NRC FORM 374 U.S. NUCLEAR REGULA	PAGE <u>1</u> OF <u>4</u> PAGES ATORY COMMISSION Amendment No. 08					
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					
1. Dakota Panel	October 8, 2015 3. License number 40-23107-01 is amended in its entirety to read as follows:					
2. 1651 Culvert Street	4. Expiration date January 31, 2026					
Rapid City, South Dakota 57701	5. Docket No. 030-20262 Reference No.					
 Byproduct, source, and/or special nuclear material Chemical and/or physical special nuclear material 	8. Maximum amount that licensee may possess at any one time under this license					
A. Cesium-137 A. Sealed source Americas Corp A-2102, A-210 A-58804 or A-5	oration Models and 200 millicuries total 4, A-57878,					
 Authorized use: A. For weight measurements in VEGA Americas accordance with the certificate of registration i under 10 CFR 32.210 or with an Agreement S with a Commission or Agreement State specificate 	Corporation Model SHRM-BW fixed gauging devices in ssued by the U.S. Nuclear Regulatory Commission tate and which have been distributed in accordance ic license authorizing distribution to persons specifically ate license to receive, possess, and use the devices.					
COND						
 Licensed material may be stored or used only at th Rapid City, South Dakota. 	e licensee's facilities located at 1651 Culvert Street,					
 Licensed material shall be used by, or under the sudescribed in the application dated October 8, 2015 designated as users for 3 years following the last upplication 	. The licensee shall maintain records of individuals					
12. The Radiation Safety Officer (RSO) for this license	is Allan T. Tait.					

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13.	A.	Sealed sources and detector cells shall be tested for exceed 6 months or at such other intervals specified U.S. Nuclear Regulatory Commission under 10 CFR	d in the certificate of registration issued by the		
	В.	Notwithstanding Paragraph A of this condition, seal particles shall be tested for leakage and/or contamination of the second sec			
	C.	In the absence of a certificate from a transferor indi- intervals specified in the certificate of registration is under 10 CFR 32.210 or by an Agreement State, pr another person shall not be put into use until tested	sued by the U.S. Nuclear Regulatory Commission ior to the transfer, a sealed source received from		
	D.	Sealed sources need not be tested if they contain o gas; or the half-life of the isotope is 30 days or less beta and/or gamma emitting material or not more th	; or they contain not more than 100 microcuries of		
	E.	Sealed sources need not be tested if they are in sto they are removed from storage for use or transferrer within the required leak test interval, they shall be te shall be stored for a period of more than 10 years we contamination.	ed to another person, and have not been tested ested before use or transfer. No sealed source		
	F.	The leak test shall be capable of detecting the pres- radioactive material on the test sample. If the test r (185 becquerels) or more of removable contamination Regulatory Commission in accordance with 10 CFF immediately from service and decontaminated, repar- Commission regulations. The report shall be filed we known with the appropriate U.S. Nuclear Regulatory Boulevard, Arlington, Texas 76011-4511, ATTN: D report shall specify the source involved, the test res	eveals the presence of 0.005 microcuries on, a report shall be filed with the U.S. Nuclear R 30 50(c)(2), and the source shall be removed aired, or disposed of in accordance with vithin 5 days of the date the leak test result is y Commission, Region IV, 1600 East Lamar irector, Division of Nuclear Materials Safety. The		
	G.	Tests for leakage and/or contamination, limited to leave persons specifically licensed by the U.S. Nuclear Reperform such services. The licensee is not authoriz samples must be performed by persons specifically State to perform such services.	egulatory Commission or an Agreement State to red to perform the analysis. Analysis of leak test		
	H.	Records of leak test results shall be kept in units of	microcuries and shall be maintained for 3 years.		
14.	14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.				
15.	15. 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 sealed 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.				

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16.	 A. Each gauge shall be tested for the proper operation of the on-off mechanism (shutter) and indicator, if any, at intervals not to exceed 6 months or at such longer intervals as specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or the equivalent regulations of an Agreement State. B. Notwithstanding the periodic on-off mechanism (shutter) and indicator test, the requirement does not 					
	apply to gauges that are stored, not being used, and have the shutter lock mechanism in a locked position. The gauges exempted from this periodic test shall be tested before use.					
17.	17. The following services shall not be performed by the licensee: installation, initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed source and non-routine maintenance or repair of components related to the radiological safety of the gauge (i.e., the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, shielding). These services shall be performed only by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.					
18.	18. The licensee may initially mount a gauge if permitted by the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and under the following conditions:					
	А. В.	the gauge must be mounted in accordance with write the gauge must be mounted in a location compatible	with the "Conditions of Normal Use" and			
	C.	"Limitations and/or Other Considerations of Use" in t U.S. Nuclear Regulatory Commission or an Agreem the on-off mechanism (shutter) must be locked in the otherwise fully shielded;	ent State;			
	D.	the gauge must be received in good condition (e.g.,	package was not damaged); and			
	E.	the gauge must not require any modification to fit in	the proposed location.			
	Mounting does not include electrical connection, activation or operation of the gauge. The source must remain fully shielded and the gauge may not be used until it is installed and made operational by a person specifically licensed by the U.S. Regulatory Commission or an Agreement State to perform such operations.					
19.	A.	The licensee may maintain, repair, or replace device radiological safety of the device containing byproduc for any portion of the body to come into contact with in accessible areas.	t material and that do not result in the potential			
	B.	The licensee may not maintain, repair, or replace an source, the source holder, source drive mechanism, shielding, or any other component related to the radio therwise by specific condition of this license.	on-off mechanism (shutter), shutter control, or			

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20.	20. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas 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.							ed to open.	
21.		e shall operate each device contai e and environmental limits such tha npromised.							
22.	22. The licensee shall assure that the shutter mechanism of each device is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify, as appropriate, its "lock-out" procedures whenever a new device is obtained to incorporate the device manufacturer's recommendations.								
23. 24.	 23. Except for maintaining labeling as required by 10 CFR Part 20, or 71, the licensee shall obtain authorization from the 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 certificate of registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State. 24. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material." 								
25.	Except as a accordance any enclose the statemet	specifically provided otherwise in the with the statements, representation ures, listed below. The U.S. Nuclearnts, representations, and procedure than the regulations.	is license, ons, and pro ar Regulate	the licensee shall con ocedures contained in ory Commission's regu	the docu lations sl	mer hall g	nts, ii gove	ncluo ern u	nless
	A. Applica	ation dated October 8, 2015 (ML15	307A718)	× ×					
			FOR THE	U.S. NUCLEAR REG	GULATOF	RY C	OMI	MIS	SION
Dat	e <u>January 8</u>	<u>, 2016</u>	Nucle Regio	to J. Torres, M.S., Se ar Materials Safety Br	anch B	th P	hysio	cist	