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9 (1	RC FORM 374		JLATORY COMMISSION	PAGE	OF PAGES
	· OFFICIAL RE		LS LICENSE	Amendmen	
F	Pursuant to the Atomic Energy Act of 195				
	Code of Federal Regulations, Chapter I, Parts nade by the licensee, a license is hereby issue				sentations heretofore
	nuclear material designated below; to use such				ransfer such material
d te	o persons authorized to receive it in accordanc				1
S S	pecified in Section 183 of the Atomic Energy.			ble rules, regulations and c	orders of the Nuclear
	Regulatory Commission now or hereafter in e	ffect and to any condition	ns specified below.		
	Licensee	······································	·····	<u> </u>	·
			In accordance with lette	r dated May 3 1994	
1			3. License number	•	
	<ul> <li>Union Carbide Corporation (for Chemical and Plastics Company</li> </ul>		5. Electise number	47-00260-02	
	Technical Center	. <b>J</b> , <u></u>	is amended in its entire	ty to read as follows:	
2	1.0. DOX 0.01 (Diug. 740)	• D	REG		
	South Charleston, West Virginia	25303 EAR	4. EC XPITATION GATE	March 31, 1995	
	· · · · · · · · · · · · · · · · · · ·	Chr	5. Docket or Reference No.	2030-06652	
6	. Byproduct, source, and/or	7. Chemical and		6. Maximum amou:	nt that licensee
	special nuclear material	form		may possess at a	ny one time
				$\mathcal{P}$ under this license	e
	A. Any byproduct malerial,	Any cealed	source registered	A. 300 curies total	· · /
	A. Any byproduct material, except alpha emitters with		the requirements		
	atomic numbers 1 through 83	FR the comparison of the compa		0	
	inclusive Q		und)		
	B. Americium 241	A CANY Sealed	I neutron source //	3/ 25 curies total	
	S AMOUNTAIN SA S	registered	pursuant to the		
		932 requiremen	is of 10 CFR		
		2 32,210	1 All		· •
	C. Hydrogen 3	C. Any		$\sim$ 250 millicuries	
		5.91	B TAN	$\mathcal{N}$	
1	D. Carbon 14	D. Any		750 millicuries	
	9. Authorized Use:	A A	★ ★ *		
	A. & B. For possessio	on, storage and/or use	in the following:		eration testing, nveys and leak CFR 30.4(q).
			ned in 10 CFR 30.4(q).		
	(2) Maintenance		emoval and replacement		eration testing,
	and servicing testing of sea		cluding the performance	e of initial radiation su	rveys and leak
		atographs for sample	analysis.		
	(4) Instrument c	alibration	•		
	(5) Field analysis	s of level of density	1		}
	(6) Testing steel	vessels for carbon bui	idup (Am-241 only).		
	C. & D. For possessio	on, storage and/or use	in research and develop	pment as defined in 10	CFR 30.4(q).
	<b>A</b> *			-	
				4	7-115
	·				
2. C.			\\$/.\\$/_\\$ <u>/_\</u> \$/_\\$/_\\$/.\\$/.\\$/.\\$/.\\$/		

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(5-84)						License number				· · .		
	•	MATERIALS	LICENC	ЗF			47-0	0260-02			•	
		SUPPLEMENT				Docket or Refer					·	·
		SUPPLEMENT	ANT SHE	<b>21</b> ·			030-0	06652				·
ē.									•			——[
						}	Amendme	ent No.	44	•		1
§		·				<u> </u>			<u> </u>			
				•								
		-		CON	DITIONS							· .,
												·
10.	Licens	ed material may be	used at the	e licensee's fac	ilities located	l at the Technic	al Center, H	Canawh	a Turn	noike.	South	
ğ		ston, West Virgini										
		rary job sites of the										
		ins jurisdiction for										
11.	License	ed material shall be	e used by.	or under the s	supervision of	f, individuals de	esignated by	the lic	ensee'	s Rad	iation	
		Committee, Micha				,	J					
					DEA	<b>.</b> .						
12.	The R	adiation Safety Ol	ficer for t	histicence	Michael I	Green or in	his absence	JA 1	Bogess	Alte	ernate	
11. 11.	Radiat	ion Safety Officer.	~	CP.			4000400	,	5000	· · · · · · ·		
			い	-		· · · · · · · · · · · · · · · · · · ·						
13.	Α.	Sealed sources a	nd detecto	or cells shall H	be tested for	leakage and	- Contamin	ation a	t inter	vals +	iot to	
		exceed 6 months	or at such	other interva	ls as specified	d by the certifi	cate of regi	stration	refer	red to	in 10	
S	•	CFR 32.210.	The sure		opeene		$\gamma$		0.011			
			) 🏷				"L		•			
	В.	Notwithstanding	Paramanh	St this Con	ndition scale	a Receiver Presiv	med to emi	t alnha	nartic	loc ch	all ha	
	Ш.	tested for leakage	s and lor o	anterination	at intervale	oto over a contract of a	monthe	c arpira	partic	103 311		
		ising to rearing			>>> yais							
	C.	In the absence of	n cartificat		farmer in light	and the state to be the		mada			onthe	
	С.	prior to the trans										
3			ier, alsean		letector cell		another per	son sna	пог	be pu	l mio	ļ
ð		use until tested.								•		
	р	Tech cooled and	्र्ट्य	Ma wy			S.	c	- 4 4*		<b>6</b> 4-	1
	D.	Each sealed som						or con	structi	on ae	iects,	
je i se i		leakage, and con		TLUT TO ANY	ise of that sug	as a sealed s	source					1
	-	0.1.1				dill.	G					}
	E.	Sealed sources n	ted not be	leak tested 1							•	- 1
			11.			C	)					
	•	(i) they cont	ain only h	ydrogen-3; or		· 0						.
		(ii) they cont	ain only a	radioactive g	as; pr	The						
	•	/***	•CC-1									1
		(iii) the half-	ue of the	isotope is 30 g	ays or less;	or						}
		(-) A			• • • •		•	•				Ì
						beta and/or ga	amma emitt	ing mat	erial o	r not	more	
		than 10 r	nicrocurie	s of alpha emi	tting materia	l; or						ł
	-			• . • •	• .• •	• .			-			
						are in storage,						·
						r transferred to						
č						ey shall be test						
					ored for a per	riod of more th	an 10 years	withou	t being	g teste	d for	
		leakage a	ind/or con	tamination.								ļ
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NRC Form	374A	U.S. NULLEAR REGULATORY COMMISSION	
(5-84)			PAGE 3 OF 4 PAGE
	• •	MATERIALS LICENSE	47-00260-02
	• .	SUPPLEMENTARY SHEET	Docket or Reference number
		SUPPLEMENTART SHEET	, 030-06652 .
		<u> </u>	Amendment No. 44
	•	•	
(continu	ued)	CONDITIONS	
	<b>F.</b>	The leak test shall be capable of detecting the presence test sample. Records of leak test results shall be kept inspection by the Commission. If the test reveals the p contamination, a report shall be filed with the U.S. Nu be removed immediately from service and decontamin Commission regulations. The report shall be filed with with the U.S. Nuclear Regulatory Commission, Regi Section, 101 Marietta Street, NW, Suite 2900; Atlanti involved, the test results, and corrective action taken of microcuries and shall be maintained for inspection following Commission inspection.	in units of microcuries and shall be maintained for presence of 0.005 microcurie or more of removable iclear Regulatory Commission and the source shall nated, repaired, or disposed of in accordance with hin 5 days of the date the leak test result is known on II ATTN: Chief, Nuclear Materials Licensing A, GA 30323. The report shall specify the source Records of leak test results shall be kept in units
L.	G.	Tests for leakage and/or contamination shall be perfor licensed by the Commission or an Agreement State to	
. 14.	m 10 Cl	of using the conventional radiation caution colors (mag FR 20.203(a)(1); the licensees thereby authorized to la gas chromatography devices with conspicuously etched	der detector cells, containing licensed material and
<b>15.</b>	properly specifie	or cells containing a titanium trifide toil or a scandium of operating temperature control mechanism which of d by the manufacturer and approved by NRC.	events the foil temperature from exceeding that
16.	•	ing and Transportation of Radioactive Material	
17.	This lice	ense does not authorize commercial distribution of lices	nsed <sup>*</sup> material.
18.	This lice tempora	ense does not authorize the possession or use of lice ary job sites, except as specifically authorized under the	nsed material at customer facilities or customer customer's license.
19.		nsee shall not use licensed material in human beings or in ded otherwise by specific condition of this license.	n field applications where activity is released except
20.		nsee shall maintain records of information related to dec ecified in 10 CFR 30.35(g) until this license is terminat	
	incinera	t to 10 CFR 20.106(b) and 10 CFR 20.302, the license tion provided the gaseous effluent from incineration does e II, 10 CFR Part 20.	

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NRC Form 374A	U.S. N.	EAR REGULATORY COMM				<u></u>	·
(5-84)			License number	PAGE 4	OF	4	PAGES
		OFNER		47-0026	0-02		
、· ·	MATERIALS LI		Docket or Referen				
	SUPPLEMENTARY	SHEET .		030-066	52		
				Amendment	No. 44		
	•	•					
<b>.</b>	•		~		•		
(continued)		CONDITI	ONS				
the sector Reg	<ul> <li>(3) May 12, 1924</li> <li>(4) October 4, 1993 (a for any byproduct :</li> <li>(5) May 3, 1994 (char Technical Center Rad</li> </ul>	s, and procedures containe e medical use radiation sal llations shall govern unle	ed in the documents, inc fety procedures as provises the statements, repri- trictive than the regula EG 8 to include H-3 and bers 1-83 inclusive, in of ownerstip	luding any en ided in 10 CF esentations, a tions.	nclosures, l R 35.31.	listed b Fhe Nu dures i	elow, iclear n the
		FOR	THE U.S. NUCLEAR	REGULAT	ORY COM	AMISS	ION
			EARL G.	WRIGHT			
Date SE	P 1 6 1994	By	Earl St.	Wight	2		

Region II, Nuclear Materials Licensing Section 101 Marietta Street, Suite 2900 Atlanta, Georgia 30323 Region II, Nuclear Materials Licensing Section 101 Marietta Street, Suite 2900 Atlanta, Georgia 30323

A 9/16/94