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U.S. NUCLEAR REGULATORY COMMISSION

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.

Licensee	In accordance with application dated				
	June 11, 2015				
1. R & M Engineering, Inc.	3. License number 50-23509-01 is amended				
	in its entirety to read as follows:				
2. 6205 Glacier Highway	4. Expiration date December 31, 2025				
Juneau, Alaska 99801-7906 💦 📡 🏳 👘	5. Docket No. 030-22284				
2. 6205 Glacier Highway Juneau, Alaska 99801-7906	Reference No.				
6. Byproduct, source, and/or special nuclear material	cal form 8. Maximum amount that licensee may possess at any one time under this license				
B. Americium-241:Be B. Americium-241:Be B. Sealed neutror Technology/QS No. AMNV.997 Product Labora	SA, Inc., Model 50 millicuries total 53 or Isotope atories Model 54 millicuries per source and 55 millicuries total 50 millicuries per source and 50 millicuries total				
9. Authorized use:	K **				
A. and B. To be used in Troxler Electronic Laboratories, Inc., Model No. 3400 Series portable gauging devices for measuring physical properties of materials.					
CONDI	ITIONS				
10. Licensed material may be used or stored only at the licensee's facilities located at:					
A. 6205 Glacier Highway, Juneau, Alaska, and					
 B. Temporary job sites of the licensee 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. If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should 					

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	contact the federal 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 shall be obtained from the appropriate state regulatory agency.						
11.		ensed material shall only be used by, or under the su viduals who have received the training described in a					
12.	The	Radiation Safety Officer (RSO) for this license is J. N	/ark Pusich, P.E.				
13.	A.	Sealed sources shall be tested for leakage and/or co intervals specified in the certificate of registration iss under 10 CFR 32.210 or by an Agreement State.					
	В.	In the absence of a certificate from a transferor indic intervals specified in the certificate of registration iss under 10 CFR 32.210 or by an Agreement State prior received from another person shall not be put into us	ued by the U.S. Nuclear Regulatory Commission or to the transfer, a sealed source or detector cell				
	C.	Sealed sources need not be leak tested if they are in when they are removed from storage for use or trans tested within the required leak test interval, they sha source shall be stored for a period of more than 10 y contamination.	sfe <mark>rred to</mark> another person, and have not been It be tested before use or transfer. No sealed				
	D.	The leak test shall be capable of detecting the prese radioactive material on the test sample. If the test re (185 becquerels) or more of removable contamination Regulatory Commission in accordance with 10 CFR immediately from service and decontaminated, repair Commission regulations. The report shall be filed witk known with the U.S. Nuclear Regulatory Commission Arlington, Texas 76011-4511, ATTN: Director, Divisi specify the source involved, the test results, and com-	eveals the presence of 0.005 microcurie on, a report shall be filed with the U.S. Nuclear 30.50(c)(2), and the source shall be removed ired, or disposed of in accordance with thin 5 days of the date the leak test result is n, Region IV, 1600 East Lamar Boulevard, on of Nuclear Materials Safety. The report shall				
	E.	Tests for leakage and/or contamination shall be perf U.S. Nuclear Regulatory Commission or an Agreeme the licensee is authorized to collect leak test sample test samples must be performed by persons specific Agreement State to perform such services.	ent State to perform such services. In addition, s but not perform the analysis; analysis of leak				
	F.	Records of leak tests results shall be kept in units of	microcuries and shall be maintained for 3 years.				
14.		aled sources or source rods containing licensed mate ached from source rods or gauges by the licensee, e					

15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the

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	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.	Except for maintaining labeling as required by 10 CFR F authorization from U.S. Nuclear Regulatory Commission source, device, or source-device combination that would indicated in the respective Certificates of Registration is 10 CFR 32.210 or by an Agreement State.	n before making any changes in the sealed I alter the description or specifications as						
17.	Each portable nuclear gauge shall have a lock or outer l unauthorized or accidental removal of the sealed source container must be locked when in transport, storage or v authorized user.	e from its shielded position. The gauge or its						
18.	Any cleaning, maintenance, or repair of the gauges that the gauge shall be performed only by the manufacturer U.S. Nuclear Regulatory Commission or an Agreement	or other persons specifically licensed by the						
19.	A. If the licensee uses unshielded sealed sources exten licensee shall use surface casing that extends from and other appropriate procedures to reduce the prot below the surface. If it is not feasible to extend the o shall implement procedures to ensure that the cased measurements.	the lowest depth to 12 inches above the surface bability of the source or probe becoming lodged basing 12 inches above the surface, the licensee						
	B. If a sealed source or a probe containing sealed sour becomes apparent that efforts to recover the sealed licensee shall notify the U.S. Nuclear Regulatory Co 10 CFR 30.50(b)(2) and (c). The licensee shall not obtaining the Commission's prior written consent. N made to the NRC Emergency Operations Center at 3	source or probe may not be successful, the mmission and submit the report required by abandon the sealed source or probe without otification and reporting requirements should be						
20.	The licensee is authorized to transport licensed material 10 CFR Part 71, "Packaging and Transportation of Radi							

21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in

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accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. 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 June 11, 2015 (ML15215A350)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date December 11, 2015

By

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

R/A