U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 4

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.

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Americium-241	Americium-241	Any byproduct material with Atomic Nos. 1 through 96	Byproduct, source, and/or special nuclear material	8430 Estates Ct. Plain City, OH 43064	dvano
ium-2	cium,	produ al with throug	uct, so specia	state ity, C	ed o
141	241	ct Atom yh 96	urce, I nucle	s Ct. OH 4	Saugi
		O.	är	3064	Li ng Te
				-	Licensee Advanced Gauging Technologies, LLC
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Sealed sources (Eckert & Ziegler Isotope Products, Model Am1.G44; QSA Global, Inc., Model AMC.19)	Sealed sources (Eckert & Ziegler Isotope Products, Model Am1.G44; QSA Globa Inc., Model AMC.19)	Analytical samples	Chemical and/or physical form) - -
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rces (ope P .G44; AMC.	rces (ope P .G44; AMC	EDI	d/or p	ES A.	
Ecker roduc QSA 19)	roduc QSA 19)	S	hysica	10	
f & Glob	f &		I form	m/ ω	07
<u>;</u>	Ö	Part of	CONTRACT!		ctobe
	The second	1 Sand Sand		License No.: 34-32021-02 is renewed in its entirety to read as follows:	In accordance with application dated October 26, 2023,
	(B)	> P	8.	s: ed in	202:
1 curie per source curie total	curie total	Not to exceed 10 microcuries per seconds: 1 millicurie	Maximum amount the may possess at any under this license	34-32 its er	ith ag
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sourc	1 source	ed 10 per s curie	nount at an ense	02 to re	tion
e and 1		Not to exceed 10 microcuries per sample; Total: 1 millicurie	that lic	a	dated
_	_	234W	Maximum amount that licensee may possess at any one time under this license	, Oi	
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nor cor saf Mo	For nor cor saf Tec	per cus	Aut	Docket No.: 030-35194 Reference No.:	ratio
For use a non-rout compone safety of Model G devices.	For use and/or p non-routine mair components rela safety of Advanc Technologies Mo gauging devices	For possession inciperformance of test customers sealed scommercial service.	Authorized use	e No .: 0	า Dat
and/o ine m ents r Gam R 100	and/o ine m ents r Adva gies devic	essic ance or rs sea	d use	: 30- <u>3</u>	9.
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sessinance de to the strun	For use and/or possession in non-routine maintenance or components related to the resafety of Advanced Gauging Technologies Model AGT 40 gauging devices.	ident t for le source			1, 20
For use and/or possession incident non-routine maintenance or repair components related to the radiologi safety of Gamma Instruments, Inc., Model GR 100 gamma gauging devices.	on inces or reading along the rading fing fing fing fing fing fine fine fine fine fine fine fine fine	For possession incident to the performance of test for leakage on customers sealed sources as a commercial service.			39
For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Gamma Instruments, Inc., Model GR 100 gamma gauging devices.	For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Advanced Gauging Technologies Model AGT 400 gamma gauging devices.	a e On			
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	G. Americium-241 G. Sealed sources (A Model S-16; Ecker Ziegler Isotope Pra Model Am1.G44, A or Am1.G66; QSA Inc., Model AMC.1 AMC.30, AMC.50)	F. Americium-241 F. Sealed so Inc., Mod	E. Americium-241 E. Sealed so Industries (HP); QS. AMC.19)	D. Americium-241 D. Sealed sources (E Ziegler Isotope Pr Model Am1.G55)	6. Byproduct, source, 7. Chemical and/or special nuclear material	SUPPLEMENTARY SHEET	MATERIALS LICENSE	NRC FORM 374A	
Official Use Only - Security-Related Information	BB, Inc., G. 1 curie per sol t & curie total oducts, Am1.G55 Global, 9,	Sealed sources (QSA Global, F. 3 curies per source and 3 lnc., Model AMC.30) curies total	Sealed sources (Gamma E. 1 curie per source and Industries, Inc., Model NB curie total (HP); QSA Global, Inc., Model AMC.19)	cuickert & D. 4 coducts, cui	Chemical and/or physical form 8. Maximum amount that licensee may possess at any one time under this license	Amendment No. 4	License No.: 34-32021-02 Docket or F	U.S. NUCLEAR REGULATORY COMMISSION	Official Use Only - Security-Related Information
ormation	d 1 G. For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of BSK Industries Model I-1000-1 thickness/transmission gauging devices.	F. For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Data Measurement Corporation Model AM-3E thickness gauge source holders.	E. For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Data Measurement Corporation Model AM-5A thickness gauge source holders.	nd 4 D. For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Gamma Instruments, Inc., Model GR 104 gamma gauging devices.	icensee 9. Authorized use		Docket or Reference No.: 030-35194	PAGE 2 OF 7 PAGES	rmation

		I. Strontlum-90	H. Americium-241		SUPPLEMENTARY SHEET	MATERIALS LICENSE	NRC FORM 374A
Model IEC.D2)		Ziegler Isotope Model SIF.D1) Sealed source	H. Sealed sou Ziegler Isot Model Am1 Inc., Model		SHEET	Z S III	
₩ ₩ ₩	SA Global, 5. SA Shopal, 5. SA Shopal, 5.	s (Eckert & I.) Products,	obal,	N S	Amendment No. 4	License No.: 34-32021-02	U.S. NUCLEAR REGULATORY COMMISSION
100 millicuries total	curie total Curie	and 100 millicuries per source I.	1 curie per source and 1 H. curie total	Maximum amount that licensee 9. may possess at any one time under this license		Docket or Reference No.: 030-35194	ory commission
non-routine maintenance or repair of components related to the radiological safety of Loral Control Systems Model 5320 source housings.	non-routine maintenance or repair of components related to the radiological safety of Lockheed Martin Tactical Systems Model 5310 gamma gauging devices. For use and/or possession incident to	For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Global Gauge Corporation Model SH-6090 C-Arm or fixed frame thickness gauging devices.	For use and/or possession incident to non-routine maintenance or repair of components related to the radiological safety of Global Gauge Corporation Model SH-6000 C-Arm or fixed frame thickness gauging devices.	Authorized use		œ No.:	PAGE 3 OF 7 PAGES

MATERIALS LICENSE SUPPLEMENTARY SHEET Am	NRC FORM 374A	O.
License No.: 34-32021-02 Amendment No. 4	U.S. NUCLEAR REGULATORY COMMISSION	Official Use Only - Security-Related Inf
Docket or Reference No.: 030-35194	ISSION	ted Information
	PAGE 4 OF 7 PAGES	

CONDITIONS

- 10. This license does not authorize commercial distribution of licensed material.
- Licensed material may be used or stored only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclea within Agreement States. Regulatory Commission maintains jurisdiction for regulating the use of licensed material) including areas of exclusive Federal jurisdiction

appropriate state regulatory agency. controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction should be obtained from the If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency

- 12. The Radiation Safety Officer (RSO) for this license is Scott A. Cook.
- <u>3</u> Licensed material shall only be used by, or under the supervision of, individuals who have received the training described in the revised application dated March 12, 2024 and letter dated April 4, 2024, and have been designated in writing by the Radiation Safety Officer. The individual licensee shall maintain records of individuals designated as users for three years following the last use of licensed material by the

SUPPLEMENTARY SHEET An	NRC FORM 374A	0		
Amendment No. 4		License No.: 34-32021-02	U.S. NUCLEAR REGULATORY COMMISSION	Official Use Only - Security-Related Information
	030-35194	Docket or Reference No.:	ISSION	ted Information
	,		PAGE 5 OF 7 PAGES	

- 14. Þ the absence of a registration certificate, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in months, or at such other intervals as specified. the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State. In
- œ In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32,210 or by an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received
- ? Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination. use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or
- Ō filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) or more of removable contamination, a report shall be immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test
- ÌШ Analysis of leak test samples and/or contamination shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory the analysis. Commission or an Agreement State to perform such services. The licensee is authorized to collect leak test samples but not perform
- Щ Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for three years

	SUPPLEMENTARY SHEET	MATERIALS LICENSE		NRC FORM 374A	
	Amendment No. 4		License No.: 34-32021-02	U.S. NUCLEAR REGULATORY COMMISSION	Official Use Only - Security-Related Info
-		030-35194	Docket or Reference No.:		ted Information
				PAGE 6 OF 7 PAGES	

- 15. Sealed sources containing licensed material shall not be opened or removed from source holders by the licensee, except as specifically authorized
- 6. Prior to initial use or return to service after installation, relocation, dismantling, alignment, or any other activity involving the source or around, above, and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the U.S. Nuclear Regulatory Commission or an Agreement State. removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas
- 17. Prior to initial use or return to service after installation, relocation, dismantling, alignment, or any other activity involving the source or test shall be performed only by persons authorized to perform such services by the U.S. Nuclear Regulatory Commission or an Agreement removal of the shielding, each gauge shall be tested for the proper operation of the on-off mechanism (shutter) and indicator, if any. This
- 18 Except for maintaining labeling as required by 10 CFR Part 20, or Part 71, the licensee shall obtain authorization from the U.S. Nuclear Commission pursuant to 10 CFR 32.210 or by an Agreement State. description or specifications as indicated in the respective certificate of registration issued either by the U.S. Nuclear Regulatory Regulatory Commission before making any changes in the sealed source, device, or source-device combination that would alter the
- 19. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit in 10 CFR 30.35(d) for which decommissioning financial assurance is required

	20. Except as specifically provided otherwise in this representations, and procedures contained in the those statements, representations, and procedures correspondence impose on the licensee requires. A. Revised application dated March 12, 2024 (B. Letter dated April 17, 2024 (ML24109A0457), C. Letter dated April 17, 2024 (ML24109A049) Date: May 29, 2024	SUPPLEMENTARY SHEET	MATERIALS LICENSE	NRC FORM 374A	
Official Use Only - Security-Related Information	Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance representations, and procedures contained in the documents, including any enclosures, listed below. This those statements, representations, and procedures that are required to be submitted in accordance with the Regulatory Commission's regulations shall govern unless the statements, representations, and procedures correspondence impose on the licensee requirements that are more restrictive than or, in addition to the reg. A. Revised application dated March 12, 2024 (ML24072A518), excluding Appendix B, Section 9, Facilities' and Equipment C. Letter dated April 17, 2024 (ML24109A049) FOR THE U. S. NUCLEAR REG. Bryan A. Parker Region III Region III	Amendment No. 4	License No.: 34-32021-02	U.S. NUCLEAR REGULATORY COMMISSION	Official IIco Only - Security-Rela
ated Information	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 statements, representations, and 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 licenseer's application and correspondence impose on the licenseer requirements that are more restrictive than or, in addition to the regulations. 8. Revised application dated March 12, 2024 (ML24109A049) 8. Letter dated April 4, 2024 (ML24109A049) FOR THE U.S. NUCLEAR REGULATORY COMMISSION Bryan A. Parker Date: 2024,05.29 Bryan A. Parker Date: 2024,05.29 Bryan A. Parker Parker Parker Bryan A. Parker Date: 2024,05.29 Bryan A. Parker		Docket or Reference No.: 030-35194	MISSION PAGE 7 OF 7 PAGES	tod Information