(10-89)				page <u>1</u> of <u>1</u> pa 6-7-94
_			RIALS LICENSE	
Code of Feder made by the li nuclear materi to persons auth	al Regulations, Chapter I, Parts icensee, a license is hereby issue al designated below; to use such norized to receive it in accordanc	30, 31, 32, 33, 34, d authorizing the lig material for the pur e with the regulation Act of 1954, as ame	35, 39, 40 and 70, and in reliance censee to receive, acquire, posses pose(s) and at the place(s) designs s of the applicable Part(s). This li- inded, and is subj:: to all applicable	of 1974 (Public Law 93-438), and Title e on statements and representations heretof s, and transfer byproduct, source, and spec- ted below; to deliver or transfer such mater cense shall be deemed to contain the condition of rules, regulations and orders of the Nucl
	Licensee			<u> </u>
1. Comb	ustion Engineering,	Inc.	3. License number	SNM-33 Amendment No. 28
	. Box 107 tite, Missouri 6304		2. 4. Expiration date	December 31, 1989
	*	CLER	5. Docket or Keference No.	70-36
	, source, and/or clear material		al and/or physical	 8. Maximum amount that licensee may possess at any one time under this license
·.	Uranium enriched to maximum 5.0 weight percent in the U-235 isotope	po	y, excluding metal wder	A. 8,000 kilograms contained U-235
I	Uranium, any U-235 enrichment	B. An	y	B. 350 grams
C. :	Source material (Uranium and Thorium	C. An) po	y, excluding metal wder	C. 50,000 kilograms
D.	Cobalt-60	D. Se	aled sources	D. 40 millicuries, total
Ε.	Americium-241	E. So	lid sources	E. 200 microcuries
F. (Cesium-137	F. Se	aled sources	F. 500 millicuries
G. (Californium-252	G. Se	aled sources	G. 4 milligrams
			ee's existing facili se renewal applicati	ties in Hematite, Missouri, on.

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NRC F (5-84)	Form 374A	U.S. NU		Ī	Icense number SNM-33 Ar Pocket or Refer 70-36	PAGE	2	OF	7	PAGES
	<u> </u>						JUN	7 1	1994	
10.	This lice Safeguards	nse shall be dee s Conditions. T t to compliance	med to conta hese section	in two secti s are part (ions: Sat of the lig	fety Con cense, a	dition nd the	ns an e lic	ıd :ensei	e
	is subject						on.			
			CLEAF		·	ان ۱۹۹۵ - ۲۰۰۰ ۱۹۹۵ - ۲۰				
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					میں میں اور اس					
				:	- ** <u>-</u>					
			FOR THE	NUCLEAR REG	GULATORY (COMMISSI	N			
Date	از_ך_ :e	INE 1994	By: D W	Robert (Robert (ivision of l and Safegua ashington, l	C. <u>Pierson</u> Fuel Cyclo ards, NMS DC 20555	n e Safety S		_		

1	374A U.S. NUL AR REGULATORY CO	DMMISSION PAGE 3 OF 7 PAGE
5-041		License number SNM-33 Amendment No. 28
	MATERIALS LICENSE	Docket or keference number
	SUPPLEMENTARY SHEET	70-36
		SAFETY CONDITIONS JUN 7 19 1594
	SAFETY (CONDITIC::S
S-1.		ained in Part I of the licensee's 26, 1982, and supplements dated ay 31, 1984; April 29, June 6, and 22, May 1, August 18, October 23, 3, January 3, January 12, March 16, 991; August 5 and November 6, 1992; lated October 28 (one which is a of Amendment-25), and December 16, and letters dated February 29, 1984,
S-2.	A written report shall be made by th Manager every 6 months reviewing emp and external) and effluent release o	oloyee radiation exposure (internal
	 a. if there are any upward trends of identifiable categories of worke effluent releases; 	leveloping in personnel exposure for ers, types of operations, or in
	b. if exposures and releases can be commitment; and	e lowered in accordance with the ALARA
	c. if equipment for effluent and exumple used, maintained, and inspected.	posure control is being properly
S-3.	Sealed byproduct material sources sh actions specified in the attached "L Byproduct Material Sources," dated A	hall be subject to the leak testing and icense Condition For Leak Testing Sealed April 1993.
S-4.	Release of equipment, facilities, or to uncontrolled areas onsite shall b "Guidelines for Decontamination of F Release for Unrestricted Use or Term Source, or Special Nuclear Material,	Facilities and Equipment Prior to Mination of Licenses for Byproduct,
S-5.		nsee is authorized to treat waste and scrap ed in U-235 and/or source material by
S-6.	The licensee shall survey spent lime for beta contamination. Rock with b the background of fresh rock shall r	estone rock discharge from each HF scrubber beta contamination which exceeds five times not be used for landfill.

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NRC Form 3	74A	U.S. NUL .AR REGULATORY COMMISSION	PAGE 4	OF 7 P/
(5-84)			License number	
		MATERIALS LICENSE	SNM-33 Amendment No.	28
		SUPPLEMENTARY SHEET	Docket or Reference number 70-36	•
		···	SAFETY CONDITIONS	JUN 7 图 19
S 7.	Tho 1	licensee shall decontaminate the two ev	connection nonde such t	that the audma
~		dual contamination in each pond does no		
		er 250 picocuries of insoluble uranium		
		dry gram of soil. The Tc-99 concentrat	ions in a composite s	ample for each
	pond	shall be determined.		
S-8.	a. 1	If the radioactivity in plant gaseous e	effluents exceeds 150	uCi per calend
	C	quarter, the licensee shall, within 30	days, prepare and subr	nit to the
		Commission a report which identifies th		
	1	the corrective actions to be taken by	the licensee to reduce	e the release
		rates. If the parameters important to shall be submitted(within 30 days which		
		and includes an estimate of the results		
		In the event that the calculated dose t		
		any consecutive 12-month period is about		
		specified in 40 CFR 190.10, the license		
	t	to reduce emissions so as to comply wit	h 40 CFR 190.10. As p	provided
		in 40 CFR 190.11, the licensee may peti		
		Commission for a variance from the requ		
		a petition for a variance is anticipate the request at least 90 days prior to e		
		in 40 CFR 190.10.		
~ ~			· • • • •	
S-9.		licensee shall maintain and execute the		
	and A	ingency Plan submitted to the Commissic August 23, 1990. The licensee shall al	n by reliers dated De 'so maintain imnlement'	ing procedure
	for h	is Radiological Contingency Plan as ne	cessary to implement	the Plan. Th
	licer	isee shall make no change in his Radiol	ogical Contingency Pla	an that would
	decre	ease the response effectiveness of the	Plan without prior Con	mmission appro
		videnced by a license amendment. The l		
		ological Contingency Plan without prior lecrease the response effectiveness of		
		Chief, Licensing Branch, Division of Fu		
		Nuclear Regulatory Commission, Washir		
		ription of each change within 6 months		
S-10.	Vt Tr	o and of the plant life the lines		ha faailitis
		he end of the plant life, the licensee in accordance with the general decommi		
	enclo	osure to the letter dated January 12. 1	979. so that these fa	cilities and
	groun	nds can be released to unrestricted use	e. The financial comm	itment to ass
	that	funds will be available for decommissi	oning in the letter d	ated March 8,
	1979,	, is hereby incorporated as a condition	of the license.	
'The rep	ort o	r petition should be submitted to the	Director, Office of Nu	ıclear Materia
sarety a	ind Sa	afeguards, with a copy to the Regional	Administrator, Region	111.

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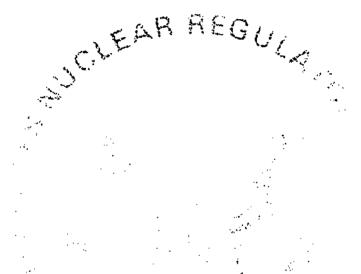
NRC Form		
NHC Form (>-84) -	374A U.S. NUC R REGULATORY COMMISSION MATERIALS LICENSE SUPPLEMENTARY SHEET	License number SNM-33 Amendment No. 28 Docket or Peference number 70-36
		SAFETY CONDITIONS JUN 7 2 1994
S-11.	The licensee shall continue the soil sampli fill areas, as described in the letter date discontinuance is authorized by the Commiss	ed February 29, 1984, until
S-12.	The monitoring program for the spent limest uranium activity on the surface of the sper a program, the licensee shall submit the sa NRC for approval.	nt limestone. Prior to conducting such
S-13.	Processing of UF ₆ in 10-ton cylinders is no	t authorized.
S-14.	The 10-ton UF ₆ cylinders shall be equipped	with valve protectors.
S-15.	The concrete pad for storage of UF, cylinde sloped or graded so that any spilled combus the storage area.	rs and the Surrounding area shall be stible fluids would not be confined to
S-16.	No combustibles shall be stored on the cond	crețe pad.
S-17.	A CO ₂ fire extinguisher shall be readily av	ailable near the storage pad.
S-18.	In addition to the controls in Section I of dated March 30, 1987, UF, cylinders which a UF, heels shall be either sealed, in sealed vehicles.	re in transport and containing
S-19.	Notwithstanding the statement in Section 4. k-effective of a unit or an array of units specifically authorized by the license.	2.3 of the application, the shall not exceed 0.95 unless
S-20.	Nuclear criticality safety evaluations perf with Section 2.7, Part I of the application optimum moderation and reflection of indivi	n, shall be based on assumptions of
S-21.	Nuclear criticality safety evaluations invo performed by a Nuclear Criticality Speciali and approved by an individual having, as a a Nuclear Criticality Specialist.	ist shall be independently reviewed
S-22.	For uranium enriched to more than 4.1 w/o L agglomeration/granulation process, each agg and the pellet pressing operation to safe m Table 4.2.4, Part I of the application.	plomerated powder storage location,
S-23.	At all times, the licensee shall limit mode powders), except poreformer and lubricant, each of the second and third floors of Buil	to not more than two 5-gallon pails on
505050505		

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NRC Form 374A	U.S. NUCL	.t REGULATORY COMMISSION		PAGE	6	OF	7	PAGES
(5-84)			License number					
	MATERIALS LICE	NSE	SNM-33 Ame		No.	28		
	SUPPLEMENTARY SH		Docket or Reference	ce number				
			70-36					
			C		•	JUN	71	1994
			SAFETY CON	DILION	5	001		=

S-24. The incumbent Superintendent, Production, identified in the amendment application dated August 12, 1991, is deemed to satisfy the education requirements for the position because of the incumbent's experience in the position since 1981 and his plant experience since 1974.

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Attachments:

1. License Condition for Leak Testing...

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2. Guidelines for Decontamination...

	374A U.S. NUL AR REGULATORY COM	MMISSION 7 7 7
(5-84)		License number
		SNM-33 Amendment No. 28
	MATERIALS LICENSE	Docket or Reference number
	SUPPLEMENTARY SHEET	70-36
	4 2 × 12	SAFEGUARDS CONDITIONS
	SAFEGUARDS	CONDITIONS
<u>Section</u>	<u> 1.0 - Material Control & Accounting</u>	
SG-1.1	and Part II, Chapters 1 through 5, of Plan dated January 1986, as revised b April, May, September, and December 1	
	Future revisions to this Plan shall 5 70.32(c) or 70.34.	be made in accordance with 10 CFR
	10.52(0) 01 10.54.	and the second sec
<u>Section</u>	2.0 - Physical Protection for SNM of	Low Strategic Significance
SG-2.1	The licensee shall follow the securit Plan for Protection of Nuclear Materi dated May 1980, as revised by Revisio dated November 12, 1992), and as revi	ial of Low Strategic Significance" on 3 dated November 1992 (letter
	provisions of 10 CFR 70.32(e).	
SG-2.2	The licensee shall ensure that the su guards or authorized person in accord surveillance over the UF_6 outdoor sto	lance with Section 3.1.1, includes
Continu	The licensee shall ensure that the su guards or authorized person in accord surveillance over the UF ₆ outdoor sto	lance with Section 3.1.1, includes prage area.
SG-2.2 <u>Section</u>	The licensee shall ensure that the suguards or authorized person in accord surveillance over the UF_6 outdoor sto	lance with Section 3.1.1, includes
Continu	The licensee shall ensure that the su guards or authorized person in accord surveillance over the UF ₆ outdoor sto	lance with Section 3.1.1, includes prage area.
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