							CHOOSE O	NE:			
	Grant and	Cooper	rative	e Agree	ement		1 1	DPERATIVE REEMENT			
							X GRA	IN T			
CHOOSE ONE:	EDUCATION	FACILITIES	S .	X RESEARC	ЭН	SDCR		NING			
1. GRANT/COOPERATIVE AGREEMENT NUMBER 2. SUPPI NRC-04-10-156 M0006						/2013	4. COMPLE 03/30/2	TION DATE : 014			
5. ISSUED TO NAME/ADDRESS OF R PENN STATE 201 OLD MAIN UNIVERSITY PARE	ECIPIENT (No., Street, City/C	County, State, Zip)	į	ling Address: A	JS NRC - HQ ACQUISITION MAIL STOP 3 WASHINGTON	MANAGEMEN BWFN-05-C6					
7. TAXPAYER IDENTIFICA	ATION NO. (TIN)			9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone)							
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.				Dr. Arthur T. Motta Email: atm25@psu.edu							
10.RESEARCH, PROJEC IN-SITU STUDY O	T OR PROGRAM TITLE F HYBRID REORIENT	ATION AND F	RACTURE	BRHAVOUR	OF ZIRCON	UM ALLOYS		77			
11. PURPOSE see schedule		, , , , , , , , , , , , , , , , , , ,		<u>, </u>	. <u> </u>						
12. PERIOD OF PERFOR			**************************************			 	7-2-7-11				
09/30/2010 thro	ugh 03/30/2014										
13A.	AWARD	HISTORY	13B.			FUNDING HISTORY					
PREVIOUS		\$435,5				\$435.519.00					
THIS ACTION		· · · · · · · · · · · · · · · · · · ·		0 THIS ACTION		 		\$0.00			
CASH SHARE			\$0.00 \$0.00		TOTAL	ļ		\$435,519.00			
NON-CASH SHARE		 				 	· · · · · · · · · · · · · · · · · · ·				
RECIPIENT SHARE		642	\$0.00								
14. ACCOUNTING AND A		PTJ	5.517.00	<u> </u>		1					
PURCHASE REQUEST NO. JOB ORDE		ORDER NO.	R NO.		AMOUNT		STATUS				
								, MT			
15. POINTS OF CONTAC	T							W71			
	NAME		MAIL STO	P TEL	EPHONE		E-MAIL ADDRES	3			
TECHNICAL OFFICER	HAROLD SCOTT					Harold.Sco	ott@nrc.gov				
NEGOTIATOR											
ADMINISTRATOR	M'LITA R. CARR			301-28	37-0909	MLita.Carı	r@nrc.gov				
PAYMENTS			****			<u> </u>					
16. THIS AWARD IS MAD	E UNDER THE AUTHORITY	OF:									
Pursuant to Sec	ction 31b and 41b	of the Ator	nic Ene:	rgy Act of	1954, as	amended					
17. APPLICABLE STATE	MENT(S), IF CHECKED:			18. APPLICA	BLE ENCLOSUR	E(S), IF CHECKE	ED:				
X NO CHANGE IS MADE TO EXISTING PROVISIONS				PRO	PROVISIONS SPECIAL CONDITIONS						
FDP TERMS AND	CONDITIONS AND THE AC				QUIRED PUBLICA	_					
REQUIREMENTS APPLY TO THIS GRANT UNITED STATES OF AMERICA					COOPERATIVE AGREEMENT RECIPIENT						
CONTRACTING/GRANT	OFFICER	DAT	E	AUTHORIZE	D REPRESENTA	TIVE		DATE			
1			19/2013								

Grant and Cooperative Agreement

				ESTIMATED COST		
ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	
	CFDA Number: 77.009					
	The purpose of this modification is to change the					
	COR to Sarah Shaffer and to add Chon Davis as the					
	back-up COR.					
	COR: Sarah Shaffer Email: Sarah.Shaffer@nrc.gov					
	Back-up COR: Chon Davis Email:					
	Chon.Davis@nrc.gov					
	LIST OF CHANGES:		:			
	COR CHANGE					
	Payment:					
	ASAP					
	Period of Performance: 09/30/2010 to 03/30/2014					
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