U.S. NUCLEAR REGULATORY COMMISSION

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Amendment No.: 1

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 I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, 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.

					I
1.	Lice Federal Resources Sup	ense oply		In accordance with application dated January 5, 2022.	4. Expiration Date: October 31, 2034
2.	235-G Log Canoe Circ Stevenville, MD 21666		TEST	3. License No.: 19-35565-01E is amended in its entirety to read as follows:	5. Docket No.: 030-39193 Reference No.:
6.	Byproduct, source, and/or special nuclear material	7.	Chemical and/or physical form 8.	Maximum amount that licensee 9. may possess at any one time under this license	Authorized use
Α.	Barium-133	A.	Sealed Sources (Spectrum A Techniques,)	A. No Possession Authorized	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.
В.	Carbon-14	B.	Sealed Sources (Spectrum Techniques,)	. No Possession Authorized B.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.

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				License No.: 19-35565-	-01E		
	M <i>A</i>	ATEF	RIALS LICENSE	Docket No.: 030-39193			
	SUP	PLE	MENTARY SHEET	Reference No.:			
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6.	Byproduct, source, and/or special nuclear material	7.	may p	num amount that licensee 9. possess at any one time this license	Authorized use		
C.	Cadmium-109	C.	Sealed Sources (Spectrum C. No Portechniques,)	ssession Authorized C.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		
D.	Cobalt-57	D.	Sealed Sources (Spectrum D. No Portechniques,)	ssession Authorized D.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		
E.	Cobalt-60	E.	Sealed Sources (Spectrum E. No Po-Techniques,)	ssession Authorized E.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		
F.	Cesium-137	F.	Sealed Sources (Spectrum F. No Por Techniques,)	ssession Authorized F.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		

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				License No.: 19-35565-	01E
	MA	λΤΕΙ	RIALS LICENSE	Docket No.: 030-39193	
	SUPI	PLE	MENTARY SHEET	Reference No.:	
				Amendment No.: 1	
6.	Byproduct, source, and/or special nuclear material	7.	may po	um amount that licensee ^{9.} ossess at any one time this license	Authorized use
G.	Europium-152	G.	A B B	session Authorized G.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.
H.	Manganese-54	H.	Sealed Sources (Spectrum H. No Pos Techniques,)	session Authorized OH.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.
l.	Sodium-22	I.	Sealed Sources (Spectrum I. No Pos Techniques,)	session Authorized .	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.
J.	Polonium-210	J.	Sealed Sources (Spectrum J. No Pos Techniques,)	session Authorized J.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.

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	SUPI	PLE	MENTARY SHEET	Reference No.:			
				Amendment No.: 1			
6.	Byproduct, source, and/or special nuclear material	7.	may pos	m amount that licensee ^{9.} ssess at any one time is license	Authorized use		
K.	Strontium-90	K.	Sealed Sources (Spectrum K. No Posse Techniques,)	ession Authorized K.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		
L.	Thallium-204	L.	Sealed Sources (Spectrum L. No Posse Techniques,)	ession Authorized OL.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		
M.	Zinc-65	M.	Sealed Sources (Spectrum M. No Posse Techniques,)	ession Authorized M.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		
N.	Iron-55	N.	Sealed Sources (Spectrum N. No Posse Techniques,)	ession Authorized N.	In accordance with 10 CFR 32.18, the licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.		

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8. Byproduct, source, and/or special nuclear material O. Lead-210 O. Sealed Sources (Spectrum Techniques.) P. Cesium-137 P. Sealed Sources (Spectrum Techniques.) P. No Possession Authorized P. In accordance with 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maxima activity listed in 10 CFR 32.17, Schedule persons exempt from licensing under 10 30.18, or equivalent regulations of any Agreement State.					License No.: 19-35565-	01E
SUPPLEMENTARY SHEET Reference No.: Amendment No.: 1 6. Byproduct, source, and/or special nuclear material O. Lead-210 O. Sealed Sources (Spectrum Techniques.) O. Sealed Sources (Spectrum Techniques.) P. Cesium-137 P. Sealed Sources (Spectrum Techniques.) P. No Possession Authorized P. In accordance with 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed in 10 CFR 32.18, the licensee is authorized to distribute count standards with no more than the maximal activity listed		MA	\TEF	RIALS LICENSE	Docket No.: 030-39193	
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THIND THE WORLD	P. (Cesium-137	P.		OM	licensee is authorized to distribute counting standards with no more than the maximum activity listed in 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any
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CONDITIONS

- 10. This license does not authorize possession or use of licensed materials.
- 11. The licensee may distribute material from licensee's facilities located at 203-B and 235-G Log Canoe Circle, Stevenville, Maryland, 21666
- 12. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated August 16, 2019 (ML19233A139);
 - B. Letter dated September 25, 2019 (ML19273A093);
 - C. Email dated September 27, 2019 (ML19275E585);
 - D. Letter dated January 5, 2022 (ML22010A239).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

By: Shirley S. Xu

Digitally signed by Shirley S. Xu Date: 2022.03.28 16:07:00 -04'00'

Headquarters

Date: March 28, 2022