	.	amend #4 1	To 37-2-416-2						
Form AEC-313 (2-57)	APPL	ATOMIC ENERGY COMMISSION APPLICATION FOR BYPRODUCT MATERIAL LICENSE							
only Items 1 thro mental sheets wi Commission, P. O application, the c ance with the gen	ugh 7 and indicate nere necessary. Ite Box E, Oak Ridge applicant will receive	new information or changes m 16 must be completed , Tenn. Attention: Isotopes e an AEC Byproduct Materia ontained in Title 10, Code of	al application. If application is for rene s in the program as requested in Items 8 on all applications. Mail two copies Extension, Division of Civilian Applicatio I License. An AEC Byproduct Material I f Federal Regulations, Part 30 and the lice	through 15. Use supple to: U. S. Atomic Energy n. Upon approval of this icense is issued in accord-					
1. (a) NAME AND STRE person, etc.)	ET ADDRESS OF APPLIC	CANT. (Institution, firm, hospital,	(b) STREET ADDRESS(ES) AT WHICH BYPRODUC different from 1 (a).)	T MATERIAL WILL BE USED. (
Nuclear P Research	right Corpora ower Departmo Reactor Dèvis Pennsylvania	ent sion	Same	* 5					
2. DEPARTMENT TO USE	BYPRODUCT MATERIAL	· · ·	3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of						
Nuclear P	ower Departm	ent ·	license, please indicate and give number.) 37-2416-2 + Al, A2 and A3						
supervise use of bypro		idividual(s) who will use or directly ining and experience in Items 8 and	37-2116-3C63 + A1. 5. RADIATION PROTECTION OFFICER (Name of p tection officer if other than individual user. At						
		the Isotopes van, Chairman	perience as in Items 8 and 9.) J. L. Donovan						
6. (a) BYPRODUCT MAI and mass numbe Iridium -	r of each.)	ICAL FORM THAT YOU WILL POS number, number of sources and ma		EACH CHEMICAL AND/OR PHY state name of monufacturer, mod					
· ·									
· · ·									
7. DESCRIBE PURPOSE I	FOR WHICH BYPRODUC	T MATERIAL WILL BE USED. (If by	yproduct material is for "human use," supplement A (Form AEC-313a) must be com-					
which the source will b	tem. If byproduct materic se stored and/or used.)	al is in the form of a sealed source, i	include the make and model number of the storag	e container and/or device in					
			varying from 7 to 150 curi 1 who will use them as radi						
lab of th	ne hot lab in	a ventilated cave	l be carried out in the ra behind 4 inches of lead. ms for ultimate disposal.	diochemistry Waste will					
			· .	11257					
				11501					

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form AEC	-313 (2/57)						-					Page Two
	TRAINING	AND EXPL	RIENCE OF E	ACH INDIVIDU	JAL NA	MED IN ITEM	<u>4 (</u>	lse supplemental	sheets if n	ecessary)	
B. TYPE (WHERE T	WHERE TRAINED					DN THE JOB FORMAL C (Circle or		
	les and practices a tion	previous applications					Yes	No	Yes	No		
tion a	activity measurement : nd monitoring techniq ents							Yes	No	Yes	No	
	matics and calculations nd measurement of rac								Yes	No	Yes	No
	ical effects of radiation								Yes	No	Yes	No
SOTOPE	IENCE WITH RADIATIO	····		- <u></u>	nt exper					TYPE O		
SOTOPE	MAXIMUM AMOUNT	<u>~</u>	HERE EXPERIENC	ERE EXPERIENCE WAS GAINED DURATION OF EX					:	TYPE OF USE		
	See	ŗ	previous	applics	ation	LS			•	•	F •	
D. RADI	ATION DETECTION INS		. (Use supplem	ental sheets if ne	cessary.)			!		- , -		
(Include	TYPE OF INSTRUMENTS make and model number			RADIÁTION DETECTED	1	(mr/hr)		OW THICKNESS (mg/cm²)	(Monito		JSE veying, mea	suring)
	See	e previ	ous appli	cations				:	• •	•		
	OD, FREQUENCY, AND	See pi	revious a	pplicatio	ns	•	l of calibr	ating and process	ing, or nam	e of supp	lier.)	
.=				s applica			TION	L CUTTE				
	ITIES AND EQUIPMENT.	Describe I	aboratory facilitie	N TO BE SUB					ne hoods, e	tc. Exp	lanatory ski	etch
of fac	ility is attached. (Circle	answer)	Yes No	See :	item	7 and p	revic	us appli	cation	s.		
testin	ATION PROTECTION PRO g procedures where appli maintenance and repair	icable, name), training, and ex e.		n to perfo	orm leak tests, a	and arran					
5. WAS be us	TE DISPOSAL. If a com ed for disposing of radio	active waste	s and estimates o	if the type and am	nount of a	activity involved	<u> </u>	k Ridge				
PREP/	APPLICANT AND ANY C RED IN CONFORMITY W LEMENTS ATTACHED HE	OFFICIAL EX	ECUTING THIS C	RAL REGULATIONS	EHALF C	F THE APPLICA 30, AND THAT NOWLEDGE AN Curt	NT NAM	ED IN ITEM 1, C DRMATION CON	TAINED HE	REIN, IN	PPLICATION CLUDING A	N IS NY
Date	June 19, 19	<u>958</u>		•	· • • •	Applicant By: <u>Reac</u> Title of cer	hi T tor I	<u>Bean</u> lealth_Ph	vsicis	t	•	
WARN: represen	ING.—18 U. S. C., S tation to any departmen	ection 100 nt or agenc	1; Act of June y of the United S	25, 1948; 62 5 States as to any	Stat. 749 matter w	9; makes it a ithin its jurisdi	criminal iction.	offense to ma	ke a willfu	ily faise	statement	or
		· · · · · · · · · · · · · · · · · · ·	U.	S. GOVERNMENT PRI	NTING OFFI	ICE : 1957 0-F-4	24006					
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