSE; b) Review of neutralization procedures; c) Review HB-Line Raffinate Reuse Evaluation; d) Walkdown and/or review construction work packages; e) Review characterization forms for loaded burial boxes.
3	7/xx/14	Page 30-31, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.08	Date: 9/30/14 6/30/14 9/30/14 7/7/14  Fee: a.\$550,000, \$145,000 b. \$200,000 c. \$505,000  Contract Output Completion Criteria: a. Complete HFIR planning preps Submit SRNS modified and approved OSA-7 and complete the analytical work to develop proposed HFIR Criticality Safety Limits associated with receipt and dissolving of HFIR material. with the exception of the H Canyon NCSE/DSA revision, flowsheet, hydrogen generation study, dissolver insert and storage rack design, fabrication, and installation that may not be completed if funding/staffing is limited. b. Perform evaluation of attractiveness level "C" Complete dissolving operations preps and initate MTR campaign by dissolving one UNF charge, material for H-Canyon dissolution. c. Complete ventilation tunnel inspection with crawler, reduced by \$25K for each week after 7/7/14. No fee after 9/1/14.  Acceptance Criteria: DOE-SR will a) review the completed HFIR planning preps SRNS modified and approved OSA-7 for HFIR (prepared in accordance with 10 CFR 830 and DOE Order 460.1C) and HFIR Criticality Safety Limits (prepared in accordance with DOE-STD-3007-2007), the completed evaluation of attractiveness level "C" UNF material. b) Verify the bundles have been dissolved as determined by probing

			(procedure review), c) Review video from crawler inspection or view real time and ensure accessible/desired areas were inspected.
3	7/xx/14	Page 31, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.09	Date: 9/30/14 6/30/14 9/30/14  Fee: a. \$250,000, b. \$100,000  Contract Output Completion Criteria: Complete Canadian Liquid unloading and piping Design. a. SRNS submit the Canadian Liquid Receipts conceptual design package in support of a DOE-SR CD#1. b. SRNS submit revised and approved H-Canyon Double Contingency Analysis (DCA) to include Canadian Liquids. Acceptance Criteria: DOE-SR will a) review Canadian HEU Liquid unloading and piping design documents. Liquid Receipts conceptual design package in support of a DOE-SR CD#1 (prepared in accordance with DOE Order 413.3; design requirements and inputs per SRNS-U1000-2014-00030, dated 2/11/14 and per guidance provided by letter from McGuire to Hunt/Girard dated 2/25/14). b) review SRNS approved, revised H Canyon DCA that includes Canadian Liquids (prepared in accordance with DOE-STD-3007-2007 and applicable ANSI/ANS standards).
3	7/xx/14	Page 31, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-1.10	Date: 3/31/14 9/30/14 Fee: \$150,000, \$300,000 Contract Output Completion Criteria: Implement all actions needed to resume WIPP blending. Complete PVV filter (5.7F) flush including procedure development for performing the flush, establishing piping routes, discard of the filter flush solution to LW and completion of the Unreviewed Safety Question Evaluation (USQE). Acceptance Criteria: DOE-SR will review procedures and documents to verify ready to resume WIPP blending. DOE-SR will review the SRNS completed procedures and USQE documentation (prepared in accordance with 10 CFR Part 830 and DOE G 424.1-1).
3	7/xx/14	Page 32, changed the fee statement for PBI SRNS2014EMO-02	Up to \$2,000,000 \$1,550,000 of the allocated fee will be paid for this Contract Output.
3	7/xx/14	Page 32, changed the acceptance criteria for milestone SRNS2014EMO-2.03	Acceptance Criteria: DOE-SR will review the SRNS approved DSA/TSR supporting FSV FSV (prepared in accordance with 10 CFR 830).
3	7/xx/14	Page 32, changed the acceptance criteria for milestone SRNS2014EMO-2.04	Acceptance Criteria: DOE-SR will review the completed FSV construction project documents and ensure the project is progressing toward a 12/31/14 project completion date and within a \$27.2M base project TPC (\$11.5M FSV scope + \$15.7M original scope) as established in BCP SRNS13M0042 R1.
3	7/xx/14	Page 33, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-2.05	Date: 3/31/14 9/30/14 Fee: \$500,000, \$50,000 Contract Output Completion Criteria: Complete Readiness Assessment on DSA Rev. 10/TSR Rev. 41 to expand K Area capabilities. In preparation for future Pu disposition operations in K-Area, qualify 1 additional FLM as a DE Handling Supervisor and 3 additional production operators as NDE or DE Handling Operators. Acceptance Criteria: DOE-SR will review FLM and operators qualifications to verify individual certifications, observe RA activities as desired and review the RA declaration of readiness.
3.	7/xx/14	Page 33, changed contract output completion criteria for milestone SRNS2014EMO-2.05	Contract Output Completion Criteria:  Replace the Final Storage Vault roof at either the +34 (Final Storage Vault) or the +48 level depending on roofer's

			evaluation.
3	7/xx/14	Page 33, changed the fee statement for PBI SRNS2014EMO-03	Up to \$900,000 \$800,000 of the allocated fee will be paid for this Contract Output.
3	7/xx/14	Page 34, changed the date, fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-3.02	Date: 6/30/14 9/30/14  Fee: a.\$50,000, b. \$50,000 \$100,000  Contract Output Completion Criteria: a. Determine feasibility to reduce to a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. b. If the feasibility study supports reducing to a single exhaust as well as a single generator, and DNFSB supports this concept, issue design to support a single 292-F exhaust fan operation mode with a single 254-13F "SS" Diesel. SRNS is to perform the canyon ventilation test to validate the end state recommendations of using a single 292-F exhaust fan.  Acceptance Criteria: DOE-SR will review the canyon ventilation test report. SRNS approved feasibility study for a single 292-F exhaust fan supported by a single 254-13F "SS" diesel generator and the design to support the implementation:
3	7/xx/14	Page 34-35, changed the fee and contract output completion criteria for milestone SRNS2014EMO-3.05	Fee: \$650,000 \$550,000; paid at completion of each action item as noted.  Contract Output Completion Criteria: SRNS will complete the following 235-F Risk Reduction Actions and provide to DOE for review. approximately 30 days before the DOE IP commitment date as noted in the "Date" column:  a. Deliver the Graded EP Drill Report (Action 3-4). (\$50,000)  b. Complete a Readiness Assessment for the Deactivation BIO and submit RA Report (Action 1-4). (\$100,000)  c. Complete removal, isolation, or encapsulation of Fixed Combustibles and provide a final report to DOE (Action 2a-3). (\$150,000)  d. Complete Electrical De-energization scope and provide a final report to DOE (Action2b-2). (\$150,000)  e. Complete installation and acceptance of the FDAS and provide a final report to DOE (Action 2c-3). (\$150,000) (\$200,000).  f. Complete planned cell infrastructure tasks and report completion (Action 1-3). (\$50,000)
3	7/xx/14	Page 35, changed the Description/Background/Justification and fee statement for PBI SRNS2014EMO-04	Description/Background/Justification: L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmentinged Monitoring and Condition Assessment Program (AMCAP) support to maintain the facilities in a safe and operable condition. Up to \$2,000,000-\$2,150,000 of the allocated fee will be paid for this Contract Output.
3	7/xx/14	Page 35-36, changed the fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-4.02	Fee: \$500,000 \$100,000 Contract Output Completion Criteria: Complete UNF Preps for HFIR readiness with the exception of the L-Area DSA, OSA-7 and the new cask insert (if required) which are dependent on funding and staffing. Submit SRNS approved DSA, DCA, NCSE, NSDS, and 302 Manual documents to support HFIR onsite shipment activities and perform modifications to cask CD3 for insert fit-up.  Acceptance Criteria: DOE-SR will review the HFIR-planning preps were completed with the exception of the L-Area DSA, OSA-7 and new cask insert (if required): and validate completion of the SRNS approved DSA, DCA, NCSE, NSDS and 302 Manual (prepared in accordance with DOE-STD-3007-

			2007, applicable ANSI/ANS standards and 10 CFR 830) and review cask modification work packages.
3	7/xx/14	Page 36, changed the fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-4.03	Fee: \$500,000 \$400,000 Contract Output Completion Criteria: Complete the vacuuming removal for removal of "cob webs" from the top of the fuel bundles from the basin and resurvey the basin per G-ESR-L-00014. Acceptance Criteria: DOE-SR will observe the basin vacuuming activities or observe the basin following the completion of eorrective actions to remove the "cob webs" from the top of the fuel and review SRNS G-ESR-L-00014.
3	7/xx/14	Page 36, changed the fee, contract output completion, and acceptance criteria for milestone SRNS2014EMO-4.04	Fee: \$500,000 \$250,000 Contract Output Completion Criteria: Complete NRU/NRX interim schedule milestone. Complete the Startup turnover of the Unloading Station to Operations. Acceptance Criteria: DOE-SR will validate that the activity STR114 is complete by review of the completed work package(s). Startup testing is dependent on AECL delivery of components required during testing (IP-2 Container, 3 different basket types, caddies, dummies, etc.) represented by ID#AECL002. NRU/NRX interim milestone was completed on schedule.
3	7/xx/14	Page 36, added milestone SRNS2014EMO-4.05	Number: SRNS2014EMO-4.05  Date: 7/31/14  Fee: \$200,000  Contract Output Completion Criteria: Submit SRNS approved Basin Mod DSA/TSR.  Acceptance Criteria: DOE-SR will review the SRNS approved DSA and TSR and validate that the changes necessary to perform Basin Mods have been incorporated into the documents (developed in accordance with DOE G 421.1-2 and 421.1-1).
3	7/xx/14	Page 36, added milestone SRNS2014EMO-4.06	Number: SRNS2014EMO-4.06  Date: 9/30/14  Fee: \$250,000  Contract Output Completion Criteria:  D&R the STS system in support of the basin modification project.  Acceptance Criteria: DOE-SR will validate that D&R of the STS system has been field complete by review of completed work packages and with walk-throughs.
3	7/xx/14	Page 36, added milestone SRNS2014EMO-4.07	Number: SRNS2014EMO-4.07 Date: 9/30/14 Fee: \$250,000 Contract Output Completion Criteria: Galvanic Corrosion –Complete galvanic isolation of at least one bucket. Acceptance Criteria: DOE-SR will validate that galvanic isolation field work was completed on at least one bucket in support of the AMCAP program by review of completed work packages and with walk-throughs.
3	7/xx/14	Page 37, added milestone SRNS2014EMO-4.08	Number: SRNS2014EMO-4.08 Date: 9/30/14 Fee: \$50,000 Contract Output Completion Criteria: Perform initial material characterization tests (compression, microstructure, pH, chemical, microscopic) on designated concrete samples from C Basin and review preliminary results with AMCAP Independent Review Committee (IRC). Acceptance Criteria: DOE-SR will validate that the AMCAP IRC has reviewed and approved the ranking and prioritization

			results produced by the AMCAP Team.
3	7/xx/14	Page 37, added milestone SRNS2014EMO-4.09	Number: SRNS2014EMO-4.09 Date: 9/30/14 Fee: \$100,000 Contract Output Completion Criteria: SRNS to remove debris, failed equipment and/or items preventing retrieval of the foil press and shear from the Basin. Acceptance Criteria: DOE-SR will validate that the items have been removed from the Basin/Facility by visual examination.
3	7/xx/14	Page 37, added milestone SRNS2014EMO-4.10	Number: SRNS2014EMO-4.10  Date: 9/30/14  Fee: \$50,000  Contract Output Completion Criteria: Complete ranking and prioritization of isolated and non-AL failed fuel containers based on vulnerability for extended wet storage as approved by the AMCAP IRC.  Acceptance Criteria: DOE-SR will validate that the AMCAP IRC has reviewed and approved the ranking and prioritization results produced by the AMCAP Team.
3	7/xx/14	Page 61, deleted Senior level supervisor/division manager for SRNS2014LS.	Senior level supervisor/division manager Nick-Delaplane
3	7/xx/14	Page 61, deleted Contract Output & Description/Background for milestone SRNS2014LS-1.01 a, b, and c	Contract Output: The Contractor shall meet all SRNS agreed upon scheduled milestones to plan & execute development of SRS Sustainability initiatives and High Performance Sustainable Buildings (HPSB) program objectives to meet scheduled site sustainability goals.  Description/Background:  DOE has approved a Complex-wide Strategic Sustainability Performance Plan. This plan addresses such topics as greenhouse gas emission reductions, High Performance Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to make progress toward goals established for 2015 and 2020. The benchmark for the HPSB 15% reduction is defined in Executive Order (E.O.) 13514 section 2(g).  Up to \$100,000 of the allocated fee will be paid for this Contract Output.
3	7/xx/14	Page 61-62, deleted milestone SRNS2014LS-1.01 a, b, and c	Number: SRNS2014LS-1-01 Date:-12/31/13, 1/31/14, 9/30/14 Fee:—\$100,000—fee is earned by meeting all milestones. Contract Output Completion Criteria: a. Develop the FY14 Site Sustainability Plan for the Savannah River Site in accordance with the DOE-HQ annual guidance document by 12/31/13. b. Prepare the SRS Consolidated Energy Data Report (CEDR) in accordance with annual DOE-HQ guidance documentation by 1/31/14. c. Continue development of High Performance Sustainable Buildings (HPSB) Program objectives by completing the following activities:  - Conduct lighting-specific walkdowns of facilities, to determine how to comply with the automated lighting controls objective associated required by the HPSB Guiding Principles and develop layouts summarizing how compliance will be achieved. Determine FY15 funding requirement to complete objective.  - Complete metering objective by installation of meter and establishing monthly meter-readings for all facilities in HPSB scope.

20			Update EPA Portfolio Manager database as needed to show status of HPSB objectives for all buildings  Acceptance Criteria:  DOE-SR-will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:  a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agencywide Strategic Sustainability Performance Plan.  b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE-HQ for use in DOE agency-wide data collection.  c. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.
3	7/xx/14	Page 65, added milestone SRNS2014LS-4.03	Number: SRNS2014LS-01 Date: 9/30/14 Fee: \$100,000 Contract Output Completion Criteria: For Site Services, demonstrate a rigorous process is in place and utilized for the execution of preventive maintenance (PM) field work. To maximize efficiency and effectiveness of the PM process, establish a central support services work planning process and develop and initiate implementation of an integrated schedule for PM execution that is in alignment with operating mission needs.  Acceptance Criteria: DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:  - Assess the planning center effectiveness through review and validation of planning center effectiveness metrics.
3	7/xx/14	Page 46-60, removed Karen Hooker's name per DOE-HQ request for PID Number SRNS2014SRNL.	Evaluate the integrated schedule effectiveness via schedule completion metrics.     Evaluate PM completion status vs PM baseline plan.  Removed Karen Hooker's name in in various places in the document.
3	7/xx/14	Page 21, added wording per DOE-HQ request in Section 9 of this document.	Contracting Officers and program officials shall consistently and accurately document real-time contractor performance and ensure that it is recorded both, in detail in the contract files and in the appropriate format in Contractor Performance Assessment Reporting System (CPARS).

#### 1. Purpose

This document serves as the Performance Evaluation Measurement Plan (PEMP) for fiscal year 2014 as identified in Section H-28, *Performance Based Incentives*, of Contract No. DE-AC09-08SR22470 between the U.S. Department of Energy (DOE) Environmental Management (EM) Savannah River (SR) and Savannah River Nuclear Solutions (SRNS) LLC, approved January 10, 2008.

Incentives are developed annually by DOE and SRNS to support mission strategies for the fiscal year and measure all work performed by the contractor during the evaluation period. The SRNS contract is a performance based contract for the management of a DOE facility governed by the provisions of FAR 17.6 and DEAR 917.6. It is a cost-reimbursement contract with provisions for a general performance fee and performance incentives as provided for in the clause in Section I entitled, DEAR 970.5215-1 Total Available Fee: Base Fee Amount and Performance Fee Amount.

The PEMP addresses development of the Performance Incentive Document (PID). This includes administration of performance measures at the contract level for total available fee defined in the contract, Section B, Supplies or Services and Prices/Costs. Incentives are approved only when funding is authorized for fee-bearing work.

National Nuclear Security Administration (NNSA) and EM incentives established under the contract are contained in the PEMP as attachments. The PEMP, incentive documents and revisions become part of the contract through contract modification.

NNSA works with DOE-SR to develop incentives for the site. Development, review and approval of incentives, and revisions, are managed through the program Head Contracting Activity; NNSA incentives are approved by the NNSA Program Administrator. The approved NNSA incentives are included as Attachment E.

#### 2. PEMP Integrated Project Team (IPT)

An Integrated Project Team (IPT) has been established in accordance with DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets. The team's charter defines specific roles and responsibilities of the IPT. IPT roles and responsibilities are further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan. Reference Attachment A, Integrated Project Team (IPT) Charter.

#### 3. The PEMP Process

The PEMP process for SRNS is based on fiscal year performance as identified in the contract. The PEMP process is further defined in Savannah River Implementing Procedure (SRIP) 412.1, *Performance Evaluation and Measurement Plan*.

# 3.1 Incorporating DOE, EM and Site Mission (tc "Incorporating DOE, EM and Site Mission into strategic Outcome, Outputs and Measures" \f C \l 3\}

The Savannah River Site publishes a Strategic Plan in support of DOE-EM and NNSA missions. The Strategic Plan articulates site vision and missions to successfully execute current missions, including sustainability and revitalization of site assets.

During the past several years federal and contractor staff worked together to define performance measures for strategies in order to develop performance statements, metrics and milestones. As a result of this effort, EM, NNSA and site missions are tied to the contract statement of work.

Functional areas of the contract Statement of Work identify mission-critical outcomes. Outputs and measures define how work is performed in order to meet the outcomes. This framework is used to develop criteria in the Performance Incentive Document (PID).

#### 3.2 Performance Planning and modifications

The PEMP is developed with federal and contractor staff input. Both federal and contractor parties strive to reach mutual agreement on expected business, operational and technical performance and work together to develop incentives, descriptions and associated measures tied to contract level objectives, DOE strategic goals and program objectives. Incentives and their associated fee demonstrate direct flow down of DOE strategic goals and priorities.

EM and NNSA headquarters contracting authorities review and approve the PEMP and any change to an incentive's total amount of available fee. The Contracting Officer (CO) reserves the right to make unilateral decisions on all performance objectives and incentives (including the associated measures and targets) used to evaluate contractor performance, including any modifications.

The contract fee is split between EM and NNSA and the ratio is approximately a 55/45 split, making the EM fee \$25M annually. This EM fee amount is then further subdivided to each PBS based on funding, complexity and risk. EM Headquarters has given the DOE-SR Contracting Officer authority to manage contract fee, up to \$25M, thus any subsequent PEMP changes that occur at the PBS level are managed and approved by the DOE-SR CO.

The PEMP is developed and approved prior to the beginning of each evaluation period. Only the CO can change the PEMP. No changes will occur to the PEMP in the last 60 days of the evaluation period, unless with bilateral agreement between the CO and the contractor.

#### 3.3 Risk Management

DOE site management uses an integrated risk management process for the EM life cycle. This process provides programmatic risk analyses of work, establishes a process for identification and management of risks and integrates risk data from prime contractors, including SRNS.

The SRS integrated approach to risk management ensures project teams and management are involved in risk identification, grading, handling, impact determination, and integration. The process concludes with preparation of the Risk & Opportunity Analysis Reports (ROAR) and contingency estimates contained in the DOE-SR Federal Risk Management Plan (FRMP) [SRS Risk Summary and Integrated Contingency Analysis]. Each project ROAR provides a summary description of the integrated approach employed in the development of a project risk plan.

An assessment process is used to identify risks and opportunities associated with each project. The risks and opportunities are analyzed and strategies developed to ensure risks are managed to acceptable levels and opportunities are identified to improve the probability of successful completion of the project work scope. A detailed description of the methodology employed for the risk and opportunity assessment conducted by each of the Integrated Project Risk Teams appears in *Manual E11*, *Procedure 2.62 Project Risk and Opportunity Analysis*.

#### 3.4 Performance Incentive Document (PID)

A Fee Allocation Model is developed by the IPT and is illustrated in Attachment B. It is used to illustrate distribution of fee based on weighting of funding, priority and complexity.

The PID is used to measure site level incentive outcomes and acceptance documentation. A PID includes: A Performance Outcome statement, Contract Output performance statements, metrics, Completion Criteria, and Acceptance (documentation) Criteria. The PID is further defined in Savannah River Implementing Procedure (SRIP) 412.1, Performance Evaluation and Measurement Plan.

#### 3.5 Other Incentives

Incentives negotiated as a result of the cost reduction process per SRNS-RP-2009-01188, SRNS Continuous Improvement System Implementation will be managed per SRNS Contract clause I.42, DEAR 970.5215-4, Cost Reduction, in conjunction with the SRNS Continuous Improvement Process.

The CO may mutually negotiate with the contractor additional available fee for additional work not covered by the available budget. The funds for such work and the associated available fee are funded through the contractor's efficiencies in accomplishing the

otherwise funded work. The additional work must be performed in a safe manner meeting all necessary requirements; and the performance of the additional work cannot affect the safe, proper performance of the otherwise funded work. Any additional work will be authorized in accordance with provision in the contract entitled, *Work Authorization System* and is considered above base scope. This additional work falls under the management of DOE O 412.1A, *Work Authorization System*.

Incentives created as a result of implementing the above contract clause and/or directive will be managed per separate contract requirements, and authorized through contract modification.

#### 4. Change Control

Performance incentives and fee allocation will not be changed unless there is a significant impact by a change to the scope of the contract, baseline or funding as directed by the government or government delay affecting the contractor's ability to achieve the stated performance incentives and measures in the PEMP. Any changes are subject to DEAR 970.5243-1, Changes, as provided in the contract and must be approved by the CO and Fee Determining Official (FDO).

- 1. All proposed changes to a PID will be discussed at scheduled Award-Fee Board /IPT meetings.
- 2. Following Fee Board/IPT discussion, the contractor will submit formal correspondence to the CO requesting the proposed change to the PID. The correspondence should include:
  - a. Any proposed change to the original incentive document
  - b. Proposed new incentives tied to the current Contract Performance Baseline (CPB)
  - c. Proposed fee allocation adjustment between current incentives and/or new incentives
  - d. Elimination of current incentives
- 3. Upon receiving correspondence from the contractor, the CO will consult the appropriate Assistant Manager/Office Director (AM/OD) and Subject Matter Expert to determine:
  - a. If the proposed change impacts the CPB
  - b. If the proposed change identifies new and/or unfunded scope
  - c. If the proposed change impacts multiple site organizations
- 4. If the proposed change *does not meet* any one of the above determinations, the CO will issue correspondence to the contractor approving such change to the PID that incorporates advice of the AM/OD and/or Subject Matter Expert.
- 5. If the proposed change *meets* any one of the above determinations, the CO will request the contractor develop and submit a Baseline Change Proposal (BCP) for review by the federal (site) configuration control board.
  - a. Following the recommendation of the federal configuration control board, the CO will issue correspondence to the contractor approving such change to the PID that incorporates the advice of the Fee Board.

<sup>&</sup>lt;sup>1</sup> Federal Acquisition Regulation (FAR) Subpart 16.401 requires an Award-Fee Board for conducting the award-fee evaluation.

- 6. The CO will issue a modification to the contract for any change to currently approved PID.
- 7. The CO may deny any proposed changes to the PID.

Action directed by CO correspondence is considered to be within scope of work of the existing contract. If the contractor considers that carrying out direction may increase contract costs or delay any delivery, the contractor shall promptly notify the CO orally, confirming and explaining the notification in writing as soon as possible, but within no more than five (5) working days. Following oral notification and submission of the written notice of impacts, the Contractor shall await further direction from the CO prior to implementing the action.

### 5. Federal Oversight of Contractor Performance

Central to administration of the contract is assessment of contract performance. All federal employees performing assessments are expected to understand terms and conditions of the contract. In order to verify performance, a systematic process of assessment, analysis, documentation and feedback will be required. A range of assessment techniques from data/metric reviews and analysis, to review of self-assessments by the contractor, to formal multidisciplinary assessments will be employed. The assessments will be tailored based on the level of definition of the work requirements and complexity of the function.

Procedures for assessing contract performance are described in the SR Manual (SRM) 226.1.1D, Integrated Performance Assurance Manual. The intent of the oversight processes described in the manual is to assure contractor compliance with contract requirements, provide for timely identification and correction of deficient conditions, verify effectiveness of completed corrective actions, and pursue excellence through continued improvement. Additionally, the manual is intended to assist DOE in implementing the site contractor oversight system (a management framework of related processes to determine whether federal and contractor assurance programs are performing effectively and/or complying with DOE requirements).

The contractor oversight system is founded on an integrated safety management system (ISMS), emulating DOE P 450.4A, Safety Management System Policy. SRM 226.1.1D describes processes comprising the contractor oversight system, which enables DOE to: (1) clearly communicate requirements and expectations to contractors; (2) assess the quality, effectiveness, and efficiency of contractor assurance systems and resulting work products in complying with contract requirements; (3) effect continuous improvement in contractors' operations; and (4) enhance the effectiveness of DOE-SR oversight of contractor performance.

The contractor oversight system provides DOE site management information needed to make informed decisions regarding both contractor and DOE performance and to determine whether program corrections are necessary. Communicating requirements and expectations to the contractor is an essential component in the contractor oversight system. Requirements and expectations are communicated through the Statement of Work, special clauses, contract modifications, and through technical direction by the CO or representative.

SRM 226.1.1D provides detailed requirements for standardized scheduling, planning, conducting, reporting, and follow-up and closure activities for Type 1, 2, and 3 Assessments. Assessments are designed to provide managers with meaningful, accurate, and current information on the status of program compliance, productivity, and quality. Use of standardized assessment methods is a key feature of DOE site performance assurance.

#### 6. Performance Evaluation

The evaluation criteria of this plan are applicable at the contract level **and not** to individual projects or work objectives under the contract. As such, although this plan uses subjective evaluations to rate the contractor and determine the final amount of fee earned for overall contractor performance, objective measurements of contractor performance are included in the plan to support the FDO evaluation and articulate to the contractor what is expected to be achieved for program success during the evaluation period. The actual fee determination and the methodology for determining fee remain unilateral decisions made solely at the discretion of the Government, although the final fee determination is subject to the Disputes clause.

The contractor documents completion of incentives in the electronic Fee Invoicing System (FIS) and forwards documentation to the relevant DOE organization technical representative, who in turn will perform a verification of documentation to confirm output criterion has been met. This may also require an in-field validation. Validation of the work will be accepted, in accordance with the performance criteria, and documented in the DOE-SR STAR system and the FIS.

Upon verification, recommendation is forwarded through management to the Award-Fee Board. The Fee Board verifies documentation provided demonstrates satisfactory completion according to PID requirements through presentation by the AM/OD, including peer-level discussion. Fee recommendation to the FDO will be made according to the PID.

The contractor may perform self-assessment of their performance. The Fee Board will review any assessment provided by the contractor. If the Fee Board does not concur with the contractor's self-evaluation and recommendation, all such disagreements shall be expressed in a performance evaluation letter to the contractor. The contractor shall submit written comments and any supporting documentation to the Fee Board within five (5) working days of receiving the evaluation letter. Within ten (10) working days of receiving any contractor comments or reclama, the Fee Board shall provide the FDO a recommendation, including amount, rationale, and justification.

Disputes that occur during verification, and resolution is not forth coming between the contractor and the appropriate AM/OD, will be resolved by the Performance Fee Board during regularly scheduled meetings.

#### 7. Payment of Fee

Fee described herein is earned based upon the contractor's performance of the overall contract level requirement during the evaluation period. The contractor begins the evaluation period with 0% of the available fee and earns fee during the evaluation period. The potential for the

contractor to earn 100% of the fee amount is a mutual goal as it demonstrates the program's objectives were clearly communicated and achievable.

The contractor requests provisional fee payment by submitting an invoice. Following verification by the relevant AM/OD a recommendation is forwarded to the Award-Fee Board and FDO. The FDO determines fee payment, following Award-Fee Board review and recommendation. Determination of fee earned is the unilateral decision of the FDO.

The contractor will be advised in writing of the amount and basis of the performance incentive fee determination. Performance incentive fee not earned during the performance period will not be allocated to future performance periods. However, fee may be allocated to new performance-based incentives as developed by the IPT, as long as the completion of the newly developed incentive does not extend beyond the evaluation period.

Fee is considered provisional throughout the performance period. The FDO unilaterally determines the total fee awarded to the contractor. Fee may be reduced per contract Section B.9, DEAR 970.5215-3 Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (JAN 2004) ALTERNATE II [JAN 2004] [DEVIATION].

Contract clause H-33, PROVISIONAL PAYMENT OF INCENTIVE FEE, allows provisional payment of fee for partial completion of subjectively evaluated [subjective] incentives. The contractor may request up to 50% of the total fee available for each subjective incentive. If requests are monthly, the contractor must use a 1/12 divisor; if requests are quarterly, then 1/4 divisor; if semi-annual, then 1/2 divisor. Provisional fee is not considered earned fee, and is contingent upon a final fee determination by the FDO.

Total available fee amount earned payments are made by direct payment or withdrawn from funds advanced or available under the contract, as determined by the CO. The CO may offset against any such fee payment the amounts owed to the government by the contractor, including any amounts owed for disallowed costs under the contract. No base fee amount, or total available fee amount, payment may be withdrawn against the cleared payments financing arrangement without the prior written approval of the CO.

The contractor has developed an automated FIS that uses measurement data from each PID. The contractor works with DOE to identify appropriate DOE approvers. The system assigns responsibility to each output so that the routing process ensures appropriate review by federal and contractor staff. Time limits are assigned to each step to ensure smooth processing and timely approvals. The system notifies responsible approvers when the review / approval allotted time has been exceeded.

#### 8. Government Furnished Services/Items (GFS/I)

GFS/I are factored into the final fee determination for this incentive contract. GFS/I are identified in the Basis of Estimates (BOE) found in WBS dictionaries for specific tasks. The purpose of the GFS/I are to identify inherent government responsibilities that may pose some level of risk to the contractor in completing incentives. GFS/I are the burden of the government,

mutually accepted as part of the performance agreement. If the Government fails to achieve GFS/I equitable adjustment may be made specific to the incentive. These adjustments, however, cannot exceed the maximum available fee for the specific incentive.

### 9. Reporting Requirements

Contracting Officers and program officials shall consistently and accurately document real-time contractor performance and ensure that it is recorded both, in detail in the contract files and in the appropriate format in Contractor Performance Assessment Reporting System (CPARS).

The contract requires each report must be accompanied by a letter or other document which:

- Identifies the contract number under which the item is being delivered; and
- Identifies the contract requirement or other instruction which requires the delivered item(s).

The contractor is responsible for maintaining all records and controlled documents related to the PEMP per DOE O 200.1A, *Information Management Program*, and DOE Order 243.1, *Records Management Program*.

#### Attachment A, Integrated Project Team (IPT) Charter

# INTEGRATED PROJECT TEAM (IPT) CHARTER

**IPT NAME:** PEMP Integrated Project Team (IPT)

**LEVEL OF IPT:** Savannah River Operations Office, Deputy Manager

#### IPT MISSION/OBJECTIVES

The IPT provides site senior federal management a process for evaluating and measuring performance tied to strategic goals. This charter defines roles, responsibilities, authorities and accountabilities for this process. The mission of the IPT is to enable performance and help avoid potential barriers to success.

The Deputy Manager is the DOE-SR Executive Sponsor of the IPT and Fee Board Lead. The IPT is comprised of federal and contractor employees. Federal members include the CO, Performance Incentive Managers, Technical Leads, NNSA SRSO Manager and NNSA NA-262. Contractor members include Management and Operations (M&O) Vice President for Business Services, SRNS Director of Contracts, and Technical Leads. The IPT is augmented as necessary with Subject Matter Experts and matrix support personnel (both federal and contractor) who possess specific competencies, skills and expertise required for successful execution of projects.

The CO has authority to make final decisions on all performance objectives and incentives (including associated measures and targets) used to evaluate Contractor performance, in accordance with the Contract, Section H-28 (b). The DOE-SR Site Manager is an ex officio member of the IPT. The Site Manager is the FDO.

#### SCOPE OF IPT RESPONSIBILITIES

#### IPT Executive Sponsor/ Fee Board Lead

The IPT Executive Sponsor also serves as the senior federal member of the Fee Board. The IPT Executive Sponsor is the federal official responsible for project success. In accordance with DOE O 413.3B, the IPT Executive Sponsor is responsible for the following:

- Charter and lead the IPT
- Schedule and hold IPT meetings
- Request support from DOE functional resources as required to resolve issues
- Lead Fee Board assessment and discussion of contractor performance
- Identify and resolve critical issues

#### IPT Members

Contract No. DE-AC09-08SR22470 Modification No. 451 Revision 3

IPT members are responsible for supporting the Executive Sponsor with technical and project management responsibilities during project execution. Members conduct and/or coordinate activities for their respective organizational element or functional area of responsibility. IPT members are responsible for the following:

- Ensure interfaces are identified, defined, and documented
- Review and assess performance and project status against parameters, baselines, milestones, and deliverables
- Support the IPT Executive Sponsor
- Review and comment on deliverables

The names of IPT members listed below are current as of the issue date of this charter. Names or functional responsibilities may change at the discretion of the IPT Executive Sponsor without having to modify or update this charter. The Table identifies IPT members, Fee Board members, and Technical Leads.

### Award-Fee Board Organization

The Fee Board is a subset of the IPT. The Fee Board is comprised of federal IPT members. Fee Board members discuss proposed revisions to PID and incentive documentation, review supporting documentation for fee payment determination, and make recommendations to the FDO via the Fee Board Lead.

The Fee Board is responsible for assuring quality assessments have been completed for feebearing work, and that the assessment has been formally documented per site directives before recommending payment of fee to the FDO.

### Fee Board Rules of Conduct

#### Call to Order:

The IPT Executive Sponsor, acting as Fee Board Lead, will call the Fee Board portion of the meeting to order following dismissal of all non-federal IPT members.

#### Fee Board presentation:

The Fee Board Lead will open the floor for federal staff to discuss IPT presentations regarding matters such as proposed revisions to PID, supporting documentation for fee payments, or general discussion of performance. The Performance Incentive Manager leads the presentation related to his/her PID. Other Fee Board members may discuss the presentation and make recommendations to the Performance Incentive Manager.

### Fee Board determinations:

Following Fee Board presentations, or if there are none, the Fee Board Lead will lead an informal review and discussion of completed fee-bearing work that is being considered for invoicing, including supporting documentation for fee payment determination. Performance Incentive Managers, or their designee, are responsible for discussing completion documentation and evaluation of performance of the fee-bearing work.

Following discussion, Fee Board members make a motion to:

- Accept the recommendation of the Performance Incentive Manager for the incentive as described in the invoice;
- Accept the recommendation of the Performance Incentive Manager, but request additional documentation be added to document satisfactory completion of the incentive as described in the invoice;
- Require additional documentation in order to recommend a determination.
- Require federal manager attend next scheduled Fee Board to discuss adequate documentation in order to recommend a determination.

Fee Board members may support, or second, the motion and provide discussion. No quorum is required for the Fee Board meeting. The Fee Board Lead, observing no objections, shall accept the motion with Manager NNSA SRSO, or designee, concurrence.

NAME	FUNCTION	ORGANIZATION		
MOODY, Dave	IPT Member [ex officio] DOE Fee Determining Official [FDO]	DOE-SR Site Manager		
SMITH, T. Zack SPEARS, Terrel, Acting	IPT Executive Sponsor/Co-Fee Board Lead	DOE-SR Deputy Manager		
HINTZE, Doug	IPT/Co-Fee Board Lead/Performance Incentive Manager	Assistant Manager for Mission Support (AMMS)		
MCGUIRE, Pat	IPT/ Performance Incentive Manager	Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)		
SPEARS, Terry	IPT /Performance Incentive Manager	Assistant Manager for Waste Disposition Project (AMWDP)		
ADAMS, Angelia	IPT/ Performance Incentive Manager	Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)(acting)		
HOOKER, Karen MCGUIRE, Pat	IPT/ Performance Incentive Manager	Director, Office of Laboratory Oversight (OLO)		
DEAROLPH, Douglas	IPT/Fee Board Member/Performance Incentive Manager	Manager NNSA SRSO		

CLARK, William	IPT/ Performance Incentive Manager	Manager NNSA NA-262
LOVETT, James	IPT Member [ex officio] Fee Board Member	Contracting Officer M&O Contract
DAVIS, Peggy	IPT Member	Vice President SRNS Support Services
TEMPLE, John	IPT Member	Director SRNS Contracts Management
CHRISTIAN, John	DOE IPT Technical Lead	Program Analyst for Mission Planning Division
PENNINGTON, Michele GREGORY, Johnna	SRNS IPT Technical Lead	SRNS Contracts Management

### Attachment B, Fee Allocation Model

### **Funding Assumptions for Fee Allocation**

Funding for fiscal year 2014 represents targets SRNS will use in the FY14-18 Baseline Update, with DOE-SR concurrence. These funding targets reflect a "reasonable" program that is regulatory compliant. Any changes to these funding targets will require analyses to determine impacts at the Contract Output level.

### Fee Allocation (based on current funding assumptions)

Funding comes from EM Project Baseline Summaries (PBS) and NNSA funds. Funds are divided into two categories: contract scope cost is directly funded (direct). Scope cost for support activities funded indirectly by placing a tax on individual funds. See table below for FY14 estimated funding:

Est. Funding	Funding Source:		
\$254,992,000	PBS 11C		
43,130,000	PBS 12		
50,137,000	PBS 13		
51,809,000	PBS 30		
23,339,000	PBS 20 (EM Safeguards & Security)		
\$423,407,000	Total EM Funding		
101,528,000	Nuclear Nonproliferation Funding		
239,460,000	Defense Programs Funding		
12,868,000	NNSA Safeguards & Security		
\$777,263,000	Total Projected Funding without Minors and WFO [NOTE: This does not include ESS/Legacy pension support to SRR (PBS 14C)]		

The M&O contract identifies \$46,535,000 available fee for the contract period (October 2013 through September 2014). When the fee is subtracted from the Total Projected Funding, the fee base in entire fiscal year 2014 becomes \$730,728,000.

For fiscal year 2014, EM provides 55 percent of the Total Projected Funding, while NNSA provides 45 percent. This percentage is used to allocate the contract fee between EM and NNSA. For fiscal year 2014, EM will manage \$25M of fee applied to incentive work for the evaluation period. NNSA will manage \$21M of fee applied to incentive work for the evaluation period.

Performance Incentive Documents in Attachment C (EM) and Attachment D (NNSA) were developed based on the current President's budget for fiscal year 2014, adjusted by DOE-SR. Work described is based on the current contract. Actual performance of contract outputs may be revised based on an approved fiscal year budget, continuing resolution, program execution

guidance, and/or available funding. All work is performed within existing financial agreements and authorization.

EM Fee is distributed based on the projected funding as indicated below:

PBS	President's Budget	Fee Distribution
PBS 11C	\$254,992,000	\$15,267,000
PBS 12	\$43,130,000	\$2,582,000
PBS 13	\$50,137,000	\$3,002,000
PBS 30	\$51,809,000	\$3,102,000
PBS 20	\$23,339,000	\$1,397,000
EM Funding / Fee	\$423,407,000	\$25,350,000

The following is the DOE-SR EM suggested incentives summary by program for the fiscal year 2014 performance period:

Program	Objective	Subjective	Total
Nuclear Material Stabilization (AMNMSP)	\$8,800,000		\$8,800,000
Environmental Stewardship (AMIES)	\$3,490,000		\$3,490,000
Waste Disposition (AMWPD)	\$1,800,000		\$1,800,000
Landlord Services (Includes: SRNL, Planning, Infrastructure, Landlord Services, Safety, Safeguards & Security, ESSH)	\$6,260,000	\$5,000,000	\$11,260,000
Total	\$20,350,000	\$5,000,000	\$25,350,000

Contract No. DE-AC09-08SR22470 Modification No. 451 Revision 3

### Attachment C, EM Performance Incentive Documents for fiscal year 2014



# Performance Incentive Document

SRNS2014EMO	
Environmental Management Operations	
1.29.20.04, 1.29.20.05	
October 1, 2013 -	September 30, 2014
\$8,800,000	
<del>12</del>	
formance Incentive	Pat McGuire Assistant Manager for Nuclear Material Stabilization Project (AMNMSP) Allen Gunter
	Environmental Ma 1.29.20.04, 1.29.2 October 1, 2013 - \$8,800,000

#### **Contract Performance Outcome:**

Receive, store, ship, and disposition nuclear materials in a safe, and secure manner. Operate and maintain the H Canyon Complex to support disposition of nuclear materials. Receive Foreign Research Reactor (FRR) and Domestic Research Reactor (DRR) used nuclear fuel (UNF) in L Basin in coordination with the NNSA Nuclear Nonproliferation Program and other applicable DOE programs. Expand KAC capacity with construction of the Final Storage Vault and expand capabilities with implementation of planning activities for WIPP blending while maintaining DOE-STD-3013 DE surveillances. Implement risk reduction actions at 235-F and reduce F-Area costs.

### Contract Output SRNS2014EMO-01:

Receive, characterize, and disposition materials in H-Area.

#### Description/Background/Justification:

Activities associated with the contract outputs support receipt and disposition of vulnerable used nuclear fuels (UNF), FRR/DRR (when authorized), and down-blending of oxides for shipment to WIPP to support DOE Strategic Objectives. These objectives include:

maximizing risk reduction of surplus nuclear materials, supporting nuclear nonproliferation, and utilizing SRS facilities to disposition surplus nuclear materials.

### Up to \$3,900,000 \$4,300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.01	9/30/14	\$200,000	Ship one LEU trailer to Areva for TVA contract.

### Acceptance Criteria

DOE-SR will validate the LEU shipment via the MC&A Form 741 transfer documentation for the one LEU shipment. GFSI: Vendor must be ready to receive trailers by 7/1/14.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.02	6/30/14 9/12/14 9/30/14	a.\$300,000 b.\$200,000	<ul> <li>a. Complete SRE charging and dissolution.</li> <li>b. Transfer 2 dissolver batches of SRE to a sSludge bBatch 9.</li> </ul>

### Acceptance Criteria

DOE-SR will review H Canyon procedures or engineering memo documenting completion of charging, dissolution and sludge batch transfer. GFSI: SRR provides window by 7/1/14

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.03	9/30/14	\$500,000 \$250,000; \$125,000 fee paid 1 <sup>st</sup> and 2 <sup>nd</sup> each quarters.	Charge two bundles of UNF or Pu to the H Canyon dissolver or probe the dissolver twice per shift crew per-in quarters 1 and 2 to maintain proficiency.

#### Acceptance Criteria

DOE-SR will review H Canyon dissolver probing procedure 221-H-1987 or actual dissolver charging procedure to ensure a minimum of two actual UNF or Pu bundles or two dissolver probings were completed for each shift each quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000;	Perform 1 <sup>st</sup> or 2 <sup>nd</sup> Canyon Cold Run, DCS
EMO-1.04		\$125,000 fee paid	Simulator Cold Run or actual hot ops to address equipment operability and maintain operator
		each	proficiency. (Due to Liquid Waste Min., only two
		quarter.	1 <sup>st</sup> -Cycle and two 2 <sup>nd</sup> -Cycle Cold Runs per year.

### Acceptance Criteria

DOE-SR will review the completed quarterly Cold Run Operations start-up and shut-down procedures and summary data sheets for the one cold run performed for that quarter.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Prepare and issue a revised H Canyon Resumption
EMO-1.05			Plan each quarter.

#### Acceptance Criteria

DOE-SR will review the SRNS issued quarterly H Canyon Resumption Plan to ensure appropriate elements.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.06	9/30/14	\$500,000	Dissolve one batch of Pu (approximately 20 kgs).

DOE-SR will review dissolving procedures or MC&A signed data sheet.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	a.\$150,000	a. Implement Waste Min. action to revise the
EMO-1.07	4/30/14	,	sump flush program to track transfers.
	(a and b)	b.\$150,000	b. Implement Waste Min. action to recycle HB-
			Line column waste for use in 6.4D discontinue
			use of scrubber jumper on Hot Canyon
	9/30/14		neutralization tanks.
	(c, d and	c.\$150,000	c. Implement Develop Waste Min. action to
	e)		improve neutralization formula for WAC
			implementation optimize recycle HB-Line
			column raffinate or use in 6.4D so it is ready to
			implement.
		d.\$150,000	d. Implement Waste Min. action to refine LAW
			operation and acid stripping process. process
			Replace reboiler vessel of Acid Recovery Unit.
		e.\$150,000	e. Load two burial boxes with failed equipment
			from the warm canyon and ship to E Area.

### Acceptance Criteria

DOE-SR will review the implemented Liquid Waste Minimization actions by procedure or document review and ensure actions are consistent with the Nuclear Materials System Plan:
a) Review Sump Flush procedures and confirm procedures are in accordance with the NCSE;
b) Review of neutralization procedures; c) Review HB-Line Raffinate Reuse Evaluation; d)
Walkdown and/or review construction work packages; e) Review characterization forms for loaded burial boxes.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-1.08	9/30/14	a.\$500,000 \$145,000	a. Complete HFIR planning preps Submit SRNS modified and approved OSA-7 and complete the analytical work to develop proposed HFIR Criticality Safety Limits associated with receipt and dissolving of HFIR material. with the exception of the H-Canyon NCSE/DSA revision, flowsheet, hydrogen generation study, dissolver insert and storage rack design, fabrication, and installation that may not be completed if funding/staffing is limited.
	6/30/14 9/30/14	b. <del>\$100,000</del> <b>\$200,000</b>	b. Perform evaluation of attractiveness level "C" Complete dissolving operations preps and initate MTR campaign by dissolving one UNF charge. material for H-Canyon dissolution.

7	7/7/14	c. \$505,000	100000	Complete ventilation tunnel inspection with
				crawler, reduced by \$25K for each week after
				7/7/14. No fee after 9/1/14.

DOE-SR will a) review the completed HFIR planning preps SRNS modified and approved OSA-7 for HFIR (prepared in accordance with 10 CFR 830 and DOE Order 460.1C) and HFIR Criticality Safety Limits (prepared in accordance with DOE-STD-3007-2007). the completed evaluation of attractiveness level "C" UNF material. b) Verify the bundles have been dissolved as determined by probing (procedure review). c) Review video from crawler inspection or view real time and ensure accessible/desired areas were inspected.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	a. \$250,000	Complete Canadian Liquid unloading and piping
EMO-1.09	6/30/14	55	Design.
			a. SRNS submit the Canadian Liquid Receipts conceptual design package in support of a DOE-SR CD#1.
	9/30/14	b. \$100,000	b. SRNS submit revised and approved H-Canyon Double Contingency Analysis (DCA) to include Canadian Liquids.

#### Acceptance Criteria

DOE-SR will a) review Canadian HEU Liquid unloading and piping design documents. Liquid Receipts conceptual design package in support of a DOE-SR CD#1 (prepared in accordance with DOE Order 413.3; design requirements and inputs per SRNS-U1000-2014-00030, dated 2/11/14 and per guidance provided by letter from McGuire to Hunt/Girard dated 2/25/14). b) review SRNS approved, revised H Canyon DCA that includes Canadian Liquids (prepared in accordance with DOE-STD-3007-2007 and applicable ANSI/ANS standards).

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$150,000	Implement all actions needed to resume WIPP
EMO-1.10	9/30/14	\$300,000	blending. Complete PVV filter (5.7F) flush
			including procedure development for performing
			the flush, establishing piping routes, discard of the
			filter flush solution to LW and completion of the
			Unreviewed Safety Question Evaluation (USQE).

#### Acceptance Criteria

DOE-SR will review procedures and documents to verify ready to resume WIPP blending. DOE-SR will review the SRNS completed procedures and USQE documentation (prepared in accordance with 10 CFR Part 830 and DOE G 424.1-1).

#### Contract Output SRNS2014EMO-02:

Receive, store, characterize and disposition surplus plutonium and uranium materials in K Area.

#### Description/Background/Justification:

K Area will continue to perform surveillance of the DOE-STD-3013 containers in storage. K Area will continue to receive and store containers of surplus plutonium and uranium from off-site. K Area facilities will initiate the planning to allow disposition of surplus plutonium oxide for future transfer to WIPP. K Area will continue with construction of Final Storage Vault.

Up to \$2,000,000 \$1,550,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.01	9/30/14	\$500,000; \$125,000 paid quarterly.	Prepare, receive, and store containers of surplus plutonium and uranium from LANL in K Area in accordance with the schedule maintained by DOE-SR.

### Acceptance Criteria

DOE-SR will review SOP-PHS-001-K to verify receipts to KAC or review operator and FLMs MSA qualifications to verify facility is ready to receive.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.02	9/30/14	\$225,000; \$25,000 per can, invoiced quarterly.	Complete 9 Destructive Evaluation (DE) Surveillances on DOE-STD-3013 Storage Containers.

#### Acceptance Criteria

DOE-SR will review K-Area Interim Surveillance Log Sheet (FRM-CSS-002-K or equivalent) and the Surveillance Program Authority (SPA) Data Set 1 parameters for the DE sample.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$100,000	K Area will submit to DOE the SRNS approved
EMO-2.03			DSA/TSR supporting Final Storage Vault (FSV).

#### Acceptance Criteria

DOE-SR will review the SRNS approved DSA/TSR supporting FSV FSV (prepared in accordance with 10 CFR 830).

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.04	8/31/14	\$250,000	Complete Final Storage Vault (FSV) project construction and ensure the project is progressing toward a 12/31/14 project completion date and within a \$27.2M base project TPC (\$11.5M FSV scope + \$15.7M original scope) as established in BCP SRNS13M0042 R1.

#### Acceptance Criteria

DOE-SR will review	v the completed FSV	construction project documents.
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Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$500,000	Complete Readiness Assessment on DSA Rev.
EMO-2.05	9/30/14	\$50,000	10/TSR Rev. 41 to expand K Area capabilities.
			In preparation for future Pu disposition operations
			in K-Area, qualify 1 additional FLM as a DE
			Handling Supervisor and 3 additional production
			operators as NDE or DE Handling Operators.

DOE-SR will review FLM and operators qualifications to verify individual certifications. observe RA activities as desired and review the RA declaration of readiness.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$200,000;	K Area will perform Pu measurements on 20
EMO-2.06		\$10,000 per	different cans.
		can.	

### Acceptance Criteria

DOE-SR will review the non-destructive analysis measurement form.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.07	9/30/14	\$125,000	Support IAEA Inventory Inspections.

#### Acceptance Criteria

DOE-SR will validate that KAC personnel provided adequate preparation and support during the IAEA Inventory inspections.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-2.08	9/30/14	\$100,000	Replace the Final Storage Vault roof at either the +34 (Final Storage Vault) or the +48 level depending on roofer's evaluation.

#### Acceptance Criteria

DOE-SR will review the roofing subcontractors completion document or the 8Q-51 safety walkdown (OSR 20-22) completed by SRNS.

### Contract Output SRNS2014EMO-03:

Reduce risks at 235-F and improve F-Area infrastructure.

### Description/Background/Justification:

This contract output supports innovative and cost effective means to implement the 235-F risk reduction Implementation Plan actions while reducing costs to the F-Area baseline.

Up to \$900,000 \$800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.01	3/30/14	\$100,000	Revise F-Canyon Complex Surveillance and Maintenance (S&M) Plan to allow transition to reduced S&M.

DOE-SR will review the revised SRNS approved F-Canyon Complex S&M Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	a. \$50,000	a. Determine feasibility to reduce to a single 292-F
EMO-3.02			exhaust fan operation mode with a single 254-13F
			"SS" Diesel.
	9/30/14	b. \$50,000	b. If the feasibility study supports reducing to a
		\$100,000	single exhaust as well as a single generator, and
			DNFSB supports this concept, issue design to
			support a single 292-F exhaust fan operation mode
			with a single 254-13F "SS" Diesel. SRNS is to
			perform the canyon ventilation test to validate the
			end state recommendations of using a single 292-F
			exhaust fan.

### Acceptance Criteria

DOE-SR will review the canyon ventilation test report. SRNS approved feasibility study for a single 292-F exhaust fan supported by a single 254-13F "SS" diesel generator and the design to support the implementation.

Number	Date	Fee	Contract Output Completion Criteria:	
SRNS2014 EMO-3.03	9/30/14	\$50,000	Determine the feasibility of stopping water intrusion to 221-F RR Tunnel and 800 Underground Cell.	

### Acceptance Criteria

DOE-SR will review the SRNS approved water intrusion feasibility.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.04			Deleted in Rev 1.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-3.05	9/30/14	\$650,000; \$550,000; paid at completion of each action item as noted.	SRNS will complete the following 235-F Risk Reduction Actions and provide to DOE for review. approximately 30 days before the DOE IP commitment date as noted in the "Date" column: g. Deliver the Graded EP Drill Report (Action 3-4). (\$50,000) h. Complete a Readiness Assessment for the Deactivation BIO and submit RA Report (Action 1-4). (\$100,000)

<ul> <li>i. Complete removal, isolation, or encapsulation of Fixed Combustibles and provide a final report to DOE (Action 2a-3). (\$150,000)</li> <li>j. Complete Electrical De-energization scope and provide a final report to DOE (Action2b-2).</li> </ul>
(\$150,000) k. Complete installation and acceptance of the FDAS and provide a final report to DOE (Action 2c-3). (\$150,000)-(\$200,000) l. Complete planned cell infrastructure tasks and report completion (Action 1-3). (\$50,000)

DOE-SR will review the SRNS approved and completed 235-F IP actions.

### Contract Output SRNS2014EMO-04:

Receive, unload, and store Used Nuclear Fuel (UNF) in L Area.

### Description/Background/Justification:

L-Area will continue to provide receipt and unloading support for off-site fuel, loading/shipping of UNF to H Canyon to disposition the UNF, and Augmentinged Monitoring and Condition Assessment Program (AMCAP) support to maintain the facilities in a safe and operable condition.

Up to \$2,000,000 \$2,150,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	<b>Contract Output Completion Criteria:</b>
SRNS2014 EMO-4.01	9/30/14	\$500,000; \$125,000 paid quarterly	Receive and unload FRR/DRR fuel per schedule.

#### Acceptance Criteria

DOE-SR will review Cask Data Sheets for casks received and unloaded against the Receipt and Unloading Schedule Agreement. During quarters that fuel is not received, documentation will be provided for review showing readiness to receive was maintained.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.02	9/30/14	\$500,000 \$100,000	Complete UNF Preps for HFIR readiness with the exception of the L-Area DSA, OSA-7 and the new eask insert (if required) which are dependent on funding and staffing. Submit SRNS approved DSA, DCA, NCSE, NSDS, and 302 Manual documents to support HFIR onsite shipment

EMO-4.07

Acceptance Criteria

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r et tot mance E	taluativii aliü	Measurement Pla	n R
			activities and perform modifications to cask CD3 for insert fit-up.
Acceptance	Criteria	English Latery	
		HFIR plannir	ng preps were completed with the exception of the L-
		3 T	t (if required). and validate completion of the SRNS
			nd 302 Manual (prepared in accordance with DOE-
			S standards and 10 CFR 830) and review cask
modification			
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	6/30/14	\$500,000	Complete the vacuuming removal for removal of
EMO-4.03		\$400,000	"cob webs" from the top of the fuel bundles from the basin and resurvey the basin per G-ESR-L-00014.
Acceptance	Criteria		
		e basin vacuui	ming activities or observe the basin following the
			nove the "cob webs" from the top of the fuel and
review SRNS			
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$500,000	Complete NRU/NRX interim schedule milestone.
EMO-4.04		\$250,000	Complete the Startup turnover of the Unloading Station to Operations.
Acceptance	Criteria		
package(s). Stesting (IP-2	Startup testin Container,	ng is depender different bas	STR114 is complete by review of the completed won at on AECL delivery of components required during ket types, caddies, dummies, etc.) represented by estone was completed on schedule.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$200,000	Submit SRNS approved Basin Mod DSA/TSR.
EMO-4.05		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Submit States approved Basin Mod BS/1/15R.
Acceptance	Criteria		
		SRNS approx	ved DSA and TSR and validate that the changes
			be been incorporated into the documents (developed in
		421.1-2 and 4	
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	D&R the STS system in support of the basin
EMO-4.06	7/30/11	\$250,000	modification project.
Acceptance	Criteria		meanion project
DOE-SR wil	l validate th	at D&R of the	e STS system has been field complete by review of
Number	Date		CONTRACTOR OF THE PROPERTY OF
		Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Galvanic Corrosion – Complete galvanic isolatio

of at least one bucket.

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DOE-SR will validate that galvanic isolation field work was completed on at least one bucket in support of the AMCAP program by review of completed work packages and with walk-throughs.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.08	9/30/14	\$50,000	Perform initial material characterization tests (compression, microstructure, pH, chemical, microscopic) on designated concrete samples from C Basin and review preliminary results with AMCAP Independent Review Committee (IRC).

### Acceptance Criteria

DOE-SR will validate that the AMCAP IRC has reviewed the preliminary test results produced by the AMCAP Team.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.09	9/30/14	\$100,000	SRNS to remove debris, failed equipment and/or items preventing retrieval of the foil press and shear from the Basin.

### Acceptance Criteria

DOE-SR will validate that the items have been removed from the Basin/Facility by visual examination.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 EMO-4.10	9/30/14	\$50,000	Complete ranking and prioritization of isolated and non-AL failed fuel containers based on vulnerability for extended wet storage as approved by the AMCAP IRC.

### Acceptance Criteria

DOE-SR will validate that the AMCAP IRC has reviewed and approved the ranking and prioritization results produced by the AMCAP Team.



# Performance Incentive Document

SRNS2014SW		
Solid Waste		
1.29.32.25		
October 1, 2013 –	September 30, 2014	
\$1,800,000		
0		
rformance Incentive	Terry Spears Assistant Manager for Waste Disposition Project (AMWDP)	
livision manager:	Jim Folk	
	Solid Waste  1.29.32.25  October 1, 2013 –  \$1,800,000  0  rformance Incentive	

#### **Contract Performance Outcome:**

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall ensure that the handling, treatment, storage, transportation and disposal of the remaining "legacy" and the newly generated solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

The Contractor shall manage and integrate site-wide solid waste recycling, treatment, storage, disposal and transportation activities and implement waste minimization/pollution prevention initiatives. The Contractor shall also provide on-site/off-site waste generators with technical support and verification of compliance with waste acceptance criteria, including Safety Basis and Performance Assessment objectives.

### Contract Output: SRNS2014SW-01

There are two areas of primary focus taken from the Contract Performance Outcome: 1) ensure the transportation, handling, storage, and disposal of low level waste is environmentally sound, cost effective, and in compliance with DOE Directives, applicable regulations, and requirements; and 2) continued disposal of legacy TRU waste.

### Description/Background/Justification:

Timely disposal of LLW will facilitate waste generators' normal operations, prevent potential spread of contamination, ensure regulatory compliance, reduce the need for waste storage space, maximize labor resource utilization and reduce the overall cost of SRS waste management. DOE Order 435.1 drives the timely disposal of wastes generated at DOE sites. The ARRA program remediated and repackaged legacy TRU wastes into WIPP compliant packaging. This waste has been WIPP certified or was identified as LLW and is awaiting disposal. Disposal of the legacy TRU is also a high priority for the State of South Carolina.

Up to \$1,800,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.01	9/30/14	\$800,000; \$200,000 per quarter	LLW will be disposed in a timely manner such that in-storage time will be < 3 months in duration.  Exceptions may be approved by DOE upon request.

### **Acceptance Criteria**

DOE will perform validation by reviewing, on a quarterly basis, the time in storage for the LLW not permanently disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.02	6/30/14	\$400,000	TRU – Complete disposal of all legacy TRU packaged in SLB2s via TRUPACT-III shipments. Assumptions for this incentive include: 4 shipments per week; 6 week WIPP shipping outage and various non-shipping holidays during the period of performance.

### **Acceptance Criteria**

DOE will perform validation by reviewing the remaining legacy TRU inventory and assuring that all of the SLB2s have been disposed.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.03	9/30/14	\$500,000	Complete disposal of all legacy, contact handled, TRU waste at the WIPP Site. This includes all LLW and MLLW re-characterized from the TRU legacy program. This incentive assumes that DOE-CBFO will continue to fund characterization and shipping and provide adequate shipments. SRNS will work a 40 hour work week. Containers WMPSLB022C, WMPSLB018B, SR21524413, and SR21524414 are excluded.

#### **Acceptance Criteria**

DOE will perform validation by reviewing Waste Inventory Tracking System (WITS) reports and documented legacy waste identified in the "Original Volume Tracking" Excel spreadsheet.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SW-1.04	9/30/14	\$100,000	A closure plan for TRU Pad 16 and modifications to the TRU Pad Volume of the Site RCRA Permit will be submitted to DOE-SR in support of submittal to SC-DHEC. The modifications will include reduction of prescriptive wording (e.g. requirement to be radiologically non-contaminated) and provide a sound technical rational for both the modifications and the closure plan.
Accentance	Criteria		

Acceptance Criteria

DOE will perform validation by accepting the closure plan and proposed permit modification.



# Performance Incentive Document

PID Number:	SRNS2014ACP		
Activity Name: Area Completion I		Project	
WBS Number:	1.29.32.01, 1.29.32.02, 1.29.32.03, 1.29.32.04, 1.29.32.05, 1.29.32.06		
Performance Period:	October 1, 2013 –	September 30, 2014	
Allocated Fee:	\$3,490,000		
Revision Number: 0			
Senior level manager/Perf Manager:	ormance Incentive	Karen Guevara Assistant Manager for Infrastructure & Environmental Stewardship (AMI&ES)	
Senior level supervisor/division manager:		Angelia Adams	

#### **Contract Performance Outcome:**

Meet all regulatory commitments, develop and implement alternative long range strategies, technologies and approaches in the refinement of the Area Completion Strategy and long-term stewardship.

### Contract Output SRNS2014ACP-01:

Meet all FFA Milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments due between October 1, 2013, and September 30, 2014, as described in the Federal Facility Agreement for the Savannah River Site (Administrative Document #89-05-FF) and the SRS RCRA Part A & B Permits (SC 1890 008 089) to meet the Area Completion Strategy.

### Description/Background/Justification:

Full compliance with all Area Completion Project FFA milestones, RCRA Permit and CERCLA Record of Decision (ROD/Interim ROD) commitments will allow SRS to meet regulatory requirements that will meet the Area Completion Strategy to clean up the SRS and reduce the Site footprint. Establishing regulatory commitments and milestones is the most direct way for the regulators and stakeholders to measure the progress of DOE EM cleanup activities at SRS. The regulatory and stakeholder support of the SRS depends on continued full regulatory compliance and achievement of commitments and milestones.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	3/31/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.01			milestones are achieved from October 1, 2013,
			through March 31, 2014.

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$1,250,000	All RCRA Permit commitments and FFA
ACP-1.02			milestones are achieved from April 1, 2014,
			through September 30, 2014.

### Acceptance Criteria

All FFA milestones and RCRA Permit commitments are met by the milestone/submittal dates. Documentation is provided demonstrating that milestone/submittal dates were met which will be verified by a DOE ACP review of Document Status information and/or the Administrative Record File. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

### Contract Output: SRNS2014ACP-02:

Evaluate additional EC & ACP groundwater sampling and reporting activities to identify opportunities to reduce costs within PBS-30 and ESS.

### Description/Background/Justification:

In FY 2012, DOE-SR incentivized the development of a comprehensive Groundwater Monitoring and Reporting Optimization Plan and Report (SRNS2012ACP-02) that identified opportunities for optimization of monitoring networks and reductions in the long-term costs of groundwater monitoring at units where mature and established groundwater programs were underway. In 2013, DOE incentivized SRNS to negotiate and implement optimization activities consistent with the plan (SRNS2013 ES-12.01 and 12.02).

This Phase II proposal is to develop a similar Groundwater Monitoring and Report Optimization Plan that will focus on the remaining groundwater units that were not included in Phase 1 because they did not have a mature established monitoring program under RCRA/CERCLA or because they are associated with regulatory programs other than RCRA and CERCLA, such as Underground Storage Tanks, Landfills and the Clean Water Act.

## Up to \$500,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-2.01	2/28/14	\$250,000	Prepare and provide to DOE ACP a Groundwater Optimization Plan by 2/28/14.

### Acceptance Criteria

SRNS –EC & ACP will provide a Phase II Groundwater Monitoring and Reporting Optimization Plan that will provide for identification and documentation of opportunities for groundwater optimization of monitoring networks/reporting and reductions in the long-term costs of groundwater monitoring for groundwater units, that was not included in the Phase I Plan.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$250,000	Prepare and provide to DOE ACP a report
ACP-2.02			documenting the groundwater monitoring and
			reporting optimization opportunities.

### Acceptance Criteria

SRNS will provide a report outlining the results of the groundwater monitoring evaluation to DOE and DOE will approve. DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

### Contract Output SRNS2014ACP-03 (Deferred from FY 13):

Automate environmental field and analytical data to automatically generate routine reports and improve reporting capability. Program and deploy electronic field devices to replace the use of paper logbooks to improve quality of field data collection. Program data collection system to automatically generate routine reports to improve speed and overall accuracy of data reporting.

### Description/Background/Justification:

DOE SR is obligated to collect, manage, maintain and report environmental data to meet requirements of DOE Orders and environmental regulations and statutes, including DOE Order 458.1, Radiation Protection of the Public and Environment and RCRA, CAA, CWA, and CERCLA.

The Environmental Restoration Data Management System (ERDMS) is used to manage environmental monitoring data. This system requires extensive manual data review and tracking of data generating reports of varying quality. Also, field monitoring results are collected in paper logbooks and collection accuracy is highly dependent on minimizing human error. Routine reports are generated with a high level of human involvement.

### Up to \$390,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	7/31/14	\$150,000	Program and deploy handheld devices to transfer
ACP-3.01			monitoring data directly into ERDMS.

#### Acceptance Criteria

EC & ACP will demonstrate and will document the use and effectiveness of electronic handheld devices to collect field information and data transfer into ERDMS vs. the use of paper field logbooks for effluent monitoring and environmental surveillance programs.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$240,000	Modify ERDMS to automatically generate routine
ACP-3.02			monitoring reports.

### **Acceptance Criteria**

EC & ACP will demonstrate and document the development and implementation of program to generate automated environmental reports, such as the Monthly Discharge Monitoring Reports, the Monthly Radiological Releases Reports, the Wildlife Hunt Reports, and the Weekly and the Quarterly Tritium Reports by reviewing the reports for completeness, accuracy and compliance with reporting deadlines.

EC & ACP will provide documentation to demonstrate compliance with site requirements including QA, software, and information control.

EC & ACP will provide documentation of benefits and provide estimate of cost, time or resource savings.

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.

### **Contract Output SRNS2014ACP-04:**

Complete characterization of Building 690-N to support future Deactivation and Decommissioning.

### Description/Background/Justification:

Building 690-N (Ford Building) is a high risk facility with significant radiological and PCB contamination. The facility is deteriorating and requires frequent maintenance to mitigate the spread of existing contamination. A Decommissioning Plan was completed and submitted to DOE in FY 13 (Contract Output SRNS2013ES-16.01) that included recommendations for characterization to quantify the nature and extent of contamination and condition to support future D&D of the facility.

The Ford Building is a steel frame/siding structure constructed in the early 1950s to test motor control packages for the R, P, L, K and C Reactors. In the 1960s, the structure was modified to support the repair and rework of Reactor heat exchangers. Key facilities and/or structures associated with 690-N include:

- 652-44N electrical substation and fuel oil containment dike (provided electricity and fuel oil for heating to the building).
- Deionizer trailer (used to remove radiological contaminates from Reactor disassembly basin water), and
- Transport trailer (utilized to haul heavy loads between Reactor areas and stored adjacent to the 690-N Building).

PCB-contaminated oils were used in milling/lathe operations for heat exchanger repair in 690-N (Ford Building). In 1997, these PCB-contaminated oils were found to have contaminated equipment and the floor in the building. An initial clean-up was performed and the residual contamination was encapsulated with a floor coating in 1998. Inspections conducted since 1998 continue to reveal areas where PCB-contaminated oil has migrated up through the floor coating, necessitating regular maintenance and reapplication of the coating material. The extent of PCB contamination below the 690-N Building is undetermined. The Deionizer trailer is not thoroughly characterized, but is assumed to contain lead and high levels of radiological contamination based on the conditions of trailers used for similar purposes at the SRS.

### Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 ACP-4.01	8/31/2014	\$100,000	Complete characterization of the 690-N Ford Building and its ancillary equipment and facilities (652-44N, Deionizer and Transport Trailers).

#### **Acceptance Criteria**

EC & ACP will complete and document characterization completion of Building 690-N and its ancillary equipment and facilities. The result are needed to support future deactivation and decommissioning and removal/remedial action(s)

DOE-SR will validate acceptance of the incentive based on a review of the documentation provided.



# Performance Incentive Document

PID Number:	SRNS2014SRNL		
Activity Name:	Savannah River National Laboratory (SRNL)		
WBS Number:	Numerous		
Performance Period:	October 1, 2013 – September 30, 2014		
Allocated Fee:	\$4,750,000		
Revision Number:	1		
Senior level manager/Performance Incentiv Manager:		Pat McGuire Director, Office of Laboratory Oversight Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)	
Senior technical advisor:		Patrick Jackson Jay Ray	

#### **Contract Performance Outcome:**

SRNL's three-fold mission is to enable the success of SRS and the Office of Environmental Management (EM) operations and projects, to provide technical leadership for future site missions, and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government. The vision for SRNL is to be the nations' premier laboratory in Environmental Management, National & Homeland Security, and Energy Security (Source: SRNS Contract).

### Contract Output: SRNS2014SRNL-01 (Pat McGuire)

Deliver Disposition Paths for Nuclear Material.

### Description/Background/Justification:

SRS's unique facilities and capabilities enable it to support consolidation and processing of nuclear materials from other DOE facilities as well as other U.S. and foreign sources. This is important for reducing nuclear and proliferation threats, avoiding the additional costs of protecting materials at multiple sites and enabling closure of other facilities that are no

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### longer needed.

The Site will continue to safely and securely store nuclear materials (plutonium, enriched uranium, used nuclear fuel, and other nuclear materials) pending disposition to meet commitments to the State of South Carolina.

#### Plutonium

SRS has been placed in a lead role by DOE to dispose of plutonium from the cleanup of weapons facilities throughout the DOE Complex.

Plutonium from the cleanup of weapons facilities (non-pit plutonium) has been primarily consolidated at SRS where, depending on future decisions, it is planned to be disposed of by a variety of alternative means including;

- Packaging (including blending as needed) and shipping to the Waste Isolation Pilot Plant (WIPP) in New Mexico
- Converting to reusable nuclear fuel by dissolving Pu in H Canyon, converting to Pu Oxide in HB-Line for future processing at MOX

### **Highly Enriched Uranium**

SRS has the capability to support the DOE complex-wide effort to down blend excess HEU to a more useable and less proliferable low enriched uranium (LEU) enrichment. The LEU is provided to a commercial fuel vendor. The vendor uses the LEU to manufacture commercial nuclear fuel for use in commercial reactors for the generation of electricity. Additional LEU commitments from the processing of Used Nuclear Fuel (UNF) will be made to TVA. Receipt of Canadian Liquid Uranium is another source to meet LEU deliveries.

#### **Used (Spent) Nuclear Fuel**

SRS supports the nation's nonproliferation goals by receiving U.S. owned/loaned HEU fuel from foreign countries. The UNF is safely being stored in L Basin pending disposition.

SRNL provides technical support and consultation for this mission.

### Up to \$650,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-1.01	9/30/14	\$225,000	Provide technical support to Nuclear Materials for the Plutonium Surveillance Program including 3013 Destructive Examination (DE) program, and continuation of plutonium shelf life corrosion studies and 9975 life extension testing.
			a. Complete FY14 data set 2 analyses for # DE packages.

		Complete unloading of Series 3 of shelf life studies. Complete FY14 annual report on 9975 Life Extension o-ring test fixtures.
Accordance Criter	,	

DOE-SR will perform validation of the following:

- a. Loading and initial data sheets for Series 3 of shelf life studies.
- b. FY14 data set 2 analyses for 3013 Program.
- c. FY14 annual report on 9975 Life Extension o-ring test fixtures.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-1.02	9/30/14	\$75,000	Provide technical support to Nuclear Materials for the Spent Fuel Program.
			a. Complete extracted basin core testing and prepare and issue degradation evaluation report.
			b. Complete revision of corrosion surveillance program plan to include increase in coupon withdraw and analysis schedule; new rack material; and automated characterization and optimized corrosion analysis.
			c. Complete report for detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.  Report to include corrosion, thermodynamic and kinetic analysis for fuel clad systems to
			provide estimate of fuel and internal water activity conditions.  d. Complete analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel (sectioned SS, zircaloy stored in OS canisters) including
			evaluating particulates and hydrogen generation from radiolysis and corrosion.

### **Acceptance Criteria**

DOE-SR will perform validation of the following:

- a. Degradation evaluation report.
- b. Revision of corrosion surveillance program plan.
- c. Report on detailed corrosion analysis of the can-specific inventory of fuel/clad sections in oversized canister.
- d. Analysis of handling and transportation challenges from L to H area in damaged and vulnerable fuel.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$350,000	Develop and demonstrate flowsheets and
SRNL-1.03			equipment for application in H-canyon/HB-Line.

	Potential scope could include:
	a. Fabrication and deployment of crawler to
	inspect ventilation system.
	b. Flowsheet development for next set of
	material to be processed.
	c. Program to reduce the amount of waste sent
	to the Tank Farms.
	d. Provide requested support to H-Canyon for
	processing used Nuclear Fuel (UNF) such as
	Hydrogen Generation Studies.
Acceptance Criteria	

DOE-SR will perform validation of the agreed upon items for FY14.

### **Contract Output SRNS2014SRNL-02:**

Deliver products and services that reduce technical risk and enhance the schedule of liquid high level waste dispositioning. SRNL will enable DOE-EM mission success by providing the increased scientific and technological rigor needed to support EM program and project planning, technology development and deployment, project execution, and assessment of program outcomes.

#### Description/Background/Justification:

EM's goal is to reliably complete radioactive liquid waste treatment, safely manage the treated waste and meet DOE commitments to close the liquid waste tanks, while incorporating new technology and to enhance efficiency. In so doing, EM is closing the circle on the legacy of radioactive liquid waste.

At SRS, the insoluble sludge solids from tank waste are vitrified at the Defense Waste Processing Facility (DWPF) and converted into a solid glass form. The salt waste is processed to remove of the radioactivity with the decontaminated salt solution being disposed onsite in grout at the Saltstone facility. The Tank Closure Program at SRS has made significant progress. Tank Closure Program activities are on schedule to meet or exceed all Federal Facility Agreement commitments.

At Hanford, construction is well underway on the Pretreatment and Vitrification facilities. SRNL experience at SRS can be utilized to support flowsheet and other technology development activities.

In addition to the contractor support efforts described above EM has commissioned the SRNL to coordinate the engagement of the national laboratory community to bring the scientific and technological rigor needed to evaluate/prioritize alternatives, define/execute technology development as appropriate, and provide the DOE with an "owners

representative" to inform decisions and reduce technical and programmatic risks in conjunction with PNNL. Under this direction, and consistent with their role as Federally Funded Research and Development Centers (FFRDC), the SRNL/PNNL team will work closely with DOE site offices, contractors and other national laboratories to establish a framework for sustainable laboratory engagement and collaboration.

In addition to the strategic role for EM, SRNL will execute technology development tasks for EM-20 that support the EM Complex.

Up to \$1,245,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$700,000	Execute scope to provide technical bases,
SRNL-2.01			characterization results, consultation in support of
			SRS Tank Waste Projects. These efforts are likely
			to include support for the following:
			a. DWPF/Saltstone waste form, flowsheet,
			sludge batch qualification. Qualify next
			sludge batch including developing
			processing options and frit formulation -
			dependent on SRR schedule for canister production.
			b. Tank Farm sample characterization,
			corrosion program. Perform sample
			characterization (dependent on sample
			needs) and support corrosion control program.
			c. Tank Closure sample characterization.
			Characterize any closure samples received
			to determine residual material left in tanks.
			d. Salt Processing. Qualify needed salt
			batches and support deployment of next generation solvent.
			e. Tank Closure/Saltstone Waste Disposition.
		]	Support SRR PA work through modeling
			and experimental scope - dependent on
			facility needs.

### Acceptance Criteria

DOE-SR will perform validation of the programs supported.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.02	9/30/14	\$470,000	To maintain and enhance SRNL as a pre-eminent center for research, development, and deployment of technologies to cleanup the environmental legacy of the Nation's nuclear programs, SRNL

<del></del>	
	will lead and execute scope for Hanford by
l I I I I I I I I I I I I I I I I I I I	providing technical bases and consultation. Scope
1 1	to include:
] ] ;	a. Develop program execution plans for Grand
	Challenge efforts in support of high level waste
	processing at the Hanford site. Complete first
	phase of experimentation as part of these
	programs. Participate on the Hanford Tank
	Waste Disposition Integrated Flowsheet
	development team. Perform flowsheet
	evaluations and provide definition of key
	interfaces and waste acceptance criteria.
	b. Perform work for Hanford Contractors
]	including WRPS and WTP.
	- Complete full scale mixer testing in
	support of Caststone work
	- Complete experimentation on Tc
	removal options selected during
	downselection
	- Develop conceptual design and fabricate
	test equipment in support of the waste
	qualification effort
	c. Continue leadership of the National Laboratory
	Technical Authority Team in support of the
	WTP Full Scale Vessel Qualification Testing
	Program.
	- Define and qualify the instrumentation
	to be used during the full scale
	demonstration effort. Develop the
	simulant to be used during this
	instrument qualification and the first
	phase of testing
Accomtomos Critorio	

DOE-SR will perform validation of the programs discussed above.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-2.03	9/30/14	\$75,000	Provide technology development for EM-20. This is important to establishing SRNL as the EM National Laboratory. These efforts include:  a. Develop and issue the next generation performance models and complete oxidation front experimentation studies in support of the Cementitious Barriers Partnership.  b. Issue technical report/journal article on the next phase of long term glass corrosion modeling

		work.		
Acceptance Criteria				
DOE-SR will perform validation of the programs supported.				

### **Contract Output SRNS2014SRNL-03:**

Develop and deploy Next Generation Cleanup Technologies.

### **Description/Background/Justification:**

The environmental cleanup of SRS will continue to receive emphasis for the foreseeable future as we reverse the environmental impact from legacy operations performed on the Site. With each success, the Site becomes safer for future generations and less costly to maintain. These cleanup operations are not trivial nor are they straightforward.

SRS has had to develop new and innovative applied technologies in order to accomplish much of the cleanup. This will continue to be the case as the cleanup challenges get more and more difficult. SRS plans to make these new technologies available across the country and internationally to assist others in their own cleanup efforts. SRS technological expertise and knowledge in cleanup has been highlighted to assist Japan in the remediation efforts at the Fukushima-Daiichi Nuclear Power Station.

SRNL efforts are likely to include programs in Environmental Compliance & Area Completion Projects (EC&ACP), Solid Waste Management (SWM), Technology Development for EM-10, and programs to support Japan's remediation of the Fukushima site.

Up to \$470,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:	
SRNS2014	9/30/14	\$50,000	Provide technical support for SRNS Environmental	
SRNL-3.01			Compliance & Area Completion Projects including	
			products and services in meeting regulatory	
	Ì		milestones and deliverables as well as developing	
			and transitioning to passive environmental	
			technologies and approaches for waste site	
			remediation. This scope includes the following	
			activities: MAPSL SVE Investigation for Vadose	
			Zone CAP, MetLab BaroBall Wells Investigation	
			for Vadose Zone CAP, Southern Sector Aerobic	
			Stimulation Bench Test, Sampling and Analysis	
			Supporting TNX Edible Oil Treatability Study,	
			PAGW OU Characterization, and Timely GC	

			Analysis of Soil Gas, Soil, and Groundwater Samples from EC & ACP.
Acceptance	Criteria		
DOE-SR wil	l perform v	alidation of the	e programs supported.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.02	9/30/14	\$160,000	Provide technical support for SRNS Solid Waste Management. SRNL plans to:
			<ul> <li>a. Develop and submit to DOE the FY 2014 Performance Assessment Maintenance Plan.</li> <li>b. Develop and submit to DOE the FY 2014 Composite Analysis Maintenance Plan.</li> <li>c. Develop and submit to DOE the FY 2013 PA Annual Review report.</li> <li>d. Develop and submit to DOE the FY 2013 CA Annual Review report.</li> <li>e. Develop and submit to SWM the UDQE to assess new modeling information.</li> <li>f. Complete and issue TBD reports.</li> </ul>
Accentance	Criteria		
Acceptance DOE-SR wi		alidation of th	e programs supported.
		validation of th	e programs supported.  Contract Output Completion Criteria:
DOE-SR wi	ll perform v		Contract Output Completion Criteria:  Provide technical development for EM-10 on Environmental Compliance (EM-11), Soil & Groundwater Remediation (EM-12), D&D and Facility Engineering (EM-13).  a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.  b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.  c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD
Number SRNS2014 SRNL-3.03	Date 9/30/14	Fee \$100,000	Contract Output Completion Criteria:  Provide technical development for EM-10 on Environmental Compliance (EM-11), Soil & Groundwater Remediation (EM-12), D&D and Facility Engineering (EM-13).  a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.  b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.  c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD developments.
Number SRNS2014 SRNL-3.03	Date 9/30/14	Fee \$100,000	Contract Output Completion Criteria:  Provide technical development for EM-10 on Environmental Compliance (EM-11), Soil & Groundwater Remediation (EM-12), D&D and Facility Engineering (EM-13).  a. Provide LFRG technical support activities and technical support for the DOE Order 435.1 update.  b. Applied Field Research Initiative (AFRI) technology development and ASCEM User Interface, Tank Demonstration, and testing at F-Area.  c. In Situ Decommissioning (ISD) Sensor Network Test Bed and further ISD

SRNS2014	9/30/14	\$100,000	SRNL is the EM's Corporate National Laboratory	
SRNL-3.04			across the EM complex and will seek to diversify	
			its customer base and funding sources for SRNL to	
			increase efficiencies for the benefit of all of its	
			customers. SRNL will provide technical support	
	ļ		and expertise, and global leadership in support of	
			Fukushima cleanup and remediation efforts that	
			may include the following:	
		1	a. Lead development and negotiations of new	
			business contract(s) with Tokyo Electric Power	
·			Company (TEPCO) in Japan.	
			b. Execute PNNL partnership to support technical scope of contract with TEPCO.	
			c. Work with governmental agencies (Department	
			of Energy, Department of State, etc.) to identify	
	ļ		and establish SRNL leadership in U.S.	
	1		government efforts supporting Fukushima	
	1		remediation by the Ministries in the	
		1	Government of Japan (MOE, METI, MEXT,	
			etc.).	
			d. Deliver emergent support to Fukushima cleanup	
			based on EM laboratory leadership, capabilities	
	<u></u>		and expertise.	

DOE-SR will perform validation of the following:

- a. Negotiated contract(s) with TEPCO.
- b. PNNL partnership performance.
- c. SRNL participation or leadership in governmental agency support to Fukushima remediation.
- d. Validate laboratory support to emergent Fukushima cleanup issues. Validation will include pass/fail consideration for the above listed components.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-3.05	9/30/14	\$60,000	Relocate the Packaging Certification Program (PCP) Docket files from Germantown, Maryland to Savannah River National Laboratory. Transition the EM-33 PCP Docket Manager from Eagle Research to SRNL.

Acceptance Criteria

DOE-SR will perform validation of the programs supported.

### **Contract Output SRNS2014SRNL-04:**

Develop Solutions to Close and Better Secure the Nuclear Fuel Cycle.

### Description/Background/Justification:

SRNL helps develop the nations' used (spent) nuclear fuel cycle initiatives through participation in the DOE Fuel Cycle Research and Development (FCR&D) Program. This is facilitated by SRNL leadership in Clean Energy initiatives aligned with the DOE Sustainability Plan goals.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	As part of the SRNS Contract, SRNL will provide
SRNL-4.01			technical leadership for future site missions, and
			utilize its technical expertise to provide vital
	l .		national and regional support in achieving the
			broader goals of DOE and the federal government,
			and maintain and enhance the core competencies
			that are necessary to support assigned and future
			missions of EM and NNSA programs at SRS. As
			part of this mission, SRNL will develop and lead
			the nations used (spent) nuclear fuel cycle
			initiatives through participation in the DOE Fuel
			Cycle Research and Development (FCR&D)
		· [	Program. Perform DOE-NE FCR&D program
			funded work activities as specified in the Program
			Information Collection System NE (PICSNE)
			defined in terms of cost, schedule and technical
			performance. Complete all required Level 2 and
			Level 3 milestones (number TBD) for the Used
			Fuel Disposition Campaign, Separations and Waste
			Forms Campaign, and Fuel Cycle Options
			Campaign.

#### **Acceptance Criteria**

DOE-SR will perform validation of the following: completed reports, presentations, and publications identified in the funded DOE-NE FCR&D scope.

### **Contract Output SRNS2014SRNL-05:**

Reduce greenhouse gas emission via Clean Alternative Energy Project.

### Description/Background/Justification:

SRNL facilitates complex-wide accomplishment of the DOE Sustainability Plan goals

through innovative leadership in Clean Energy activities in support of DOE renewable energy strategic initiatives.

SRNL continues to be heavily involved in a number of initiatives that will reduce greenhouse gases in accordance with Executive Order 13514. SRNL's Hydrogen Storage Engineering Center of Excellence will continue to advance the concept of clean fuels based on the hydrogen technology that SRS has developed over years of tritium research and production. SRNL has a number of other projects to reduce greenhouse gas emission, including solar and methane, which is a key SRS strategic initiative and goal for EM sites.

Up to \$325,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-5.01	9/30/14	\$325,000	The vision for SRNL is to be the nation's premier applied science laboratory in Environmental Management, National and Homeland Security, and Energy Security. As part of the efforts in Energy Security the following Clean Energy Projects will be completed:
			a. Hydrogen Storage Engineering Center of Excellence-Technical Work Scope: Complete design and begin assembly of a two liter prototype cryo-adsorbent hydrogen storage prototype.
			b. Basic Science: Have accepted for publication in the area of energy storage and conversion three technical articles in peer reviewed journals with impact factors = >3.
			c. Methane opportunities for Vehicular Energy - Complete a test station for evaluation of a two liter prototype methane adsorption system meeting the DoE technical targets.
			d. SunShot "Low-Cost Metal Hydride Thermal Energy Storage System for Concentrating Solar Power Systems" - Complete FY14 milestone: Complete system model and evaluate at least one metal hydride material pair capable of meeting DOE SunShot thermal energy storage targets as defined in Statement of Project Objectives.
			e. SunShot High Temperature Corrosion Analysis of Molten Salt Systems for CSP Applications. Commission high temperature thermal gradient and fluid flow corrosion apparatus system for molten salt systems as outlined in Statement of

-	Project Objectives (	(SOPO).

DOE-SR will perform validation of the following:

- a. EERE program management acknowledgement of requirements delivered as specified.
- b. Copies of acceptance letters and 2013 journal impact factors.
- c. Completed test station and approved HAP.
- d. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.
- e. Draft annual report for SRNL Year 2 experimental testing work to EERE SunShot review by 9/30/14.

### **Contract Output SRNS2014SRNL-06:**

Expand the SRNL presence in National Security.

### Description/Background/Justification:

SRNL support for DOE-IN Nuclear Materials Information Program.

SRNL utilizes its technical expertise to provide services and products for the DOE-IN. The DOE-IN Nuclear Materials Information Program (NMIP) develops and maintains a comprehensive information system on foreign special nuclear materials (SNM) capable of being utilized in nuclear weapons. This system is maintained on classified networks and is updated with current intelligence annually.

SRNL technical support for DOE-IN Foreign Nuclear Program.

SRNL utilizes its technical expertise to provide services and products for DOE-IN's Foreign Nuclear Program. SRNL provides technical analysis and programmatic support to DOE-IN and to other agencies within the United States Intelligence Community (USIC). National Laboratories and their Field Intelligence Elements (FIE's) provide DOE's technical input to all issues of weapons production and utilization by foreign nuclear programs. SRNL's FIE provides important technical leadership, analysis and input on current issues, foreign facilities and weapons materials production.

The SRNL counterintelligence program primarily consists of an expansive awareness function, a counterintelligence investigative capability, an analysis element and a multifocused cyber component. The Senior Counterintelligence Official (SCIO) leads the integrated counterintelligence effort against foreign intelligence, terrorism threats directed at SRNL, and also has direct managerial oversight for the overall performance of the office, personnel and financial management of the CI program.

Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-6.01	9/30/14	\$200,000	The vision for SRNL is to be the nation's premier applied science laboratory in Environmental Management, National Security, and Energy Security. As part of the work on National Security, SRNL will provide technical support for DOE-IN as follows:
			a. Deliver to US Policy Makers technical reports and assessments of foreign nuclear weapons programs that have been reviewed and published by DOE-IN.
			b. Update 100% of the Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible.
			c. Promote Counter Intelligence (CI) site-wide by conducting awareness briefings and training for all on-site contractors.

DOE-SR will perform validation of the following:

- a. Technical reports and assessments of foreign nuclear weapons programs have been reviewed and published by DOE-IN.
- b. 100% of Nuclear Materials Information Program (NMIP) assessments for which SRNL is responsible are updated.
- c. CI awareness briefings and training are completed for all on-site contractors.

#### **Contract Output SRNS2014SRNL-07:**

SRNL Infrastructure Sustainment.

#### Description/Background/Justification:

SRNL offers a unique combination of capabilities, equipment, and infrastructure that are not available anywhere else in the United States. Although SRNL was originally built as a part of the nuclear weapon complex to maintain the U.S. nuclear deterrent, the facilities obtained and constructed for that purpose represent a significant asset to the site, region, and country and it is poised to solve National issues. The SRS vision targets SRNL to be the central hub as SRS expands its business segments to address DOE needs that capitalize on historic SRS competencies and capabilities. SRNL will actively seek ways to revitalize and present these assets for more wide-spread beneficial use.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$300,000	SRNL will implement High Priority Safety Basis
SRNL-7.01		, , , , , ,	scope and nuclear infrastructure improvements as
			defined in the approved FY14 SVS Implementation
			Plan as developed between DOE-SR OLO and
			SRNL. This Implementation Plan will be updated
			as needed and on an annual basis to:
			a. Meet selected project milestones for identified
			High Priority DNFSB Scopes.
			b. Complete Safety Basis scope improvements.
Acceptance	 Criteria	l	to complete datas, data datapa imple ventana.
		ompletion vali	dations per the FY14 SVS Implementation Plan.
DOD DIK WII	i portorni e	ompionon van	dations per the 11115 vs implementation 1 har.
Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$390,000	As defined in the approved FY14 SVS
SRNL-7.02			Implementation Plan jointly developed by DOE-SR
			OLO and CDNIL complete A Disclessinders
		1	OLO and SRNL, complete A Block window
Acceptance	Criteria:		replacements with no adverse impact to EM Liquid
		ompletion vali	replacements with no adverse impact to EM Liquid
		ompletion vali	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.
DOE-SR wil	l perform c	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:
DOE-SR wil	l perform c	<u>.</u>	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that
DOE-SR will Number SRNS2014	l perform c	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility
DOE-SR will Number SRNS2014	l perform c	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS
DOE-SR will Number SRNS2014	l perform c	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction
DOE-SR will Number SRNS2014	l perform c	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes
DOE-SR will Number SRNS2014	l perform c	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS
DOE-SR will Number SRNS2014	Date 9/30/14	Fee	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes
Number SRNS2014 SRNL-7.03	Date 9/30/14  Criteria:	Fee \$695,000	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS
Number SRNS2014 SRNL-7.03  Acceptance DOE-SR will	Date 9/30/14  Criteria:	Fee \$695,000 ompletion vali	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.  dations per the FY14 SVS Implementation Plan.
Number SRNS2014 SRNL-7.03  Acceptance DOE-SR will	Date 9/30/14  Criteria: perform of	Fee \$695,000	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:
Number SRNS2014 SRNL-7.03  Acceptance DOE-SR will  Number SRNS2014	Date 9/30/14  Criteria:	Fee \$695,000 ompletion vali	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Implement the SRNL Infrastructure Plan to reduce
Number SRNS2014 SRNL-7.03  Acceptance DOE-SR will	Date 9/30/14  Criteria: perform of	Fee \$695,000	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Implement the SRNL Infrastructure Plan to reduce operational cost by facility and scientific instrumen
Number SRNS2014 SRNL-7.03  Acceptance DOE-SR will Number SRNS2014	Date 9/30/14  Criteria: perform of	Fee \$695,000	replacements with no adverse impact to EM Liquid Waste mission work.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Complete candidate IGPP capital projects that support restoration and sustainment of facility infrastructure as defined in the approved FY14 SVS Implementation Plan. Complete Construction Maintenance Orders and major maintenance scopes as defined in the approved FY14 SVS Implementation Plan.  dations per the FY14 SVS Implementation Plan.  Contract Output Completion Criteria:  Implement the SRNL Infrastructure Plan to reduce

DOE-SR will perform completion validations per the FY14 SVS Implementation Plan.

#### Contract Output SRNS2014SRNL-8:

Conduct effective laboratory management.

#### Description/Background/Justification:

Utilizing a comprehensive and integrated approach, SRNS will document and continue implementation of a path forward to: improve the overall institutional management of SRNL; establish a comprehensive vision for the future; and effectively apply innovative solutions to meet DOE mission needs.

Up to \$75,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SRNL-8.01	9/30/14	\$75,000, paid upon completion of items a-b	<ul> <li>a. Provide a framework that allows for documentation of laboratory management for 1) Effective use of partnerships (internal, academic, community, government agencies, etc.), 2) Maintenance of core competencies and retention of employees, 3) Improvement in internal business processes and goals, 4) Business unit strategies, and 5) Effective use of recommendations from external reviews.</li> <li>b. Proceed with implementation of the University Relations Program Plan developed in FY13.</li> </ul>

#### Acceptance Criteria

DOE-SR will perform validation of the following:

- a. Documentation of the improved institutional management of SRNL.
- b. Implementation Status Report for the FY13 University Relations Plan.



### Performance Incentive Document

PID Number:	SRNS2014LS			
Activity Name:	EM Landlord Se	EM Landlord Services		
WBS Number:	Various / Indirec	Various / Indirect		
Performance Period:	October 1, 2013	- September 30, 2014		
Allocated Fee:	\$1,510,000			
Revision Number:	+2			
Senior level managers:		Angelia Adams, Acting AM Infrastructure & Environmental Stewardship (AMI&ES) Doug Hintze, AM Mission Support (AMMS)		
Senior level supervisor/division manager:		David Bender Nick Delaplane		

#### Contract Performance Outcome:

The Contractor shall execute assigned landlord responsibilities and provide a range of services to other organizations doing work on the Savannah River Site. This section includes Site Services and Business Services.

#### Contract Output SRNS2014LS-01: (Deleted in Rev. 3.)

The Contractor shall meet all SRNS agreed upon scheduled milestones to plan & execute development of SRS Sustainability initiatives and High Performance Sustainable Buildings (HPSB) program objectives to meet scheduled site sustainability goals.

#### Description/Background/Justification:

DOE has approved a Complex-wide Strategic Sustainability Performance Plan. This plan addresses such topics as greenhouse gas emission reductions, High Performance Sustainable Buildings (HPSB), water use, and pollution prevention/waste elimination. DOE sites have been tasked to make progress toward goals established for 2015 and 2020. The benchmark for the HPSB 15% reduction is defined in Executive Order (E.O.) 13514 section 2(g).

#### Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
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SRNS2014	12/31/13	\$100,000	a. Develop the FY14 Site Sustainability Plan
LS-1.01	12/31/13	fee is earned by	for the Savannah River Site in accordance
<del>LD-1.01</del>		meeting all	with the DOE HQ annual guidance
		milestones:	•
			document by 12/31/13.
	1/21/14		1. D
	1/31/14		b. Prepare the SRS Consolidated Energy Data
			Report (CEDR) in accordance with annual
	l		DOE-HQ guidance documentation by
			<del>1/31/14.</del>
	9/30/14		
			c. Continue development of High Performance
			Sustainable Buildings (HPSB) Program
		;	objectives by completing the following
		Į	activities:
			Conduct lighting-specific walkdowns of
			facilities, to determine how to comply with
	İ		the automated lighting controls objective
			associated required by the HPSB Guiding
			Principles and develop layouts summarizing
			how compliance will be achieved.
			Determine FY15 funding requirement to
			<del>complete objective.</del>
			<ul> <li>Complete metering objective by installation</li> </ul>
		1	of meter and establishing monthly meter
			readings for all facilities in HPSB scope.
			- Update EPA Portfolio Manager database as
			needed to show status of HPSB objectives
			for all buildings

#### Acceptance-Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Evaluate the FY14 SRS Annual Sustainability Plan and transmit the Plan to DOE-HQ for use in the DOE agency-wide Strategic Sustainability Performance Plan.
- b. Evaluate the FY14 SRS Consolidated Energy Data Report and transmit the Report to DOE HQ for use in DOE agency-wide data collection.
- e. Evaluate documentation associated with the High Performance Sustainable Buildings Program including review of layouts that summarize compliance to program objectives and FY15 funding requirements.

#### **Contract Output SRNS2014LS-02:**

The Contractor shall develop and implement cost efficient approaches to reduce government liability.

#### Description/Background/Justification:

Initiatives are needed to address site energy costs and infrastructure support of current and future missions. Site Services will also evaluate organizational practices to identify efficiency gains and cost improvements and achieve government liability reduction where appropriate.

#### Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-2.01	5/31/14	\$150,000	Partnering with DOE in the negotiation of a new five-year contract with South Carolina Electric & Gas Company, including the following:  • Participate with DOE in the contract development process and negotiation of terms and costs.  • Provide financial analysis through evaluation of life cycle cost options for the contract.

#### Acceptance Critieria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Review SRNS Contract-involvement summary report
- Evaluate the effectiveness of SRNS involvement and recommendations concerning the development of the new contract and rate structure.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$150,000	Develop an Infrastructure Alignment Plan/Study
LS-2.02			that outlines infrastructure right sizing
		ł	recommendations, including footprint reduction
			that will coincide with current and future
			missions, SRNS baseline operations and funding
	İ		profile (e.g. facilities, roads, infrastructure
			systems, etc.) Implement infrastructure right-
]			sizing recommendations as approved by DOE and
	<u> </u>		as funding is available.

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Perform walkdown of the targeted systems/processes for the scope.
- Evaluate effectiveness of recommendations.

• Validate evidence of implementation.

#### **Contract Output SRNS2014LS-03:**

The Contractor shall meet all SRNS agreed upon scheduled milestones to actively seek cost effective opportunities to reduce government liability and benefit the community through the DOE Asset Revitalization Initiatives and Programs.

#### Description/Background/Justification:

The identification, leveraging, revitalization, and disposition of site assets reduce EM liability, minimize lifecycle cost, and achieve Footprint reduction. Wherever it is cost effective, utilize the SRS Community Reuse Organization to provide additional opportunities to benefit the surrounding community. Site Services will continue to evaluate consolidation of facilities, services and functions for cost improvements.

#### Up to \$110,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$110,000	Outsource the SRNS ESS Facilities Maintenance
LS-3.01		:	and ensure success by providing business and
			technical leadership.

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate documentation defining transition process.
- Review and evaluate effectiveness of the transition support.

#### **Contract Output SRNS2014LS-04:**

The Contractor shall meet all SRNS agreed upon scheduled milestones to cost effectively maintain SRS plant systems, components, structures, and also improve maintenance processes to meet site missions and positively address deferred maintenance issues.

#### Description/Background/Justification:

Procedure Manual 1Y, Conduct of Maintenance, is established for effective management of plant systems, structures and components at the Savannah River Site. These standards comply with the requirements of the Department of Energy (DOE) Order 433.1B, Maintenance Management Program for DOE Nuclear Facilities. The requirements ensure a safe and cost effective maintenance program at SRS.

Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.01	9/30/14	\$100,000	Continue the implementation of the Maintenance Paperless Work Package. Achieve 10% more EM paperless work packages completed in FY14 compared to the average of last four months in FY13 as baseline.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- · Randomly sample electronic work packages.
- Evaluate trending results for EM facilities.
- Evaluate Time & Cost savings documentation.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.02	9/30/14	\$100,000	Continue the implementation of the Preventive Maintenance (PM) optimization process.  • Evaluate and incorporate Predictive Maintenance (PdM) in the process.  • Demonstrate savings in overall efficiency gain.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Verify the PM baseline.
- Evaluate effectiveness of the optimization process.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-4.03	9/30/14	\$100,000	For Site Services, demonstrate a rigorous process is in place and utilized for the execution of preventive maintenance (PM) field work. To maximize efficiency and effectiveness of the PM process, establish a central support services work planning process and develop and initiate implementation of an integrated schedule for PM execution that is in alignment with operating mission needs.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Assess the planning center effectiveness through review and validation of planning center effectiveness metrics.
- Evaluate the integrated schedule effectiveness via schedule completion metrics.
- Evaluate PM completion status vs PM baseline plan.

#### Contract Output SRNS2014LS-05:

The Contractor shall sustain and/or modernize site facilities/infrastructure, provide quality Shops services to achieve mission goals/milestones and ensure a safe and secure workplace for all SRS personnel.

#### Description/Background/Justification:

The SRS infrastructure is approaching 60 years old. Over the past 10 years, funding for infrastructure repairs/replacement declined considerably due to budget challenges. The Critical Infrastructure Integrated Priority List (CIIPL) was implemented to identify the most critical projects for SRS. The Contractor will execute funded projects and provide quality Shops services to ensure a safe and secure workplace for all SRS personnel.

#### Up to \$400,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-5.01	9/30/14	\$300,000	Execute Infrastructure modernization/ improvement Utility system projects, sustaining activities and liability reduction work scope (e.g. water systems, electrical distribution system, etc.).

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate Summary Report and perform field walkdown of completed activities consistent with infrastructure IPL.
- Review Final Acceptance Inspection (FAI) documents or Work Packages of completed work scope.
- Before and after photographs of completed modernization work scope as feasible.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-5.02	9/30/14	\$100,000	<ul> <li>Evaluate the Critical Infrastructure Integrated         Priority List (CIIPL) process and further improve the data content for better use as a tool for funding allocation.     </li> <li>Evaluate and report CIIPL effectiveness through an analysis of the disposition of CIIPL projects from the prior 3 years.</li> </ul>

#### **Acceptance Criteria**

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- Evaluate CIIPL documentation.
- Review the updated CIIPL quarterly or as-needed.
- Evaluate data improvements.
- Evaluate CIIPL effectiveness report.

#### **Contract Output SRNS2014LS-06:**

#### **Real Property Asset Management**

The Contractor shall meet all SRNS agreed upon scheduled milestones by leveraging the Real Property Asset Management Program and Facility Information Management System (FIMS) data to effectively manage SRS infrastructure needs.

#### Description/Background/Justification:

SRNS will ensure compliance of DOE Order 430.1B Real Property Asset Management Program and implement DOE-HQ requirements for asset replacement value. The Facility Condition Assessment Survey (CAS) Inspections will continue in FY14. In addition, improvements to the accuracy of the SRS Actual Maintenance Cost Reporting Data will continue to be implemented for the HQ FIMS.

Up to \$200,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
Number SRNS2014 LS-6.01	<b>Date</b> 9/30/14	Fee \$200,000.00	<ul> <li>Contract Output Completion Criteria:</li> <li>a. Evaluate and begin implementation of the Corrective Action Plan to more accurately capture SRS Actual Maintenance Cost Reporting. Subsequently, provide data input to support Site Planning integration.</li> <li>b. Demonstrate cost reduction and/or cost avoidance by: <ul> <li>Integrating impacts of ARRA project completion, site housing consolidation planning, workforce restructuring, site mission changes and lessons learned from Condition Assessment Survey (CAS) inspections into the RPAM SmartPlan (SRNS-RP-2011-00202).</li> </ul> </li> </ul>
			<ul> <li>Revise RPAM SmartPlan requirements to more cost effectively implement DOE Order 430.1B.</li> <li>Evaluating Facility assessments conducted by other organizations (Engineering, maintenance, Operations, etc.) for CAS applicability.</li> </ul>
			c. Leverage Real Property Asset Management Program (RPAM) for the Site, develop a

	tailored approach for the Replacement Value (RPV) of agreed upon unique/critical facilities and initiate implementation.
d.	Evaluate Facility Information Management System (FIMS) database and make recommendations for data improvements. Also, update and maintain information of over 2,000 FIMS real property records to ensure the data is accurate and reliable.
e.	Continue to perform CAS inspections to ensure SRS meets the facility condition assessment 5 year cycle.

#### Acceptance Criteria

DOE-SR will validate the completion of the following milestones and document results in the Site Tracking, Analysis & Reporting (STAR) system:

- a. Review the Actual Maintenance Corrective Action Plan and evaluate the Cost Reporting implementation. Review and evaluate the evidence of data input to Site Planning.
- b. Review documentation that outlines the following:
  - Cost avoidance scenario(s) from the various integrated site impacts.
  - Assessment of cost avoidance as reported.
  - Revised Condition Assessment Survey Process that maximizes cost reduction and/or cost avoidance.
- c. Evaluate RPV for H-Canyon, DWPF and SRNL 773-A Lab.
- d. Review evidence of implementation documentation in DOE-HQ FIMS records demonstrated by performance against metrics implementation schedule.
- e. Review Condition Assessment Survey (CAS) Reports for the structures inspected in FY14. In addition, DOE-SR will perform field walk down on randomly selected completed facilities/structures and then verify that CAS data has been placed into the DOE-HQ Condition Assessment Information System (CAIS).

#### **Contract Output SRNS2014LS-07:**

#### Site Integrated Planning and Business Process Improvement

The Site Integrated Planning process integrates site mission planning and real property asset management. These recommendations and objectives will demonstrate improved linkage and

dependencies at strategic, operational and tactical levels in support of the successful execution of the Site missions and landlord functions at SRS that includes support of all Site tenant organizations. Additionally, there will be a continued focus on improving crosscutting business processes that support the provision of services to Site missions.

#### Description/Background/Justification:

Execution of planned missions requires support from multiple functional organizations on site. Improving efficiency of crosscutting business processes required by these support groups will decrease cost and improve execution schedules. An additional goal is to improve those crosscutting processes.

Up to \$100,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:	
SRNS2014	SRNS2014 9/30/14 \$100,000 Update the Land Use Plan to reflect the results of		Update the Land Use Plan to reflect the results of	
LS-7.01			the DOE-SR Planning Process.	
Acceptance Criteria				

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DOE will be provided / will review the following for validation:

• Final Draft of the revised plan for review and publication.

#### **Contract Output SRNS2014LS-08:**

#### **Interface Management**

The Contractor shall execute Interface Management with site tenants to deliver landlord services in support of mission execution.

#### Description/Background/Justification:

Effective implementation of site interface management process (necessary maintenance and communication of interface processes, procedures and agreements) results in the effective delivery of landlord services. This ensures an efficient process to support tenant site mission completion activities.

Annually the Interface Management Team develops a lessons learned regarding the interfaces of the tenants. These recommendations are the basis for the improvements defined in items 2 and 3.

Up to \$300,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014	9/30/14	\$100,000	Perform SRNS integration efforts by:
LS-8.01			1. Executing annual revision of interface
			agreements (SRR/SWPF, Ameresco, WSI,
			USFS, SREL, SCE&G, MOX)

#### Acceptance Criteria

DOE-SR will review the annual interface agreement.

Number	Date	Fee	Contract Output Completion Criteria:	
SRNS2014	9/30/14	\$150,000	Improve the SRS Interface Management Process	
LS-8.02			by supporting DOE in the implementation of the	
			Site Policy Manual SRSPM 250.1.1B.	
			Note: This improvement is defined in the 2013	
			Interface Management Lessons Learned developed	
			by the Interface Management Team:	
			1. Providing support in developing a matrix of	
			current contractor (SRNS, SRR, MOX,	
			SWPF, WSI) applicability for each policy.	
			2. Provide suggested handling strategies for	
	1		the major contract omissions (i.e. contract	
			modification, policy modification)	

#### **Acceptance Criteria**

DOE-SR will review the Contractor Applicability Matrix and suggested handling strategies.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 LS-8.03	9/30/14	\$50,000	Improve the SRS Interface Management Process by providing a method for small site tenants (SREL, USFS, Ameresco) to monitor spending on scope defined in Functional Service Agreements.  Note: This improvement is defined in the 2013 Interface Management Lessons Learned developed by the Interface Management Team.

#### **Acceptance Criteria**

DOE will review

- 1. The method and tools developed for the monitoring process.
- 2. The Performance of the support accounts. (Actuals vs. Target)



## Performance Incentive Document

PID Number:	SRNS2014SUB.	
Activity Name:	Management & Operations - Subjective	
WBS Number:	Various / Indirect	
Performance Period:	October 1, 2013	- September 30, 2014
Allocated Fee:	\$5,000,000	
Revision Number:	1	
Senior level manager:		Doug Hintze Assistant Manager Mission Support (AMMS)
Senior level supervisor/division manager:		Nick Delaplane

#### **Contract Performance Outcome:**

#### **Nuclear Materials Management**

The Contractor shall safely and effectively manage nuclear materials and facilities in accordance with applicable DOE Directives and requirements. Management of nuclear materials at SRS includes storage, operations and disposition.

#### Solid Waste

The Contractor shall manage the Solid Waste Program to safely and effectively prevent and/or minimize the generation of solid waste to include hazardous, low level, transuranic, mixed, and municipal sanitary wastes. The Contractor shall insure that the handling, treatment, storage, transportation and disposal of existing "legacy" and future solid waste is environmentally sound and in compliance with DOE Directives, and applicable regulations and requirements.

#### Soil and Water Remediation

The Contractor shall plan and safely execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violation(s), Memoranda of Agreements or other notices of direction from DOE and/or regulatory agencies.

#### Savannah River National laboratory (SRNL)

SRNL's three-fold mission is to enable the success of SRS operations; to provide technical leadership for future site missions; and to utilize its technical expertise to provide vital national and regional support in achieving the broader goals of DOE and the federal government in a safe manner. SRNL shall be operated as a defined work activity within the M&O contract structure so that it will be positioned to be responsive to future DOE requirements.

#### Sitewide ES&H Program

The Contractor shall conduct a comprehensive ES&H program that provides for the protection of workers, the public, and the environment. The Contractor shall include provisions for the protection of human health and safety and the environment in all activities for which it has contractual responsibilities.

#### **Operations Support**

The Contractor shall implement site-wide programs and coordinate their implementation with all site organizations. The Contractor shall provide technical support for all its activities and operations. The Contractor shall also provide technical support for other organizations as directed by the CO or as requested by other organizations and approved by the CO. Except as otherwise directed by the CO, services to other contractors generally do not extend to within their facilities or areas under the control of other tenant organizations.

#### **Business Services**

The Contractor shall provide general planning, management and administrative services for all its activities and for other organizations as directed by the CO.

#### **Contract Output SRNS2014SUBJ-01:**

This incentive is measured with an adjectival rating to measure technical performance, cost control, schedule performance and business relations / management for all of the fiscal year 2014 authorized scope.

This Contract Output will receive an adjectival grade and numerical score. In order to provide for consistency across the Complex, DOE-SR will use the five tier adjectival ratings and definitions set forth in FAR 16.4 described below.

Adjectival Rating	Percent of allocable fee	Definition
Excellent	019/ 1009/	Contractor has exceeded almost all of the
	1 91% - 100%	significant award-fee criteria and has met

		overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76% - 90%	Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Good	51% to 75%	Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	1% to 50%	Contractor has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	0%	Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.

#### Description/Background/Justification:

To achieve its vision and implement all desired management improvement efforts will require an organized, systematic approach to project execution. EM has developed and implemented the EM Program Management System (EMPMS) to clarify roles and responsibilities, to provide for more integrated operations, and to further establish a solid baseline for workforce planning.

The EMPMS is a performance-based management system. Performance-based management uses performance measurement information to help set agreed-upon performance goals, to allocate and prioritize resources, to inform managers so they can manage program activities to meet those goals, and to report on their status. It also offers opportunity to learn from any failures in performance and to continuously improve management practices.

The IPT, as identified in the PEMP, will conduct informal surveys of the following organizations in order to solicit feedback related to contractor performance in the areas of

Business Relations, Technical Quality, Cost Control and Schedule (timeliness):

Assistant Manager for Infrastructure and Environmental Stewardship (AMIES) Assistant Manager for Mission Support (AMMS)

- Assistant Manager for Integration and Planning (AMIP)
- Office of Acquisition Management (OAM)
- Office of Human Capital Management (OHCM)

Assistant Manager for Nuclear Material Stabilization Project (AMNMSP)

Assistant Manager for Waste Disposition Project (AMWDP)

Office of Field Chief Financial Officer (CFO)

Office of Chief Counsel (OCC)

Office of Civil Rights (OCR)

Office of External Affairs (OEA)

Office of Laboratory Oversight (OLO)

Office of Safety and Quality Assurance (OSQA)

Office of Safeguards, Security and Emergency Services (OSSES)

SRNS organizations will provide monthly self-assessments throughout the performance period to provide contractor feedback in cross-cutting areas of performance, such as safety, efficient use of trained and qualified human capital, quality, continuous improvement, cost effectiveness, timeliness of deliverables, compliance with contract, etc. The self-assessments will be used to measure and report contractor technical performance (quality of product/service), cost control, adherence to schedule, and business relations / management as these relate to the contractor support of the individual and collective DOE organizations. These self-assessments will be captured on the electronic web-based DOE Scorecard and used to facilitate enhanced communication between DOE-SR and SRNS.

These assessments are critical to record contract performance that is considered implicit, or subjective. Clear measures will be defined and consistent with standards of reporting contractor performance (FAR 42.15, FAR 15.3, FAR 9.1, and DEAR 909.1), The Federal Acquisition Streamlining Act of 1994, and the federal acquisition guide, chapter 42.15.

Subjective incentives use adjectival measures related to quality of service or product. The success of a contractor against subjective measures is determined by the government, which will consider the related conditions under which the work was performed and the contractor's specific performance as measured against the government's objective.

Customer service is an implicit performance expectation. Both federal and contractor employees will strive to reach mutual expectations and conduct beneficial communications in support of site missions.

Per contract clause H-33: PROVISIONAL PAYMENT OF INCENTIVE FEE, the contractor may request monthly provisional fee payments for up to 1/12th of 50% of the total

subjective fee for the performance period. Provisional fee is not considered earned fee and is contingent upon a final fee determination by the Fee Determination Official.

Up to \$5,000,000 of the allocated fee will be paid for this Contract Output.

Number	Date	Fee	Contract Output Completion Criteria:
SRNS2014 SUBJ-1.01	9/30/14	\$5,000,000	Provide a monthly report measuring trends and improvements in technical, cost, schedule performance and business relations / management activities. The report will include trending data and analysis of direct program (PBS) continuous improvement efforts, and cost performance of the Indirect cost pools (Essential Site Services and G&A).

#### **Acceptance Criteria**

DOE-SR will review the contractor monthly report measuring technical, cost, schedule performance and business relations / management in accordance with site performance reporting to support the DOE-SR Contractor Performance Assessment Reporting (CPAR) requirements.

#### Attachment D, NNSA Performance Incentive Documents for fiscal year 2014

# Fiscal Year 2014 DOE/NNSA Strategic Performance Evaluation Plan (PEP) Template

#### **FOR**

# MANAGEMENT AND OPERATION OF THE SAVANNAH RIVER SITE NNSA ACTIVITIES

By

Savannah River Nuclear Solutions, LLC

Contract Number: DE-AC09-08SR22470

Performance period: October 01, 2013 through September 30, 2014

Dennis J. Donati

Senior Vice President

**NNSA Operations and Programs** 

Savannah River Nuclear Solutions, LLC

Douglas J. Dearolph

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John/W. Temple

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Savannah River Nuclear Solutions, LLC

Carol R. Elliott

Contracting Officer

Savannah River Field Office

**National Nuclear Security Administration** 

#### INTRODUCTION

Savannah River Site is a facility owned by the United States Department of Energy (DOE), herein referenced as "Plant." It is managed by Savannah River Nuclear Solutions, LLC (SRNS). Pursuant to the terms and conditions of the Contract, and Clause H-27, Performance Based Management and Oversight, this Performance Evaluation Plan (PEP) sets forth the criteria in which SRNS' performance will be evaluated and upon which the determination of the amount of award fee earned shall be based. The available award fee amounts for FY 2014 are specified in Section B-2.3 and scope of work for NNSA as set forth in Section C-3.3 of Contract No. DE-AC09-08SR22470. This PEP promotes a strategic Governance and Oversight framework, for NNSA scope, based on prudent management of risk, accountability, transparency, and renewed trust. It has been written to implement the collective governance and oversight reform principles as expressed by the DOE/National Nuclear Security Administration (NNSA).

#### PERFORMANCE BASED APPROACH

The performance-based approach evaluates SRNS's performance through a set of performance objectives (PO). Each PO, and its associated Contributing Factors (CF) and Site Specific Outcomes (SSO) will be measured against authorized work and the respective outcomes, demonstrated performance, and impact to the DOE/NNSA mission. CFs and SSOs will be assessed in the aggregate to establish an adjectival performance rating for each Performance Objective. Notwithstanding the overall strategic framework, failure to achieve an individual SSO, the most important DOE/NNSA fiscal year objectives at the Plant, may limit the award-fee.

#### **MISSION**

Savannah River Nuclear Solutions, LLC shall furnish the necessary personnel, facilities, equipment, materials, supplies, and services (except those provided by the Government) to accomplish the Scope of Work. The Scope of Work under the Performance Based Management Contract is comprehensive in that the Contractor shall perform all necessary technical, operations and management functions to manage and operate SRS and perform the missions assigned to the site.

#### MISSION PERFORMANCE

Savannah River Nuclear Solutions is accountable for and will be evaluated on successfully executing program work in accordance with applicable DOE/NNSA safety and security requirements consistent with the terms and conditions of the Contract. Protection of worker and public safety, the environment, and security are essential and implicit elements of successful mission performance. Accordingly, the model for this PEP is to rely on SRNS's leadership to use appropriate DOE contractual requirements and recognized industrial standards based on consideration of assurance systems, and the related measures, metrics, and evidence. Savannah River Nuclear Solutions is expected to manage in a safe, secure, efficient, effective, resultsdriven manner, with appropriate risk management and transparency to the government, while taking appropriate measures to minimize costs that do not compromise core objectives and mission performance. Products are expected to be delivered on-schedule and within budget.

#### CONSIDERATION OF CONTEXT IN PERFORMANCE EVALUATION

Contract No. DE-AC09-08SR22470

Modification No. 451

Revision 3

The evaluation of performance will consider "context" such as unanticipated barriers (e.g., budget restrictions, rule changes, circumstances outside SRNS control), degree of difficulty, significant accomplishments, and other events that may occur during the performance period. Effective efforts by SRNS to quickly identify, self-report, and overcome or mitigate the impact of issues, barriers or other circumstances will also be a factor in evaluating performance. A significant safety or security event may result in an overall limitation to adjectival ratings.

#### PERFORMANCE RATING PROCESS

At the end of each of the first three quarters, DOE/NNSA will evaluate performance and provide feedback to SRNS highlighting successes and/or needed improvement. At the end of the year, an overall performance rating will be assigned for each PO using the table in Federal Acquisition Regulation Subpart 16.401(e) (3) yielding scores of Excellent, Very Good, Good, Satisfactory or Unsatisfactory. In general, performance objectives and contributing factors are written to reflect an overall adjectival performance level of **Good**. DOE/NNSA will consider the SRNS end of year self-assessment report in preparing the Performance Evaluation Report (PER) for the Fee Determining Official (FDO). The PER transmits the final recommendations on performance ratings and award fee earned for the award fee period of performance. The unilateral decision of the total award fee earned will be made by the FDO.

#### PEP CHANGE CONTROL

It is essential that a baseline of performance expectations be established at the beginning of the performance period to equitably measure performance, and that changes to that baseline are carefully managed. Any change to the PEP requires concurrence by the appropriate program office, NA-00 and the NNSA Senior Procurement Executive prior to the Field Office Manager and Contracting Officer signatures. While recognizing the unilateral rights of DOE/NNSA as expressed in contract clauses H-27, *Performance Based Management*, and (2) H-28, *Performance Incentives*, bilateral changes are the preferred method of change whenever possible.

#### FINAL DECISION

Prior to a final decision by the FDO the SRNS General Manager will have a face-to-face opportunity to provide a final presentation in support of strategic performance determination and direction of the enterprise.

#### **TOTAL AVAILABLE AWARD FEE ALLOCATION**

Performance Category	Performance Objective	% At-Risk Fee Allocation
Programs (NA-10 & FOM)	PO-1: Manage the Nuclear Weapons Mission	25%
Programs (NA-2 & FOM)	PO-2: Broader National Security Mission	12.5%
Programs (NA1.1 & FOM)	PO-3: Science, Technology, and Engineering and Other DOE Mission Objectives	12.5%
Operations & Mission Execution (NA-3 & FOM)	PO-4: Operations & Infrastructure	25%
Operations & Mission Execution (NA-1 & FOM)	PO-5: Leadership	25%

#### **UNEARNED FEE**

DOE/NNSA reserves the right to withdraw and redistribute DOE/NNSA unearned fees.

#### INNOVATIVE SOLUTIONS

Savannah River Nuclear Solutions will recommend innovative, science-based, systems-engineering solutions to the most challenging problems that face the nation and the globe. Savannah River Nuclear Solutions will also provide evidence to support programmatic needs and operational goals tempered by risk. DOE/NNSA will take into consideration all major functions contributing to mission success. In addition, SRNS is expected to recommend and implement innovative business and management improvement solutions that enhance efficiencies.

PO-1: Manage the Nuclear Weapons Mission – NA-10 & FOM - (At-Risk Fee: 25%) Successfully execute Nuclear Weapons mission work in accordance with DOE/NNSA Priorities, Program Control Document and Deliverables, and Program Implementation Plans. Integrate across the Plant, while maintaining a DOE/NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-1.1 Accomplish work as negotiated with program sponsors and partners, achieving the expected level of quality to ensure safe, secure, reliable weapon performance, transportation, and cost effective operations.
- CF-1.2 Increase knowledge of the state of the stockpile, resulting from successful execution of the stockpile surveillance program and a robust scientific and engineering understanding for the delivery of the annual stockpile assessment.
- CF-1.3 Execute deliveries for the stockpile work to meet limited-life component exchanges, and dismantlements.
- CF-1.4 Demonstrate the application of new strategies, technologies, and scientific understanding to support stewardship of the existing stockpile and future stockpile needs.
- CF-1.5 Sustain and strengthen unique science and engineering capabilities, facilities and essential skills to ensure current and future Nuclear Weapons mission requirements will be met.
- CF-1.6 Execute W78/88-1 phase 6.2 activities, B61-12 phase 6.3 activities, and W88 ALT 370 phase 6.3 activities in accordance with the NNSA approved schedules.

#### Site Specific Outcomes:

- SSO1.1: Demonstrate the Tritium Programs Earned Value Management System
  (EVMS) (or comparable system) is implemented consistent with the B61 Project
  Control Systems Description and Implementation Schedule. Establish a site
  performance baseline and submit monthly project and earned value reporting
  consistent with NA-191 program management requirements. Sites are allowed to
  tailor EVMS implementation to account for program complexity, cost, and risks,
  subject to approval of the Federal Program Manager.
- SSO 1.2: Demonstrate the Tritium programs EVMS (or comparable system) is implemented consistent with the W78/88-1 Project Control Systems Description and Implementation Schedule. Sites are allowed to tailor EVMS implementation to account for program complexity, cost, and risks, subject to approval of the Federal Program Manager.

PO-2: Broader National Security Mission – NA-2 & FOM - (At-Risk Fee: 12.5%) Successfully execute authorized broader national security mission work to include the Non-Proliferation, Emergency Operations and Counterterrorism missions as well as high-impact interagency work. Integrate across the Plant, while maintaining an NNSA enterprise-wide focus, to achieve greater impact on a focused set of strategic national security priorities. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-2.1 Support efforts to remove, eliminate and minimize the use of proliferation-sensitive materials.
- CF-2.2 Support efforts to safeguard and secure materials, technologies, and facilities.
- CF-2.3 Support efforts to detect and prevent the illicit trafficking of nuclear/radiological materials, technology, information and expertise.
- CF-2.4 Provide R&D technology solutions for treaty monitoring, minimizing the use of proliferation-sensitive materials, and the application of safeguards and security.
- CF-2.5 Provide unique technical/policy solutions and develop programs/strategies to reduce nuclear/radiological dangers.
- CF-2.6 Demonstrate effective operations and implementation of policy for mission success in support of emergency management, incident response and nuclear forensics mission support capability.
- CF-2.7 Sustain and improve nuclear counterterrorism and counterproliferation science, technology, and expertise.
- CF-2.8 Pursue and perform high-impact interagency work that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of future national security mission requirements.
- CF-2.9 Accomplish work within the budget profile, scope, cost, schedule, quality and risk negotiated with the program sponsors or partners.

#### Site Specific Outcome:

- SSO 2.1: Perform activities necessary in H-Canyon and HB-Line to produce plutonium oxide analyzed to be acceptable feedstock from non-pit plutonium currently stored in K-Area, in accordance with the requirements contained in the FY 14 Work Authorization and Execution Plan.
- SSO 2.2: Perform plutonium feed material characterization activities in accordance with the NNSA-approved plan for the non-pit plutonium material (AFS-1 and AFS-2) currently stored at SRS to demonstrate acceptability as feedstock and to support aqueous blend strategies in H-Canyon during operations. [MIFT Scope]

## PO-3: Science, Technology, and Engineering (ST&E) and Other DOE Mission Objectives - NA-1.1 & FOM - (At-Risk Fee: 12.5%)

Successfully advance national security missions and advance the frontiers of ST&E in accordance with budget profile, scope, cost, schedule and risk while achieving the expected level of quality. Execute other DOE Mission Objectives for programs such as Environmental Management in accordance with the budget profile, scope, cost and schedule. Effectively manage Plant Directed Research and Development Programs (PDRD) to advance the frontiers of ST&E. Provide defensible objective evidence.

#### **Contributing Factors:**

- CF-3.1 Implement a research strategy that is clear and aligns discretionary investments (e.g., PDRD) with the research strategy and support DOE/NNSA priorities.
- CF-3.2 Ensure that research is relevant, enables the national security missions, and benefits DOE/NNSA and the nation.
- CF-3.3 Ensure that research is transformative, innovative, leading edge, high quality, and advances the frontiers of science and engineering.
- CF-3.4 Maintain a healthy and vibrant research environment that enhances technical workforce competencies and research capabilities.
- CF-3.5 Perform research to accomplish the high priority, multi-year research objectives, advance ST&E, and develop technologies for the public good through technology transfer.
- CF-3.6 Pursue and perform high impact work that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of future national security mission requirements.
- CF-3.7 Accomplish work within the budget profile, scope, cost, schedule, risk, and quality negotiated with the program sponsors or partners.

#### Site Specific Outcome:

• None

## PO-4: Operations & Infrastructure – NA-3 & FOM - (At-Risk Fee: 25%)

Effectively and efficiently manage the safe & secure operations of the Plant while maintaining an NNSA enterprise-wide focus; demonstrate accountability for mission performance and management controls; assure mission commitments are met with high-quality products and services; and maintain excellence as a 21<sup>st</sup> century government-owned, contractor-operated facility.

#### **Contributing Factors:**

- CF-4.1 Deliver effective, efficient, and responsive environment, safety and health (ES&H) management and processes.
- CF-4.2 Accomplish capital projects in accordance with scope, cost, and schedule baselines.
- CF-4.3 Deliver effective, efficient, and responsive physical, information and cyber security management and processes.
- CF-4.4 Maintain, operate and modernize the DOE/NNSA facilities, infrastructure, and equipment in an effective, energy efficient manner; including disposition of unneeded infrastructure and excess hazardous materials.
- CF-4.5 Deliver efficient, effective and responsible business operations and systems.
- CF-4.6 Deliver efficient and effective management of legal risk and incorporation of best legal practices.

#### Site Specific Outcome:

- SSO 4.1: Execute funded scope in support of the Tritium Responsive Infrastructure Modifications (TRIM) Program objectives, including up-front planning for the Tritium Centric Operations Project (TCOP) line item, per the FY14 Work Authorization and Execution Plan (WAEP).
- SSO 4.2: Complete construction and initiate startup testing of the Waste Solidification building project in accordance with approved cost and schedule baselines and related work scope as defined in the FY14 WAEP.

#### PO-5: Leadership -NA-1 & FOM - (At-Risk Fee: 25%)

Successfully demonstrate leadership in supporting the direction of the overall DOE/NNSA mission, the responsiveness of the SRNS leadership team to issues and opportunities for continuous improvement internally and across the Enterprise, and parent company involvement/commitment to the overall success of the Plant and the Enterprise.

#### Contributing Factors:

- CF-5.1 Define and implement a realistic strategic vision for the Plant, in alignment with the NNSA Strategic Plan, which demonstrates enterprise leadership and effective collaborations across the NNSA enterprise to ensure DOE/NNSA success.
- CF-5.2 Promote a culture of critical self-assessment and transparency across all areas; instill a culture of accountability, responsibility, and performance through the entire organization; and coordinate/communicate these key issues and concerns to DOE/NNSA leadership.
- CF-5.3 Demonstrate performance results through the institutional utilization of the Management Assurance System and the leveraging of parent company resources and expertise.
- CF-5.4 Work selflessly within the DOE/NNSA complex to develop, integrate, and implement enterprise solutions that maximize program outputs at best value to the government; identify innovative business and management solutions that greatly improve enterprise-wide efficiencies.
- CF-5.5 Exhibit professional excellence in performing roles/responsibilities while pursuing opportunities for continuous learning.

AMENDMENT OF SOLICITATION/MODIFICA	TION OF CONTRACT		1. CONTRACT ID CODE	PAGE	OF PAGES
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2 AMENDMENT/MODIFICATION NO	3 EFFECTIVE DATE	4 REQ	UISITION/PURCHASE REQ NO	5 PROJECT	NO (if applicable)
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8 NAME AND ADDRESS OF CONTRACTOR (No shoet	rough: State and ZiP Code)	194	AMENDMENT OF SOLICITATION NO		
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CODE 798861048	FACILITY CODE	0	1/10/2008		
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	OFFERS PRIOR TO THE HOUR AI r atready submitted, such change is received provide the opening hou wed)  Appropriation Dat ODIFICATION OF CONTRACTS/O	ND DATE SPI may be made at and date so a RDERS. IT M	CIFIED MAY RESULT IN REJECTION OF YOU by telogram or letter, provided each telogram	OUR OFFER II OF lotter makes	TEM 14.
8 THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTI	IN ITEM 14, PURSUANT TO THE	AUTHORIT		s in paying offic	9,
D OTHER (Specify type of modification	and authority)		· <del></del>		
X   Section I, DEAR 970.	5211-1 Work Autho	rizatio	on (May 2007)		
E. IMPORTANT: Contractor 🗵 is not	is required to sign this docume	ent and return	O copies to the issue	ng office.	
14 DESCRIPTION OF AMENDMENTANDDIFICATION A. The purpose of this modilisted:	fication is to in	corpora	te the contract work a	uthoriza	
<ol> <li>No. HQTD1002-14, Rev 3,</li> <li>No. HQ1001-14, Rev 7, fo</li> <li>(EEOICPA) (See Attachment 1-B</li> <li>No. 410003-TS-14, Rev 7,</li> <li>No. HQTD1000-14, Rev 4,</li> </ol>	r Energy Employee ) for SRNL Technic	s Occup al Supp	ational Illness Compen. ort(See Attachment 1-C	sation P }	rogram
Attachment 1-D)		•	•	-	
5) No. EY804910D-14, Suppor 6) No. 410003-WIPP-14, Rev Continued  Except as provided heres, all terms and conditions of till	l, for SRNL Techn	ical Su	pport- WIPP (See Attac	hment 1-	•
15A, NAME AND TITLE OF SIGNER (Type or print)		164	NAME AND TITLE OF CONTRACTING OFF		
15B CONTRACTOR/OFFEROR	15C DATE SIGN	ED 169.	UNITED STATES OF AMERICA	lovett-l	7/09/14
(Signature of person authorized to sign)	<del></del>		(Signature of Contracting Officer)		<u> </u>

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SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

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(A)	7) No. SL-410003-14, Rev 2, for Solar Energy,	(6)	(D)	(E)	(F)
	(See Attachment 1-G)	}	1		
			1 .	i	
	Funds were previously allocated by separate	ł	1 1		
	modifications under FINPLAN Nos. *1, 12 and 13,	ļ			
	for Fiscal Year 2014 (copies of FINPLANS	Ì	1 1		
	provided, see Attachment G).				
	B. This modification formally incorporates the	1	1		
	above referenced contract work authorizations as		ĺ		
	part of the contract. As stated under DEAR	1			
	970.5211-1 Work Authorization (May 2007),	1			
	paragraph (b), the work authorization, whether	1	1		
	issued bilaterally or unilaterally shall become a	ĺ			
	part of the contract.	1	]		
	C. The contract estimated value and all other	1			
	terms and conditions remain unchanged.				
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	Notes:				
	1) FINPLAN #1 (page 17 only provided with subject	Į			
	Mod). 2) See each Work Authorization for the	l			
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separate letter or telegram which includes a reference	to the solicitation i	and amendment number	ers. F/	NLURE OF YOUR ACKNOWLEDGEMENT TO I	BE RECE	IVEO AT	•
THE PLACE DESIGNATED FOR THE RECEIPT OF C virtuo of this amendment you desire to change on offer						•	
reference to the selectation and this procedurant, and it	s received prior to						
12 ACCOUNTING AND APPROPRIATION DATA It may		tion Data					
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D OTHER (Specify type of modification	and euthonly)						
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14 DESCRIPTION OF AMENDMENT/MODIFICATION (		-	-				
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authorizations listed below expected funds, inclusive of					T IS	ar r	1 2014
expected funds, inclusive of	carryove	I Funds IIOm		2013.			
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2) No. 12-FY 14, for SR-00				-			
3) No. 13-FY14, for SR-0013				-			
4) No. 14C-FY14, for SR Se	rvices an	d Contract I	Inte	rface			
5) No. 20-FY14, for SR-0020	Safeguar	ds and Secur	rity	Fund Code 01250			
6) No. 30-FY14, for SR-0030	Soil and	Ground Wate	er R	demediation Fund Code 01:	267		
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Except as provided herein, all terms and conditions of the				eretofore changed, remains unchanged and in for NAME AND TITLE OF CONTRACTING OFFICE			
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NAME OF OFFEROR OR CONTRACTOR
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	Budget Authority obligated under most current		<del>                                     </del>		
	contract modification and related approved	Ì	1	]	
	financial plan executed under contract clauses			ľ	
	B-4, Obligation of Funds, and I.53, DEAR			1	
	970.5232-4 Obligation of Funds (Dec 2000)			ı	
	applies. The period of performance represents				
	funding for 10/1/13 thru 9/30/14, subject to				
	availability. SRNS shall comply with the				
	restrictions cited under Block 10, Funds				
	Authorized, for contract work authorizations, see		1 1		
	attachments 1 through 6, attached hereto.	ŀ			
	B. As stated under DEAR 970.5211-1 Work	Į.	ll	į	
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	authorization, whether issued bilaterally or				
	unilaterally shall become a part of the contract.	ľ		İ	
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Officer Representatives (COR Appendix P, is hereby supers	fication is to incores. List, under under eded, and replaced walue and all other t	eporate the revised Append e Section J - List of Atta with attachment 1 hereto. Herms and conditions remain	dix P, Contracting achments.  In unchanged.
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15B CONTRACTOR/OFFEROR	15C DATE SIGNED	16B UNITED STATES OF AMERICA	16C DATE SIGNED
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## Mod 0472 Attachment 1

# Section J – List Attachments Appendix P

**Contracting Officer Representatives (CORs)** 

## Section J- List Attachments APPENDIX P Contracting Officer Representatives (CORs)

Savannah River Nuclear Solutions
Contracting Officer Representatives (CORs)
Contract No. DE-AC09-08SR22470

COR NAME	TYPE OF COR	AREA OF AUTHORITY	DATE OF DESIGNATI ON	COR'S DOE POSITION
Douglas Dearolph	Special Area COR NNSA Only	Site Office Mgr. NNSA SRSO Only	07/09/2009	Site Office Mgr. NNSA SRSO
Michelle M. Ewart	NNSA Non-Proliferation Only Special Area COR NNSA Only	NNSA Non-Proliferation Only	11/21/2008	Fissile Material Disposition, NA-26
Scott C. Cannon	Special Area COR NNSA Only	WSB, MOX, NNSA Only	10/17/2011	MOX Federal Project Director
Christina T. Edward	Special Area COR NNSA Only	NNSA only – Region 3 Regional Response Coordinator, Radiological Assistance Program, NNSA	05/21/2008	Region 3 Response Coordinator, NNSA
N. Carroll McFall	Special Area COR NNSA Only	NNSA only – NNSA SRSO	07/09/2009	NNSA – SRSO Asst Mgr – Mission
Thomas Z. Cantey	Special Area COR NNSA Only	NNSA Only - WSB	11/21/2008	FPD, Waste Solidification Bldg
James W. McCullough	Special Area COR NNSA Only	NNSA only – MOX Project	02/18/2010	MOX Lead Project Engineer
M. Roxanne Jump	Special Area COR NNSA Only	NNSA Only – NNSA SRFO	07/09/2009	NNSA SRSO Asst Manager Facilities and Projects

Sachilo W. McAlhany	Special Area COR NNSA Only	NNSA Only – Non- Proliferation	04/19/2011	Fissile Material Disposition Sr Tech Advisor, NA-26
Richard W. Boyd	Special Area COR	NNSA only – PDC Project	02/18/2010	WSB Project Lead for Ops
·	NNSA Only	Lead for Ops, SRSO		
Douglas E. Hintze	Primary COR	EM Mission Support	05/01/2008	Asst. Mgr. for Mission Support
Terrel J. Spears	Special Area COR	EM issues only	05/01/2008	EM Dep. Site Mgr., SRO
James L. Folk	Special Area COR	EM Alternate, for Waste	03/25/2009	Deputy Asst. Mgr. for Waste
		Disposition Projects Only		Disposition Project
Patrick McGuire	Special Area COR	EM Nuclear Material	05/01/2008	Asst. Mgr. for Nuclear Material
		Stabilization Projects only		Stabilization Project
Carl Lanigan	Special Area COR	EM Nuclear Material	11/21/2008	FPD Nuclear Material
		Stabilization Project only		
Angelia D. Adams	Special Area COR	EM Infrastructure and	11/22/2013	Deputy Asst. Mgr.
		Environmental Stewardship		Infrastructure and
		Project issues Only		Environmental Stewardship
D . 1 1 1 1	0 :14 000	F) 4 O CC	12/07/2010	Project
Patrick Jackson	Special Area COR	EM Office of Laboratory	12/07/2010	Senior Program Manager, Off
D D 1 . 1	0 114 COD	Oversight WFOs issues Only	09/26/2011	of Lab Oversight
Ron Bartholomew	Special Area COR	EM OSSES issues only -	09/20/2011	Director, Safeguards, Security
		Safeguards, Security &		& Emergency Services,
		Emergency Services, Management		
Gary Peterson	Special Area COR	Savannah River National	06/20/2014	Savannah River National
Cary receison	Special Alea COR	Laboratory (SRNL) EM, HQ	00/20/2014	Laboratory (SRNL) EM, HQ
		Project Manager		Project Manager
		1 10,000 1.101.00501		
Timothy Armstrong	Special Area COR	EM Organizational Property	06/10/2009	Contract Organizational
	ļ ·	Management Officer only		Property Management Officer

R. Kevin Rorer	Special Area COR	SRNS Property Manager	02/18/2010	Property Management
	For ARRA	issues only	1	Specialist
Lucy Knowles	Special Area COR	EM Site Chief Counsel for legal issues only	06/26/2013	Chief Counsel
Marlenia Murray	Special Area COR	Financial issues only	11/01/2012	Financial Acquisition Analyst
Irie W. Clarke	Special Area COR	Counterintelligence – IN 30 issues only	06/15/2012	Procurement Specialist, IN-30
Phillip "Tony" Polk	Special Area COR	EM Alternate, for Nuclear Material Stabilization Projects only	10/07/2013	Director, Nuclear Materials Programs

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tems 8 and 15, and returning co- separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF 6 VIRTURE of this amendment you desire to change an offer reference to the solicitation and this amendment, and 12 ACCOUNTING AND APPROPRIATION DATA (If req	to the solicitation OFFERS PRIOR or already submit is received pror	n and amendment numbe TO THE HOUR AND DA' led , such change may be to the opening hour and o	ers. FA NTE SPE e made date spe	CIFIED MAY RESULT IN REJECTION OF YO by telegram or letter, provided each telegram or called.	BE RECEIVED	AT Py
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D OTHER (Specify type of modification	• •					
X   Clause I 53 - DEAR 9	70.5232-	4 Obligation	of	Funds (Dec 2000)		
E. IMPORTANT: Contractor X is not.	is required t	o sign this document and	d return	copies to the issuin	g office.	
A. The purpose of this modification A. The purpose of this modification (DOE), in accordance are hereby obligated to CLIN \$5,660,395,674.58.	fication with SR	is to obliga NS FINPLAN 16	ate 6. F	funds to CLIN 0001 (Dep unds in the amount of \$	artment 2,337,44	
B. As a result of this modiand Price/Cost, paragraph B, the total amount of funds ob \$7,060,124,018.41.  C. The contract estimated v Continued  Except as provided herein, all terms and conditions of the street is provided herein, all terms and conditions of the street is provided herein, all terms and conditions of the street is provided herein, all terms and conditions of the street is provided herein, all terms and conditions of the street is provided herein, all terms and conditions of the street is a street in the street is a street in the street i	entitle ligated alue and	d "Obligation to the contra	n of act erms	Funds," is hereby revi from \$7,057,786,570.29 and conditions remain	sed to sto	ncrease
15A. NAME AND TITLE OF SIGNER (Type or print)			-,	NAME AND TITLE OF CONTRACTING OFFI		
			Jan	nes Lovett		
15B CONTRACTOR/OFFEROR	<del></del>	15C DATE SIGNED	16B	UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			-	(Signature of Contracting Officer)		

CONTINUATION SHEET		PAGE (	OF
	DE-AC09-08SR22470/0473	2	2

NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

TEM NO	SUPPLIES/SERVICES	QUANTITY UNIT	UNIT PRICE	AMOUNT
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AMENDME	NT OF SOLICITATION/MODIFIC	ATION OF CONTR	ACT	1 CON	TRACT ID CODE	PAGE	OF PAGES
	NTAICDIFICATION NO	3 EFFECTIVE DATE		REQUISITION	PURCHASE REQ NO	Is applied	NO (if applicable)
0474		07/23/2014		4EM00244	·	3 PROJEC	An Albertains
6 ISSUED BY	CODE	00901		7 ADMINISTER	ED BY (If other than item 6)	CODE	
U.S. De Savanna P.O. Bo	hh River Operations epartment of Energy sh River Operations ox A SC 29802					<u> </u>	
B NAME AND	ADDRESS OF CONTRACTOR (No. 1901)	rounty State and 31P Cos	•1	, BA AMENDA	MENT OF SOLICITATION NO		
			<u> </u>	4			
	H RIVER NUCLEAR SOLUT: LOYD CLEVINGER	1045, EEC		98 DATED	SEE ITEM 11)		
	RENS ST SW			1			
KIKEN S	C 298012421		*	10A. MODIF	CATION OF CONTRACT/ORD 9-08SR22470	ER NO.	
				108 DATED	(SEE ITEM 13)		
CODE 7	98861048	FACILITY CODE		01/10/	2008		
		11. THIS ITEM ONL	Y APPLIES TO AM	ENDMENTS OF	SOLICITATIONS		
vertue of the	E DESIGNATED FOR THE RECEIPT OF ( as amendment you desire to change an old- to the schottston and the amendment, and ITING AND APPROPRIATION DATA (If req	or atready submitted , sur us received prior to the o	th change may be pening hour and d	made by telegra	m ar letter, provided each taleg		· · · · · · · · · · · · · · · · · · ·
	13. THIS ITEM ONLY APPLIES TO M	IODIFICATION OF CONT	TRACTS/ORDERS.	IT MODIFIES T	HE CONTRACT/ORDER NO. A	AS DESCRIDED IN	TEM 14.
CHECK ONE	A THIS CHANGE ORDER IS ISSUED ORDER NO IN ITEM 10A	PURSUANT TO (Speci	y authority! THE C	HANGES SET	FORTH IN ITEM 14 ARE MADE	IN THE CONTRA	CT
	9 THE ABOVE NUMBERED CONTRAL appropriation date, etc.) SET FORTI	CT/ORDER IS MODIFIE	O TO REFLECT TO	HE ADMINISTRA	ATIVE CHANGES (such as che	nges in paying offic	<b>∀</b> .
	C THIS SUPPLEMENTAL AGREEMEN						
	D OTHER (Specify type of modification				40		
X	Clause I 53 - DEAR S						<del></del>
E. IMPORTAL		is required to sign t			O copies to the		
	PTION OF AMENDMENTAMODIFICATION purpose of this modi	•	•	-			of
	(DOE)), in accordance		-			•	
	obligated to CLIN 000						
\$5,660,	542,731.73.	_					
		<b></b>				.,	
	a result of this modi						
	ce/Cost, paragraph B,		•		-		increase
	al amount of funds ob 271,075.56.	ridaced to t	.ne contra	CC IFOM	4,,000,124,015.	71 (0	
• ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	C.14013.30.						
C. The	contract estimated v	alue and all	other te	rms and	conditions rema	in unchang	jed.
	ovided herein, all terms and conditions of E	he document referenced	in tem 9 A or 10A				
ISA NAME	AND TITLE OF SIGNER (Type or post)	<del></del>		1	ND TITLE OF CONTRACTING	OFFICER (Type of	printi)
	<u> </u>			James Lo			<u></u>
15B CONTR	ACTOROFFEROR	15C C	ATE SIGNED	ISB UNITED S	STATES OF AMERICA		16C DATE SIGNED
	[Signature of person burnented to upn]	<u> </u>			(Signature of Cambaching Officer)		
NSN 7540-0 Previous edit	1-152-8070 bon unusable					STANDARD FO Prescribed by 6 FAR (48 CFR)	

	REFERENCE NO OF DOCUMENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	DE-AC09-085R22470/0474	2	1 -
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SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

M NO	SUPPLIES/BERVICES	CUANTITY		UNIT PRICE	THUOMA
A)	(B)	(C)	(D)	(E)	(F)
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	NOTE: FOR GOVERNMENT USE ONLY, REPORTING OF FPDS				
	FROM STARS TO USA SPENDING - The Total Obligated		i		
	amount of \$7,060,271,075.56, includes \$147,057.15		<b>!</b>		
	of Non-Appropriated funds. The total amount of			i	
	Non-Appropriated funds increased by \$147,057.15				
	for a cumulative total of \$5,308,204.74 to-date.		1 1		
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AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE	F PAGES
2 AMENDMENT/MODIFICATION NO	3 EFFECTIVE DATE	4 REQU	JISITION/PURCHASE REQ NO	5 PROJECT N	O (If applicable)
0475	07/23/2014	14EM	002445		
6 ISSUED BY CODE	00901	7. ADM	INISTERED BY (If other than Item 6)	CODE	_
Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802					
8 NAME AND ADDRESS OF CONTRACTOR (No., street	county, State and ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.		
SAVANNAH RIVER NUCLEAR SOLUT	TONS. LLC				
Attn: LLOYD CLEVINGER	201107 220	9B.	DATED (SEE ITEM 11)	<u> </u>	
203 LAURENS ST SW					
AIKEN SC 298012421		x 10A	MODIFICATION OF CONTRACT/ORDER N	10.	<del> </del>
		^ DE	-AC09-08SR22470		
		108	DATED (SEE ITEM 13)		
CODE 798861048	FACILITY CODE	<del></del> /	1/10/2008		
790001040	11. THIS ITEM ONLY APPLIES		<u> </u>		
The above numbered solicitation is amended as set for				ended. Dis not	extended.
Items 8 and 15, and returning co separate tetter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offer reference to the solicitation and this amendment, and	to the solicitation and amendment DFFERS PRIOR TO THE HOUR A ir already submitted , such change	it numbers FA AND DATE SPE may be made t	CIFIED MAY RESULT IN REJECTION OF YOU by telegram or letter, provided each telegram or	BE RECEIVED OUR OFFER If by	AT
12 ACCOUNTING AND APPROPRIATION DATA (If req	uired)	Net Inc	rease: \$	2,254,686	.48
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/O	ORDERS. IT MO	DIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN ITE	 M 14,
ORDER NO IN ITEM 10A	CT/ORDER IS MODIFIED TO REFI H IN ITEM 14, PURSUANT TO THE	LECT THE ADM	ES SET FORTH IN ITEM 14 ARE MADE IN T MINISTRATIVE CHANGES (such as changes DF FAR 43.103(b). Y OF:		
D. OTHER (Specify type of modification	and authority)				
X   Clause I 53 - DEAR 9	70.5232-4 Obligat	tion of	Funds (Dec 2000)		
E. IMPORTANT: Contractor X is not.	s required to sign this docum	ent and return	O copies to the issuin	ng office	
14 DESCRIPTION OF AMENDMENTAMODIFICATION A. The purpose of this modifor Other Federal Agency), i  1) Department of Defense: \$ 2) Deparetment of Homeland	fication is to ob n accordance with 503,186.02	oligate in SRNS F	unds to CLIN 0001 (Rei	mbursabl	e Work
<ul><li>3) Department of Justice: (</li></ul>	_	000.00			
4) Other: \$354,000.00	-417,499.34)				
The total amount of funds ob \$5,660,542,731.73 to \$5,662, Continued	797,418.21.				_
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or point)	io document telestaticed in Item 8 /		etorore changed, remains unchanged and in IAME AND TITLE OF CONTRACTING OFFI		
			es Lovett		-
15B CONTRACTOR/OFFEROR	15C DATE SIGN	NED 168. (	INITED STATES OF AMERICA	1	6C DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		

CONTINUESTION OFFE	REFERENCE NO OF DOCUMENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEE	DE-AC09-08SR22470/0475	2	2

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

TEM NO.	SUPPLIES/SERVICES	QUANTITY	1 1	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	B. As a result of this modification, Part I -	1			
1	Schedule, Section B, Supplies or Services and	1	1 1	,	
	Price/Cost, paragraph B, entitled "Obligation of		1 1		
	Funds," is hereby revised to increase the total				
	amount of funds obligated to the contract from		1		
	\$7,060,271,075.56 to \$7,062,525,762.04.				
				1	
	C. The contract estimated value and all other			1	
	terms and conditions remain unchanged.				
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AMENDMENT O	F SOLICITATION/MODIFICA	ATION OF CONTRACT		1. CONTRACT ID COD	E	PAGE	OF PAGES
2. AMENDMENT/MO	DIFICATION NO	3 EFFECTIVE DATE	4 F	REQUISITION/PURCHASE R	EQ NO	PROJECT	NO (If applicable)
0476		07/24/2014	1		ł		
6. ISSUED BY	CODE	00901	7	ADMINISTERED BY (If other	than Item 6)	CODE	
U.S. Depart	iver Operations tment of Energy iver Operations						
8. NAME AND ADDR	ESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x)	9A. AMENDMENT OF SOLI	CITATION NO.		
SAVANNAH RI Attn: LLOYD 203 LAURENS AIKEN SC 29	ST SW	IONS, LLC	×	98. DATED (SEE ITEM 11)  10A. MODIFICATION OF CO. DE -AC 0 9 - 0 8 SR 2 2  10B. DATED (SEE ITEM 13)			
CODE 79886	1048	FACILITY CODE	1	01/10/2008			
		11. THIS ITEM ONLY APPLIES TO	AME		is		
virtue of this amen reference to the sc 12 ACCOUNTING A No Change 1 CHECK ONE A TI	dment you desire to change an offe plectation and this amendment, and IND APPROPRIATION DATA (If req to Accounting and 3. THIS ITEM ONLY APPLIES TO MHIS CHANGE ORDER IS ISSUED IN ROER NO IN ITEM 10A	OFFERS PRIOR TO THE HOUR AND C or already submitted, such change may is received prior to the opening hour an unred) Appropriation Data IODIFICATION OF CONTRACTS/ORDER PURSUANT TO (Specify authority) THI CT/ORDER IS MODIFIED TO REFLECT HIN ITEM 14, PURSUANT TO THE AUTOMATION THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION THE AUTOMATION TO THE AUTOMATION TO THE AUTOMATION THE AUTOMATION THE AUTOMATION THE AUTOMATION TO THE AUTOMATION THE AUTOM	be m d date RS. I E CH.	ade by telegram or letter, pro- e specified T MODIFIES THE CONTRAC ANGES SET FORTH IN ITEM	vided each telegram or T/ORDER NO. AS DES	CRIBED IN I	TEM 14.
		H IN ITEM 14, PURSUANT TO THE AU					
	THER (Specify type of modification	•					
X Se	ction I, DEAR 970.	.5211-1 Work Authori	zat				
E. IMPORTANT:	Contractor X is not.	is required to sign this document a	nd ret	um0	copies to the issuing	office.	
The purpose	e of this modifica		ncludi	ng solicitation/contract subjec	ct matter where feasible	9.)	
		lification 0474, and ct work authorization	ons				
Accordingly	, the following a	pplies:					
modification "The purpos	on is to obligate se of this modific (Non-Appropriated	paragraph 14.A, the funds to CLIN 0001 ation is to obligate Funds).	(De	partment of End	ergy (DOD),	shoul	d read
Except as provided t	herein, all terms and conditions of the	ne document referenced in Item 9 A or 1	0A. a	s heretofore changed, remain	ns unchanged and in fu	ll force and e	effect.
	LE OF SIGNER (Type or print)		1	6A NAME AND TITLE OF C	<del>/</del> }		
158. CONTRACTOR		15C. DATE SIGNED	1	6B UNITED STATES OF AM		4	18C. DATE SIGNED
(Signa NSN 7540-01-152-8	ture of person authorized to sign) 070			7 (Signature of C	entracting Officer)	NDARD FO	RM 30 (BEV. 10-83)
Previous edition unu		•			•	scribed by G R (48 CFR) 5	

	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE 0	F
CONTINUATION SHEET	DE-AC09-08SR22470/0476	2	2

authorizations incorporated with the corporated of the corporated	on, the nine contract work s listed below are hereby under the contract:  002-WP2-14, Rev 5, for Alternative tment (See Attachment 1-A)  SR1/4-14, Rev 3, for Biological and Research (See Attachment 1-B)  35-14, Rev 5, for Energy and Threat nt 1-C)  0003-14, Rev 7, for Fuel Cell  Office (See Attachment 1-D)  005-WP5-14, Rev 6, for Increased (See Attachment 1-E)  004-14, Rev 1, for Improved Capacity (See Attachment 1-F)  3-TS-14, Rev 8, for SRNL Technical Attachment 1-G)  001-WP1-14, Rev 7, for Waste Closure Technologies (See	(C)		(E)	(F)
authorizations incorporated waste Pretreas 2) No. KP/W/SEnvironmental 3) No. IN140 (See Attachment 4) No. HI-410 Technologies (5) No. HQTD10 Waste Loading (6) No. HQTD10 Vitrification 7) No. 41000 Support (See 8) No. HQTD10 Retrieval and Attachment 1-19) No. WW-410	s listed below are hereby under the contract:  002-WP2-14, Rev 5, for Alternative tment (See Attachment 1-A)  SR1/4-14, Rev 3, for Biological and Research (See Attachment 1-B)  35-14, Rev 5, for Energy and Threat nt 1-C)  0003-14, Rev 7, for Fuel Cell  Office (See Attachment 1-D)  005-WP5-14, Rev 6, for Increased (See Attachment 1-E)  004-14, Rev 1, for Improved Capacity (See Attachment 1-F)  3-TS-14, Rev 8, for SRNL Technical Attachment 1-G)  001-WP1-14, Rev 7, for Waste				
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incorporated of the composition	under the contract:  002-WP2-14, Rev 5, for Alternative tment (See Attachment 1-A)  SR1/4-14, Rev 3, for Biological and Research (See Attachment 1-B)  35-14, Rev 5, for Energy and Threat int 1-C)  0003-14, Rev 7, for Fuel Cell  Office (See Attachment 1-D)  005-WP5-14, Rev 6, for Increased (See Attachment 1-E)  004-14, Rev 1, for Improved Capacity (See Attachment 1-F)  3-TS-14, Rev 8, for SRNL Technical Attachment 1-G)  001-WP1-14, Rev 7, for Waste				
1) No. HQTD16 Waste Pretread 2) No. KP/W/S Environmental 3) No. IN140 (See Attachmen 4) No. HI-416 Technologies (See Section 1) No. HQTD16 Waste Loading 6) No. HQTD16 Vitrification 7) No. 41000 Support (See Section 1) No. HQTD16 Retrieval and Attachment 1-19) No. WW-416	002-WP2-14, Rev 5, for Alternative tment (See Attachment 1-A) SR1/4-14, Rev 3, for Biological and Research (See Attachment 1-B) 35-14, Rev 5, for Energy and Threat nt 1-C) 0003-14, Rev 7, for Fuel Cell Office (See Attachment 1-D) 005-WP5-14, Rev 6, for Increased (See Attachment 1-E) 004-14, Rev 1, for Improved Capacity (See Attachment 1-F) 3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
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4) No. HI-410 Technologies ( 5) No. HQTD10 Waste Loading 6) No. HQTD10 Vitrification 7) No. 41000 Support (See 2 8) No. HQTD10 Retrieval and Attachment 1-1 9) No. WW-410	0003-14, Rev 7, for Fuel Cell Office (See Attachment 1-D) 005-WP5-14, Rev 6, for Increased (See Attachment 1-E) 004-14, Rev 1, for Improved Capacity (See Attachment 1-F) 3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
Technologies (5) No. HQTD1(Waste Loading 6) No. HQTD1(Vitrification 7) No. 41000(Support (See 2) No. HQTD1(Retrieval and Attachment 1-19) No. WW-41(	Office (See Attachment 1-D) 005-WP5-14, Rev 6, for Increased (See Attachment 1-E) 004-14, Rev 1, for Improved Capacity (See Attachment 1-F) 3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
5) No. HQTD10 Waste Loading 6) No. HQTD10 Vitrification 7) No. 410000 Support (See 2) 8) No. HQTD10 Retrieval and Attachment 1-1 9) No. WW-410	005-WP5-14, Rev 6, for Increased (See Attachment 1-E) 004-14, Rev 1, for Improved Capacity (See Attachment 1-F) 3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
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6) No. HQTD10 Vitrification 7) No. 410003 Support (See 1 8) No. HQTD10 Retrieval and Attachment 1-1 9) No. WW-410	004-14, Rev 1, for Improved Capacity (See Attachment 1-F) 3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
Vitrification 7) No. 41000 Support (See 1 8) No. HQTD10 Retrieval and Attachment 1-1 9) No. WW-410	Capacity (See Attachment 1-F) 3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
7) No. 41000. Support (See i 9) No. HQTD10 Retrieval and Attachment 1-1 9) No. WW-410	3-TS-14, Rev 8, for SRNL Technical Attachment 1-G) 001-WP1-14, Rev 7, for Waste		1 1		
Support (See 2) No. HQTD10 Retrieval and Attachment 1-1 9) No. WW-410	Attachment 1-G) 001-WP1-14, Rev 7, for Waste				
8) No. HQTD1( Retrieval and Attachment 1-1 9) No. WW-41(	001-WP1-14, Rev 7, for Waste				
Retrieval and Attachment 1-1 9) No. WW-410		ĺ	1 1		
Attachment 1-1 9) No. WW-410			1 1		
	<del>-</del>				
	0003-14, Rev 3, for Wind and		1 1		
	ch Program (See Attachment 1-I)	İ	11	1	
I I	eviously allocated by separate				
	under FINPLAN Nos. 15 and 16, for	1			
	014 (copies of FINPLANs provided,			ļ	
see Attachmen	C 3).				
C. This modi:	fication formally incorporates the		11		
1	ced contract work authorizations as		1 1		
part of the co	ontract. As stated under DEAR	1	1 1	ĺ	
1.	rk Authorization (May 2007),		1 1		
	, the work authorization, whether	1	1 1		
	rally or unilaterally shall become a		1 1		
part of the co					
D The sense	act estimated value and all other				
	ditions remain unchanged.		1 1		
cerms and cond	ditions lemain unchanged.				
Notes:		1			
1) FINPLAN #1	5 (page 1 only provided with subject			1	
Mod).			1		
2) See each Wo	ork Authorization for the	1	1 1	1	
Contracting Of	fficer's approval date.		1 1		
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