NRC FORM 374	ORM 374 U.S. NUCLEAR REGULATORY COMMISSION							
		MATERIALS LICENSE						
Code of Federa representations transfer byprodu designated belo applicable Part(as amended, ar	Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.						ce on statements and , acquire, possess, and e(s) and at the place(s) the regulations of the nic Energy Act of 1954,	
	Licens	ee			EG/I			
1 Louisiana	Energy Services,				3 License Nu	imbe	er: SNM-2010, Ai	mendment 48
2. 275 Highw	yay 176				4. Expiration [Date	: See Condition 1	13
P.O. Box 1	1789				5. Docket No.			
Eunice, Ne	w Mexico 88231							
Nuclear	and/or Special Material and/or oct Material		7. Che For			8.	Maximum amour may possess at a under this license	any one time
(n.	anium atural and deplete ad daughter produ	ed) cts	A.1 A.2	Physical: Se and Gas Chemical: U UO ₂ F ₂ , oxid other compo	JF_6 , UF_4 , es and	Α.	136,120,000 kg	Ň
iso 5	ranium enriched ir otope U-235 up to percent by weight anium daughters	and	B.1 B.2	Physical: So and Gas Chemical: UO ₂ F ₂ , oxid and other co	JF ₆ , UF ₄ , es, metal	Β.	545,000 kg	MIS
iso	c-99, transuranic otopes and other ontamination		C.	Any		C.	Amount that exis contamination as consequence of thistorical feed of Uranium at other	the recycled
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G. Co	o-60	N	G. 🔎	Sealed per §	§30.32(g)(1)	G.	1.00E+1 uCi	
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NRC FORM 374A U.S. NUC	LEAR REGU	JLATORY COMMISSION				F	Page 2 of 10
			License Nu SNM-20				
MATERIALS LI SUPPLEMENTAR			Docket or F 70-3103		Number		
		,	Amendn	nent 48			
J. Deleted	J.	Deleted		J. Dele	eted		
K. Sr-90	K.	Sealed per §30.32((g)(1)	K. 5.00	0E+0 uCi		
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P. Deleted	Ρ.	Deleted		P. Dele	eted		
Q. Cs-137	Q.	Sealed per §30.32((g)(1)	Q. 5.00	DE+4 uCi	7	
R. Deleted	R.	Deleted		R. Dele	eted		
S. Po-210	S.	Sealed per §30.32((g)(1)	S. 1.00	DE+1 uCi		
T. Th-230	Т.	Sealed per §30.32((g)(1)	T. 1.00	DE+1 uCi		
U. U-232	EU.	Sealed per §30.32((g)(1)	U. 1.00	DE+1 uCi		\mathbf{O}
V. U-233	Z V.	Sealed per §30.32((g)(1)	V. 1.00	DE+1 uCi		2
W. U-234	W.	Sealed per §30.32((g)(1)	W. 1.00	DE+1 uCi		
X. U-235	X.	Sealed per §30.32((g)(1)	X. 1.00	DE+1 uCi		2
Y. U-236	Υ.	Sealed per §30.32(DE+1 uCi		
Z. U-238	Z.	Sealed per §30.32(g		44	DE+1 uCi	C	2
AA. Am-241	AA.	Sealed per §30.32(0E+4 uCi	6	
BB. Cf-252	BB.	Sealed per §30.32(3		0E+2 uCi		
CC. Ce-139	CC.	Sealed per §30.32(DE+1 uCi)	
DD. Co-60	DD.	Unsealed per §30.3					
EE. Sr-90	EE.	Unsealed per §30.3	\	\sum			
FF. Cs-137	FF.	Unsealed per §30.3	72				
GG. Po-210	GG.	Unsealed per §30.3	.,.,.,				
HH. Th-230	HH.	Unsealed per §30.3	32(i)(1)(II)	HH. 1.0	0E+1 uCi		

NRC FORM 374A **U.S. NUCLEAR REGULATORY COMMISSION** Page 3 of 10 License Number SNM-2010 Docket or Reference Number MATERIALS LICENSE 70-3103 SUPPLEMENTARY SHEET Amendment 48 II. U-232 II. Unsealed per §30.32(i)(1)(ii) II. 1.00E+1 uCi U-233 JJ. Unsealed per §30.32(i)(1)(ii) JJ. 1.00E+1 uCi JJ. Unsealed per §30.32(i)(1)(ii) KK. 1.00E+1 uCi KK. U-234 KK. Unsealed per §30.32(i)(1)(ii) LL. 1.00E+1 uCi LL. U-235 LL. MM. U-236 MM. Unsealed per §30.32(i)(1)(ii) MM.1.00E+1 uCi NN. Unsealed per §30.32(i)(1)(ii) NN. 1.00E+1 uCi NN. U-238 OO. Am-241 Unsealed per §30.32(i)(1)(ii) OO. 5.00E+0 uCi 00. PP. Ce-139 PP. Unsealed per §30.32(i)(1)(ii) PP. 1.00E+1 uCi QQ. Eu-152 QQ. Sealed per §30.32(g)(1) QQ. 2.50E+4 uCi 9. Authorized place of use: National Enrichment Facility (NEF), located 5 miles east of Eunice, New Mexico on Highway 176 in Lea County, New Mexico. 10. The licensee shall conduct authorized activities at the NEF in accordance with the statements, representations, and conditions, or as revised in accordance with Section 19 of the Quality Assurance Program Description, 10 CFR 40.35(f), 10 CFR 51.22, 10 CFR 70.32, 10 CFR 70.72, or 10 CFR 95.19 in: Application for Material License, U.S. Nuclear Regulatory Commission (NRC) Form 313 dated December 12, a. 2003. Safety Analysis Report dated December 12, 2003, as revised by letters dated February 27, 2004; July 30, b. 2004;September 30, 2004; April 22, 2005; April 29, 2005; May 25, 2005; June 10, 2005; February 16, 2006; February 28, 2006; March 16, 2006; March 24, 2006; January 29, 2007; April 10, 2007; July 30, 2007, October 12, 2007; October 19, 2007; November 2, 2007; November 12, 2007; November 30, 2007; February 28, 2008; November 19, 2008; January 23, 2009; March 5, 2009; September 24, 2009: November 25, 2009; January 29, 2010; March 31, 2010; May 2, 2010; May 16, 2010; May 23, 2010; May 25, 2010; May 26, 2010; June 2, 2010; June 3, 2010; June 23, 2010; July 16, 2010; March 22, 2011; March 29, 2011: and April 11, 2011. Environmental Report dated December 12, 2003, as revised by letters dated February 27, 2004; July 30, C. 2004; September 30, 2004; April 22, 2005; June 10, 2005; March 16, 2006; March 24, 2006; January 29, 2007; April 10, 2007; July 30, 2007, October 19, 2007; November 2, 2007; November 30, 2007; October 30, 2008; January 23, 2009; March 5, 2009; September 24, 2009; November 25, 2009; January 29, 2010; March 25, 2010; and January 6, 2011. Physical Security Plan dated December 12, 2003, as revised by letters dated May 12, 2004; July 30, 2004; d. December 10, 2004; January 12, 2005; February 12, 2008; August 11, 2008; May 1, 2009; July 16, 2009 and February 5, 2010, and September 20, 2010. Fundamental Nuclear Material Control Plan dated December 12, 2003, as revised by letters dated e. February 27, 2004; July 30, 2004; October 7, 2004; December 7, 2004; April 22, 2005; October 23, 2006; October 19, 2007: November 30, 2007: September 4, 2009: and September 24, 2009: January 13, 2010: January 14, 2010; June 30, 2010; November 12, 2010; and April 7, 2011. Quality Assurance Program Description dated April 9, 2004, as revised by letter dated April 22, 2005; f. October 23, 2006; November 12, 2007; July 30, 2007, October 12, 2007, October 19, 2007; November 12, 2007; July 31, 2008; January 21, 2009; March 2, 2009; March 5, 2009; September 24, 2009; November 25, 2009; January 29, 2010; March 31, 2010; and June 23, 2010; July 16, 2010; October 1, 2010; December 10,

 identified in Condition 10 to use certified reference standards, the licensee shall have until August 1, 20 fulfill the above-stated commitments relative to the use of well characterized materials for its instrument calibration identified in the February 1, 2010, request letter. r. Information SSP for the High Assurance Guard, LES ISSP 3.0, dated February 1, 2010, as revised by correspondence dated March 19, 2010. s. Information Security Program Guidelines for the Protection of Classified Matter, Revision 0, dated February 26, 2010, as revised by correspondence dated April 15, 2010. t. Information SSP for the Plant Control and Core Systems, Plant Control System, Clients dated February 2009; as revised by correspondence dated April 24, 2009; February 24, 2010; March 12, 2010; and April 2010. u. Information SSP for the Plant Control and Core Systems, Drive and Centrifuge Monitoring System date February 18, 2009; as revised by correspondence dated April 24, 2009; October 20, 2009; and April 13 2010. v. Information SSP for the Plant Control and Core Systems, Plant Control System, Mobile Rigs dated Marr 2009; as revised by correspondence dated April 24, 2009; March 12, 2010; and April 13, 2010. w. Information SSP for the Plant Control and Core Systems, Plant Control System, Mobile Rigs dated Marr 2009; as revised by correspondence dated April 24, 2009; March 12, 2010; and April 13, 2010. w. Information SSP for the LES-ISSP 1.3, Point to Point Information SSP date October 15, 2009; as revised 		374A U.S. NUCLEAR REGULATORY COMMISSION	Page 4 of 10		
SUPPLEMENTARY SHEET 70-3103 Amendment 48 2010; December 16, 2010; June 21, 2011; and August 17, 2011. 9. Emergency Plan dated December 12, 2003, as revised by letters dated July 30, 2004; September 30, 2008, September 30, 2008, February 19, 2007, November 2, 2007, March 10, 2008 September 4, 2008; September 30, 2008, February 19, 2009, March 5, 2009; April 16, 2009; September 2009, November 25, 2009; Junary 28, 2010; March 31, 2010; June 21, 2011; August 17, 2011. h. Standard Practice Procedure Plan for the Protection of Classified Matter dated December 12, 2003, November 22, 2009; March 32, 2006; November 22, 2009; March 2, 2008; October 6, 2008; June 26, 2008; July 19, 2007; October 12, 2007; November 20, 2009; February 12, 200 March 20, 2007; April 27, 2008; July 20, 2010; July 15, 2010; October 22, 2010; February 11, 2010 March 2, 2009; December 29, 2009; May 25, 2010; July 15, 2010; October 22, 2009; Deferuary 12, 200 March 2, 2017; April 21, 2008; July 22, 2008; October 8, 2008; November 11, 2007, as revised by letter dated December 13, 2007; April 21, 2008; July 2, 2008; October 78, 2008; November 22, 2009; March 15, 2001; April 19, 2011; April 29, 2010; April 11, 2010; April 19, 2011; April 29, 2010; April 21, 2008; July 2, 2008; October 78, 2008; July 15, 2010; 11, April 29, 2011; April 29, 2011; April 29, 2011; April 29, 2013; April 21, 2008; July 2, 2008; Clober 78, 2008; July 27, 2008; November 22, 2010; February 12, 2008; March 20, 2009; July 19, 2011; April 29, 2011; April 29, 2013; April 21, 2008; July 21, 2008; Schember 11, 2007, as revised by letter dated August 27, 2008; November 28, 2009; July 11, 2010; August 5, 2010; July 19, 2010; October 22, 2008; March 3, 2009; July 1					
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	Ma Ce its ex y. Th	otwithstanding the requirements of 10 CFR 74.33(c)(4) aterial Control Plan identified in Condition 10.e. to perfo entrifuge Test Facility (CTF), the licensee shall have un inventory program for the CTF area as identified in the opire when the CTF conversion is complete. The licensee is granted a waiver to the DOE National Se 05.1-4, for external labeling of junction boxes for LES IS	orm bimonthly dynamic physical inventories for the itil the completion of the CTF conversion to resume August 4, 2010, request letter. This exemption will curity System Manual, paragraph EN-10 of DOE M	
11.	. Introduction of UF ₆ into any module of the NEF shall not occur until the Commission completes an operational readiness and management measures verification review to verify that management measures that ensure compliance with the performance requirements of Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) 70.61 have been implemented and confirms that the facility has been constructed and will be operated safely and in accordance with the requirements of the license. The licensee shall provide the Commission with 120 days advance notice of its plan to introduce UF ₆ in any module of the NEF.			
12.		nsee is h <mark>er</mark> eby granted the special authorizations and e Enrichment Facility Safety Evaluation Report, dated Ju		
13.	This lice	ense will expire 30 years after the date of license issuar	ice.	
14.	For the disposition of depleted UF ₆ , the licensee shall not use a depleted UF ₆ deconversion facility that employs a process that results in the production of anhydrous hydrofluoric acid.			
15.	 a. The licensee shall provide proof of \$5 million liability insurance, as required under 10 CFR 140.13b, at least 30 days prior to the planned date for obtaining possession of test material (less than or equal to 50 kg) of depleted or natural UF₆. b. The licensee shall provide proof of full liability insurance, as required under 10 CFR 140.13b, at least 			
	pr Ni	0 days prior to the planned date for obtaining feed mate oposing to provide less than \$300 million of liability ins RC for review and approval, an evaluation supporting li 300 million, at least 120 days prior to the planned date 1	urance coverage, the licensee shall provide, to the ability insurance coverage in amounts less than	
16.	of da ex ma de Re fin	the licensee shall provide an updated Decommissioning the proposed financial assurance instruments to NRC ate for obtaining test material (less than or equal to 50 k ecuted copies of the reviewed financial assurance inst aterial. In this Decommissioning Funding Plan update, econtamination and decommissioning of the Centrifuge eceipt and Dispatch Building, and all other plant areas mancial assurance instrument shall be updated to curren the decommissioning cost estimate.	for review at least six months prior to the planned kilograms of UF_6), and provide to NRC final ruments at least 21 days prior to the receipt of test the licensee shall provide full funding for Test Facility, the Post Mortem Facility, the Cylinder where licensed material is used. The amount of the	
	of da Bu ins up	the licensee shall provide an updated Decommissioning the proposed financial assurance instruments to NRC ate for obtaining feed material (greater than 50 kilogram uilding Module (SBM) 1001, and provide to NRC final e struments at least 21 days prior to the receipt of feed m odate, the licensee shall provide full funding for deconta I other plant areas where licensed material is used.	for review at least six months prior to the planned as of UF_6) for initial production in Separations xecuted copies of the reviewed financial assurance naterial. In this Decommissioning Funding Plan	

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	In addition, the licensee shall provide funding for the disp needed to disposition the first three years of depleted ura estimate shall include an update to the U.S. Department estimate. The total amount funded for depleted uranium cost estimate. The amount of the financial assurance ins include any applicable changes to the decommissioning	anium tails generation. The decommissioning cost of Energy (DOE) depleted uranium disposition cost disposition shall be no less than the updated DOE strument shall be updated to current year dollars and
C.	The licensee shall provide an updated Decommissioning of the proposed financial assurance instruments to NRC feed material in SBM 1003, and provide to NRC final exe instruments at least 21 days prior to introducing feed ma Funding Plan update, the licensee shall provide full fundi SBM 1003 and all other plant areas where licensed mate instrument shall be updated to current year dollars and in decommissioning cost estimate.	for review at least six months prior to introducing ecuted copies of the reviewed financial assurance terial into SBM 1003. In this Decommissioning ing for decontamination and decommissioning of erial is used. The amount of the financial assurance
d.	After the first three years of initial plant production, subset and revised funding instruments for depleted uranium dis looking basis to reflect projections of depleted uranium b disposition cost estimate shall include an update to the D The total amount funded for depleted uranium disposition estimate.	sposition shall be provided annually on a forward- yproduct generation. The depleted uranium DOE depleted uranium disposition cost estimate.
17. Del	eted	
18. Del	eted	
Βοι	define the boundaries of each item relied on for safety (IRO undary Definitions." Completed IROFS boundaries for all IR operational readiness review.	
logi pro cha imp and Pro	rently, there are no IROFS that have been specified as usin c controllers, and/or any digital device, including hardware of tocols (such as fieldbus devices and Local Area Network co- inged to include any of the preceding features, the licensee elementing the change(s). The licensee's design change(s) I hardware engineering, including software quality assurance gram Description throughout the development process and indards and regulatory guides as specified in Safety Analysis	devices which implement data communication ontrollers), etc. Should the design of any IROFS be shall obtain Commission approval prior to shall adhere to accepted best practices in software e controls as discussed in the Quality Assurance the applicable guidance of the following industry
a.	American Society of Mechanical Engineers (ASME) NQA Assurance Requirements of Computer Software for Nucl 1995 Addenda of NQA-1-1994 and ASME NQA-1-1994, Requirements for Computer Program Testing." (Refer to	ear Facility Applications," as revised by NQA-1a- Part 1, Suppl <mark>em</mark> ent 11S-2, "Supplementary
b.	Electric Power Research Institute (EPRI) NP-5652, "Guid	deline for the Utilization of Commercial Grade Items

b. Electric Power Research Institute (EPRI) NP-5652, "Guideline for the Utilization of Commercial Grade Items in Nuclear Safety Grade Applications," June 1988.

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	C.	EPRI Topical Report (TR) -102323, "Guidelines for Electr Revision 1, December 1996.	romagnetic Interference Testing in Power Plants,"		
	d.	EPRI TR-106439, "Guideline on Evaluation and Acceptar Nuclear Safety Applications," October 1996.	TR-106439, "Guideline on Evaluation and Acceptance of Commercial Grade Digital Equipment for ar Safety Applications," October 1996.		
	e.	e. Regulatory Guide 1.152, "Criteria for Digital Computers in Safety Systems in Nuclear Power Plants," Revision 1, January 1996.			
	f. Regulatory Guide 1.168, "Verification, Validation, Reviews, and Audits for Digital Software Used in Safety Systems of Nuclear Power Plants," Revision 1, February 2004.				
	g.	Regulatory Guide 1.169, "Configuration Management Pla Systems of Nuclear Power Plants," September 1997.	ns for Digital Computer Software Used in Safety		
	h. Regulatory Guide 1.170, "Software Test Documentation for Digital Computer Software Used in Safety Systems of Nuclear Power Plants," September 1997.				
	i. Regulatory Guide 1.172, "Software Requirements Specifications for Digital Computer Software Used in Safety Systems of Nuclear Power Plants," September 1997.				
	j. Regulatory Guide 1.173, "Developing Software Life Cycle Processes for Digital Computer Software Used in Safety Systems of Nuclear Power Plants," September 1997.				
	If any above changes result in IROFS requiring operator actions, a human factors engineering review of the human-system interfaces shall be conducted using the applicable guidance in NUREG-0700, "Human-System Interface Design Review Guidelines," Revision 2, dated May 2002 (NRC, 2002d), and NUREG-0711, "Human Factors Engineering Program Review Model," Revision 2, dated February 2004.				
	Exception to License Condition 20 is granted for IROFS38 and IROFSC22, as amended by correspondence date May 23, 2010. Exception to License Condition 20 is granted for IROFS 42, as amended by correspondence dated July 26, 2010.				
21.	. Onsite storage of DUF_6 generated at the NEF shall be limited to a maximum of 15,727 48Y cylinders (or the equivalent amount of uranium stored in other NRC accepted and Department of Transportation ["DOT"] certified cylinder types) of DUF_6 . The generation of any additional DUF_6 to be stored onsite by the licensee beyond this limit shall constitute noncompliance with the license. The licensee shall suspend production of any additional DUF_6 for onsite storage until this noncompliance is remedied. In no event shall the licensee store DUF_6 generated at the NEF in New Mexico other than at the NEF.				
22.	Onsite storage of any one cylinder of DUF_6 generated at the NEF shall be limited to a maximum of 25 years, beginning from the date that each cylinder is filled in accordance with the licensee's standard procedures. The storage of any one DUF_6 cylinder beyond this limit by the licensee shall constitute noncompliance with the license. The licensee shall suspend production of any additional DUF_6 for onsite storage until this noncompliance is remedied. In no event shall the licensee store DUF_6 generated at the NEF in New Mexico other than at the NEF.				

23. The licensee shall provide financial assurance for the offsite disposal of DUF₆ from the NEF using a minimum contingency factor of twenty-five percent (25%).

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Upon reaching 15,727 cylinders of DUF_6 in 48Y cylinders (or the equivalent amount of uranium stored in other NRC accepted and DOT certified cylinder types) in onsite storage, the licensee shall immediately increase the financial assurance to provide a fifty percent (50%) contingency factor for disposition of DUF_6 stored at the NEF unless: (a) an application to construct and operate a deconversion facility outside of New Mexico that is specifically designated to deconvert the DUF_6 stored onsite at the NEF has been docketed by the agency responsible for reviewing the application; (b) an application for such a facility has been approved by the agency responsible for reviewing the application; or (c) the licensee is using another alternate method for removing the DUF_6 stored onsite.

In addition, upon reaching the limit of 15,727 cylinders of DUF_6 in 48Y cylinders (or the equivalent amount of uranium stored in other NRC accepted and DOT certified cylinder types) in onsite storage, the licensee shall immediately increase the financial assurance to provide fifty percent (50%) contingency factor for disposition of DUF_6 stored at the NEF if the contingency factor has not already been increased to fifty percent (50%). The contingency factor shall remain at fifty percent (50%) until the number of cylinders stored onsite is reduced to ninety-eight percent (98%) of the 15,727 limit and either: (a) an application to construct and operate a deconversion facility outside of New Mexico that is specifically designated to deconvert the DUF_6 stored onsite at the NEF has been docketed by the agency responsible for reviewing the application; (b) an application for such a facility has been approved by the agency responsible for reviewing the application; or (c) the licensee is using another alternate method for removing the DUF_6 from New Mexico.

Nothing herein shall release the licensee from other financial assurance obligations set forth in applicable laws and regulations.

24. The licensee shall maintain and follow the Fundamental Nuclear Material Control Program for control and accounting and measurement control of uranium source material and special nuclear material at the NEF pursuant to 10 CFR 74.33(b). The licensee shall make no change to material control procedures essential for the safeguarding of uranium source material or special nuclear material that would decrease the effectiveness of the material control and accounting program implemented pursuant to 10 CFR 74.33(b) without prior approval of the Commission. If the licensee desires to make changes that would decrease the effectiveness of its material control and accounting program or its measurement control program, the licensee shall submit an application for amendment to its license pursuant to 10 CFR 70.34.

The licensee shall maintain records of changes to the material control and accounting program made without prior Commission approval a period of five years from the date of the change. The licensee shall furnish to the Director, Division of Nuclear Security, Office Nuclear Security and Incident Response, using an appropriate method listed in 10 CFR 70.5(a), a report containing a description of each change within six months of the change if it pertains to uranium enriched less than 20 percent in the uranium-235 isotope.

- 25. If there are any revisions to the nuclear criticality safety validation report, then the licensee shall provide a letter to NRC describing the changes and shall provide the revised validation report upon request. The licensee may not implement the changes in the revised validation report until NRC approves the changes.
- 26. The licensee shall not use, process, store, reproduce, transmit, handle, or allow access to classified matter except provided by applicable personnel and facility clearances as required under 10 CFR Part 95.
- 27. The licensee shall be limited to possession of no greater than 50 kg of UF_6 in the Centrifuge Assembly Building.

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28. The Licensee is exempted from the definitions of "commercial grade item," "basic component," "critical characteristics," dedicating entity," and "dedication" in 10 CFR 21.3, as replaced by the following:

Commercial grade item: A commercial grade item means a structure, system, or component, or part thereof that affects its IROFS function that was not designed and manufactured as a basic component. Commercial grade items do not include items where the design and manufacturing process require in-process inspections and verifications to ensure that defects or failures to comply are identified and corrected (i.e., one or more critical characteristics of the item cannot be verified).

Basic component: A basic component means a structure, system, or component, or part thereof that affects their IROFS function, that is directly procured by the licensee or activity subject to the regulations in part 70 and in which a defect or failure to comply with any applicable regulation in this chapter, order, or license issued by the Commission would create a substantial safety hazard (i.e., exceed performance requirements of 10 CFR 70.61). In all cases, basic components include IROFS-related design, analysis, inspection, testing, fabrication, replacement parts, or consulting services that are associated with the component hardware whether these services are performed by the component supplier or others.

When applied to fire protection systems procured for facilities and other activities licensed under 10 CFR Part 70 of the chapter, basic component means a structure, system, or component, or part thereof, that affects their safety function, in which a defect or failure to comply with any applicable regulation in this chapter, order, or license issued by the Commission could create a substantial safety hazard. For fire protection systems designated as items relied on for safety, a basic component may be directly procured from a commercial entity by a Part 70 licensee if: (1) the system, structure or component is manufactured to an established, acceptable national code or standard that includes some independent product endorsements based on qualification testing or periodic testing of selected characteristics of the component; and (2) the acceptability of the item's manufacture, testing, and/or certification has been reviewed and verified by the licensee prior to use as a basic component. Once the acceptability of the item has been designated for use as a basic component, the licensee accepts responsibility for Part 21 reporting.

Critical characteristics: Critical characteristics are those important design, material, and performance characteristics of a commercial grade item that, once verified, will provide reasonable assurance that the item will perform its intended IROFS function.

Dedication: Dedication is an acceptance process undertaken to provide reasonable assurance that a commercial grade item to be used as a basic component will perform its intended IROFS function and, in this respect, is deemed equivalent to an item designed and manufactured under a 10 CFR 50, Appendix B, Quality Assurance Program. This assurance is achieved by identifying the critical characteristics of the item and verifying their acceptability by inspections, tests, or analyses performed by the purchaser or third-party dedicating entity after delivery, supplemented as necessary by one or more of the following: commercial grade surveys, product inspections or witness at holdpoints at the manufacturer's facility, and analysis of historical records for acceptable performance. In all cases, the dedication process must be conducted in accordance with the applicable provisions of 10 CFR Part 50, Appendix B. The process is considered complete when the item is designated for use as a basic component.

Dedicating entity: Dedicating entity means the organization that performs the dedication process. Dedication may be performed by the manufacturer of the item, a third-party dedicating entity, or the licensee itself. The dedicating entity, pursuant to Section 21.21(c) of this part, is responsible for identifying and evaluating deviations, reporting defects and failure to comply for the dedicated item, and maintaining auditable records of the dedication process.

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	In cases where the licensee applies the commercial grade item procurement strategy and performs the dedication process, the licensee would assume full responsibility as the dedicating entity.				
	Prior to implementing the above commercial grade procurement shall submit a license amendment request to the NRC for appro Description to include its commitments described in its exemption and November 24, 2008.	oval amending its Quality Assurance Program			
29.	Deleted.				
30.	. No changes shall be made, without prior NRC approval, to specific sections of the safety analysis report (SAR) Chapters 3 and 5 that would result in modifying the current values for criticality-based analysis in a less conservative direction. Specific Chapter 3 sections include 3.2.5.2 related to Safe-By Design and Table 3.1-9, "Failure Frequency Index Numbers." Specific Chapter 5 sections include 5.0, 5.1.1 through 5.1.5, 5.2.1.2 through 5.2.1.7, and Tables 5.1.1 and 5.1-2. The above sections contain data and discussions related to safe-by-design, nuclear criticality safety analysis, nuclear criticality safety parameters, commitments, and the margin of safety for subcriticality. Any additional analysis that credits the use of absorbers in structural material without strictly adhering to ANSI/ANS-8.21 will require an amendment to the SAR and prior review and approval by the NRC.				
31.	31. Prior to designating areas where the dissemination of classified information will routinely occur, NRC will be notified to determine if additional security measures are required. If NRC does determine the need for additional security measures, an amendment request must be submitted, and approved, prior to establishment and use of the area(s).				
	FOR THE NUCLEAR REGULATORY COMMISSION				
	Brian W Uranium Division and Sa Office of and Sa U.S. Nuc	Smith, Chief Enrichment Branch of Fuel Cycle Safety feguards Nuclear Material Safety feguards clear Regulatory Commission aton, DC 20555-0001			