											СНО	OSE O	NE:	
	Gra	nt and (Coope	erativ	e A	greem	ent						OPERATIVE REEMENT	
											X	GR/	ANT	
CHOOSE ONE:	☐ EDUC	ATION	FACILIT	TIES		RESEARCH			SDCR		X	TRAI	NING	
<u></u>														
1. GRANT/COOPERATIVE AGREEMENT NUMBER 2. SUPPLE NRC-HQ-11-G-38-0040 M0002					NUM	BER	3. EFFE				4. CC	MPLE	TION DATE	
5. ISSUED TO NAME/ADDRESS OF R UNIVERSITY OF M Attn: LINDA Con 600 SUFFOLK STF 2ND FLOOR SOUTH LOWELL MA 01854	MASSACHÚ Icino REET I		inty, State, Zip		SUED E	ddress: Acqu Mail	NRC - isition Stop: ington	n Ma 3WF	N-05-	C64MP	visi	on		
7. TAXPAYER IDENTIFICATION NO. (TIN)					9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone)									
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.					Dr. Erno Sajo Email: Erno Sajo@uml.edu; Phone: (978) 93								188	
10. RESEARCH, PROJEC	T OR PROGI	RAM TITLE												
Faculty Develops	ment in	Nuclear Sci	ience and	d Enginee	ring	g at Unive	rsity o	of M	assac	husett	s Lo	wel:		
11. PURPOSE														
See Schedule														
12. PERIOD OF PERFORM	MANCE (App	roximately)												
08/04/2011 thro	ugh 08/0													
13A.		AWARD HISTORY				13B.			FUN	FUNDING HISTORY				
PREVIOUS		\$450,00							\$450,000.00					
THIS ACTION CASH SHARE					0.00 THIS ACTION			\$0.00						
	<u> </u>				.00 TOTAL				\$450,000.00					
NON-CASH SHARE					00									
RECIPIENT SHARE				5757,938.00	-			+						
14. ACCOUNTING AND A	TAL PPROPRIAT	ON DATA	3	5450,000.00	<u> </u>			<u> </u>						
DUDOUAGE DEGLESS NO.				1	AMOUNT					STATUS				
PURCHASE REQUEST NO	"	JOB ORDER NO.				AWOUNT				SIAIUS				
15. POINTS OF CONTAC	T		·						•					
	NA NA		NAME		OP	TELEPHO	ONE			E-MAIL ADDRESS			3	
TECHNICAL OFFICER	NANCY	NANCY V. HEBRON-ISREAL				301-287-0	718	Nancy.Hebron-			-Isreal@nrc.gov			
NEGOTIATOR								l						
ADMINISTRATOR	GORDAN	GORDANA ZÜBER			301-287-0900		900	gordana.zuber(nrc.	gov		
PAYMENTS														
16. THIS AWARD IS MAD	E UNDER TH	E AUTHORITY OF	:											
Pursuant to Sec	ction 31	b and 141b	of the A	Atomic En	ergy	Act of 19	954, as	s am	ended					
17. APPLICABLE STATEM	MENT(S), IF (CHECKED:			18	. APPLICABLE E	NCLOSUR	E(S),	IF CHEC	KED:				
X NO CHANGE IS MADE TO EXISTING PROVISIONS						PROVISIONS SPECIAL CONDITIONS								
=	CONDITIO	NS AND THE AGE		С		REQUIRE	D PUBLICA	ATION	_					
UNITED STATES OF AMERICA					COOPERATIVE AGREEMENT RECIPIENT									
CONTRACTING/GRANT OFFICER DATE					A	AUTHORIZED REPRESENTATIVE							DATE	
			7/17/2014											

SUNSI REVIEW COMPLETE



Grant and Cooperative Agreement

ITEM NO.		QUANTITY (C)		ESTIMATED COST			
	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)		UNIT	UNIT PRICE (E)	AMOUNT · (F)		
. ,	CFDA Number: 77.008						
	NRC-HQ-11-G-38-0040						
	ZEROREQ-OCHCO-14-0170						
	The purpose of this modification is to extend the period of performance.						
	As a result of this modification:			•			
	1. ATTACHMENT A - SCHEDULE,						
	A. Section A.2 PERIOD OF GRANT, delete in its						
	entirety and replace with the following:						
	"1. The effective date of this Grant is April 4, 2011. The completion date of this Grant is April 3, 2016.						
	2. Funds obligated in this grants are available						
	for program expenditures for the period:						
	August 4, 2011 - August 3, 2016"						
	B. Section A.4 AMOUNT OF AWARD AND PAYMENT						
	PROCEDURES, delete in its entirety and replace						
	with the following:						
	"1. The total estimated amount of this Award is						
	\$450,000.00 for a five year period."						
	All other terms and conditions ramain the same.						
	Payment:						
	ASAP GRANT FUNDS REIMBURSEMENT SYS						
	US TREASURY Period of Performance: 08/04/2011 to 08/03/2016						
	reflow of reflormance. 00/04/2011 to 00/03/2010						
					•		
			i				
]					



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