NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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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.

A			
Licensee		In accordance with	letter dated
		August 24, 2014	
1. Geolabs, Inc.			53-23231-01 is amended in
	. 12	its entirety to read a	
2. 2006 Kalihi Street	EAN	4. Expiration date A	
Honolulu, Hawaii 96819	UCLEAR	5. Docket No. 030-2	20393
	<u>5</u> ~	Reference No.	<u>> </u>
6. Byproduct, source, and/or special nuclear material	7. Chemical and/o	or physical form	8 Maximum amount that licensee may possess at any one time under this license
A. Cesium-137		QSA, Inc., Model	A. 9 millicuries per source and 144 millicuries total
B. Americium-241:Be	Products La No. HEG-13		
DEL	Technology/ No. AMNV.9 Products La Nos. AM1.N 3027)	ron sources (AEA QSA, Inc., Model 997; or Isotope boratories Model O2, 3021 or	B. 44 millicuries per source and 704 millicuries total
C. Cesium-137	No. CDC.80	QSA, Inc., Model 5; or Isotope boratories Model	C. 11 millicuries per source and 88 millicuries total
D. Americium-241:Be	Technology/ No. AMNV.9	ron sources (AEA /QSA, Inc., Model 997; or Isotope boratories Model /O2)	D. 44 millicuries per source and 352 millicuries total
E. Cesium-137	No. CDCW5	/QSA, Inc., Model 556; or Isotope boratories Model	E. 9 millicuries per source and 9 millicuries total

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9.	Authorized use:						
	A. a	and B.	To be used in Troxler Electronic Labora devices for measuring physical properties	tories, Model 3400 Series portable gauging es of materials.			
	С. а	and D.	To be used in InstroTek Inc., Model 350 measuring physical properties of materi				
	E. To be used in Troxler Electronic Laboratories, Model 4640B Series portable gauging devices for measuring physical properties of materials.						
			CONDITIONS				
10.	Lice	ensed mater	al may be used or stored only at the lice	nsee's facilities located at:			
	A. 2006 Kalihi Street, Honolulu, Hawaii (Island of Oahu),						
	B. 74-5039 B Queen Kaahumanu Highway, Kona, Hawaii (Island of Hawaii),						
	C. 780 Alua Street, Wailuku, Maui, Hawaii (Island of Maui),						
	D.	100 Rapozo	Crossing Road, Lihue, Hawaii, and	Sold States			
	E. Temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.						
	con is a Agr	tact the fede	eral agency controlling the job site in quest clusive Federal jurisdiction. Authorization es not under exclusive Federal jurisdictic	eement state is unknown, the licensee should stion to determine whether the proposed job site n for use of radioactive materials at job sites in n shall be obtained from the appropriate state			
11.	Licensed materials may be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the application dated April 16, 2010.						
12.	The	e Radiation S	Safety Officer (RSO) for this license is Ste	even K. Asato.			
13.		intervals spe		ntamination at intervals not to exceed the ued by U.S. Nuclear Regulatory Commission			
		intervals spe	ecified in the certificate of registration issue	ating that a leak test has been made within the ued by U.S. Nuclear Regulatory Commission r to the transfer, a sealed source or detector cell			

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received from another person shall not be put into use until tested and the test results received.

C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.



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	ra (1 Re im Co kr Te so E. Te U th te	he leak test shall be capable of detecting the presendioactive material on the test sample. If the test re 85 becquerels) or more of removable contaminatio egulatory Commission in accordance with 10 CFR mediately from service and decontaminated, repai ommission regulations. The report shall be filed wit nown with the U.S. Nuclear Regulatory Commission exas 76011-4511, ATTN: Director, Division of Nucle burce involved, the test results, and corrective action ests for leakage and/or contamination shall be performed. S. Nuclear Regulatory Commission or an Agreement e licensee is authorized to collect leak test samples st samples must be performed by persons specification greement State to perform such services.	veals the presence of 0.005 microcuries in, a report shall be filed with the U.S. Nuclear 30.50(c)(2), and the source shall be removed red, or disposed of in accordance with hin 5 days of the date the leak test result is n, Region IV, 1600 East Lamar Blvd., Arlington, ear Materials Safety. The report shall specify the in taken.				
	F. Records of leak tests results shall be kept in units of microcuries and shall be maintained for 3 years.						
14.	 Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized. 						
15.	5. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.						
16.	5. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from U.S. Nuclear Regulatory Commission before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.						
17.	Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.						
18.	the ga	leaning, maintenance, or repair of the gauges that auge shall be performed only by the manufacturer of Nuclear Regulatory Commission or an Agreement S	or other persons specifically licensed by the				
19.		censee is authorized to transport licensed material R Part 71, "Packaging and Transportation of Radio					

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20.	A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.				
	B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U.S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent. Notification and reporting requirements should be made to the NRC Emergency Operations Center at 301-816-5100.				
21.	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, includin any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unlet the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.				

By

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date September 8, 2014

A. Application dated April 16, 2010 B. Letter dated April 19, 2010

UNITED I

R/A

Michelle Simmons, Health Physicist Nuclear Materials Safety Branch B Region IV Arlington, Texas 76011-4511

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