Pursuant to the Atomic in	• 9gy Act of 1954, a	s aménded, the Ener	gy Reorganization Act of	of 1974 (Public Law 93	438), and Title
Code of Federal Rom	15. Chapte 1 Part	s 30, 31, 32, 33, 34	, 35, 40 and 20 and in	reliant on statements	and representation
source, and special multi-a-	material designate	d below; to use such	i material for the purpos	ie(s) and it the place(s) i	lesignated below.
deliver on transfer such mit license shall be deemed to	ienal to persons ai contain the cond	athorized to receive ations specified in Se	it in accordance with the store the store of	he regulations of the app me Energy Act of 1954.	licable Part(s). T as amended, and
subject to all applicable re	les, regulations an	d orders of the Nuc	lear Regulatory Commi	ssion now or hereafter i	n effect and to a
conditions specified below.				· · · · · · · · · · · · · · · · · · ·	
	Lucensee				••
12 Department of 1	he Army		3. License number	29-01022-14	
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2. Electronics Con	mand		Martine an angerer 1997 - Martines and an and a statements	anna maraonna a seo can ar china an canadaraith da maig de -	
AM SEL-SF	In Inman A	7707-5024	4. Expiration date	August 31, 1992	
ετ. Ροτιπουτη, Γ Μετο	iew Jersey U	1103-2024	5. Docket or U30 Reference No. 132	7, 1896, 1900, S	MB1300, SUB
6. Byproduct, source, and/o)†	7. Chemical and	l/or physical	8. Maximum amo	unt that licensee
special micical material	· .	IOIM		under this licen	se
A. Cobalt 60		A.		A.	
· · · ·					Carl A
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	•				-
B. Cestum 137		B.		b.	1977 - 1978 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 -
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C. Strontlum 90		L . [ي م ب
D Street time Gri		D Sualud Sc	Arcus (FCMA Dug		the lost to
		No. SH-B-	509048)	exceed 150	microcuries
E. Strontium 90		Ε.		per source)	
		Line and a second	-		
F. Stontium 90		F. Sealed So	urce (3M Dwg	F. 18 millicur	ies (not to
		110 · 12 - 13	(m	per source)	
G. Plutonium 239		G. Solid for metal)	m (Electroplated	I G. 0.0115 gram exceed 23 m	icrograms
i				(1.4 microc	urie) per
H. Plutonim 239		H. Solid for	m (Polyvinvl	set) H. 0.246 gram	(not to
ч	714	butyralr	resin)	819 microgr	am (50.3
nformation in this record	was deleted	Ex	2	microcurie)	per set)
n accordance with the Free	dom of Informatio		000 0001/1		MIIC

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U.S. NUCLEAR REGULATORY COMMUNICATION

MATERIALS LICENSE

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 1, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the Beensee, a license is hereby issued authorizing the licensee to receive, acourte, 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.



MATERIALS SUPPLEMENT/	REMARKE D	ocket or Reference comber
	0.	30=29741, 29~01022=08, 2 <u>9=01022-1</u>
	SI	NM-1327, 1896, 1900, SHET300 & SU
(6., 7. & 8. continued)		
6. Byproduct, source, and/o special nuclear material	r 7. Chemical and/or phys form	sical 8. Maximum amount that licensee may possess at any one time under this license
I. Cobalt 60	I.	I.
J. Plutonium 239	J. Eberline Instrument Model CS-1	Corp. J. 1 gram (not to exceed 0.163 nanogram (10
K. Thorium 230	K. Eberline Instrument Model CS-12	Corp. K. 1 milligram (not to 0.98 micrograms (20 nanocuries) per source
L. Thorium 232	L. Nuclear Research Con Model No. B-1093	rp. L. 2.76 kilogram (not to exceed 2.7 grams (300 nanocuries) per source
M. Krypton 85	M. Sealed Sources (USA Dwg. No. B124-12-8)	EA M. 120 curies (not to exceed 6 millicuries per source)
N. Americium 241	N. Sealed Sources (Ame) Radiochemical Center Amersham Code 2084)	rsham N. 50 millicuries (not to r, exceed 10 millicuries each)
O. Thorium 232	C. Solid form (Thorium fluoride coating on optical system)	0. 40 kilogram (not to exceed 2 grams (0.218 microcurie) per optica
		system)
9. Authorized use		· · · ·
A. through N. Calibration O. Optical coating on the	and operational check of rac rmal imaging devices.	diation detection instrumentation
	CONDITIONS	
10. Licensed material may and at temporary job s	be used at the licensee's fa ites of the licensee anywhen	acilities Ft. Monmouth, New Jerse re in the United States.
 Licensed material shal Joseph M. Santarsiero, 	l be used by, or under the s or Steven A. Horne.	supervision of, Barry J. Silber,
 Sealed sources or detered opened or sources remo licensee. 	ctor cells containing licens oved from source holders or o	sed material shall not be detector cells by the
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					SNM-1327,	<u>1895, 1</u>	900, S	MB130	8 0	SUB1150
(Contir	nued)	CONI	DITIONS						
13. A((1)	Any sealed source(s) H., I. and N. shall to exceed 6 months. which is not accompa within 6 months befo	or detector of be tested for Any source or nied by a cert re the transfe	cell(s) Teakage detecto ificate er shall	specified i and/or con or cell rec indicating not be put	n Item(taminat eived f that a into u	s) 7.A ion at rom an test se unt	thr inte other was p il te	ough rval per erfo sted	F., s not son rmed
((2)	Notwithstanding the licensed sealed sour when the source or d and/or gamma emittin material.	periodic leak ce or detector etector cell c g material or	test rec cell is contains 10 micro	quired by t s exempt fra 100 microco ocuries or	his con om such uries o less of	dition leak rless alpha	, any tests of b emit	eta ting	
Β.		Any sealed source or not be tested. When for use or transfer transfer.	detector cell the source or to another per	in stor detecto son, it	age and no pr cell is shall be to	t being removed ested b	used from efore	need stora use o	ge r	
C.	-	The test shall be can of radioactive mater presence of 0.005 mi source or detector c repaired, or dispose report shall be file known with the U.S. Nuclear Materials Sa Prussia, Pennsylvani the test results, an results shall be kep inspection by the Co Commission inspectio	pable of detectial on the test crocurie or modell shall be r d of in accord d within 5 day Nuclear Regula fety and Safeg a 19406. The d corrective a t in units of mmission. Recon.	ting the t sample emoved f iance wit s of the tory Con uards Br report s action ta microcur ords may	e presence e. If the movable con- rom service ch Commission date the mission, Re- mission, 631 chall speci- ches and she be dispose	of 0.00 test re ntamina e and d on regu leak te egion I Park Av fy the rds of all be n ed of f	5 micr veals tion, econta lation st res , ATTN enue, source leak t mainta ollowi	ocuri the minat s. A ult i : Ch King invo est ined ng	e ed, s ief, of lved for	•
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