NRC FORM 374	U.S. NUCLEAR REGULA	TORY COMMISSION	PAGE <u>1</u> OF Amendme	<u>5</u> PAGES ent No. 01
Pursuant to the Atomic Energy Act of 1954 of Federal Regulations, Chapter I, Parts 3 heretofore made by the licensee, a license source, and special nuclear material desig deliver or transfer such material to persor license shall be deemed to contain the con to all applicable rules, regulations, and or specified below.	0, 31, 32, 33, 34, 35, 36, is hereby issued authoriz nated below; to use such a authorized to receive i iditions specified in Sectio	Reorganization Act of 1 , 39, 40, and 70, and in ing the licensee to receiv material for the purpose t in accordance with the n 183 of the Atomic Ene	reliance on statements and re, acquire, possess, and tra (s) and at the place(s) desi regulations of the applicat rgy Act of 1954, as amende	d representations ansfer byproduct, ignated below; to ole Part(s). This ed, and is subject
Licensee			application dated 3, and E-mails dated and February 3, 2014	
1. Praxair Services, Inc.		3. License number in its entirety to rea	42-35061-01 is amend d as follows:	ed
2. 1585 Sawdust Road, Suite 300	-	4. Expiration date J	uly 31, 2023	
The Woodlands, Texas 77380	CLEAR	5. Docket No. 030-3 Reference No.	38639	
6. Byproduct, source, and/or special nuclear material	Chemical and/or physi	cal form 8,	Maximum amount that lic possess at any one time license	
A. Cesium-137	A. Sealed source MeasureTech	s (Thermo Model 57157C)	A. 200 millicuries pe and 400 millicurie	
B. Cesium-137		s (Eckert & Products Model	 B. 30 millicuries per 30 millicuries tota 	
9. Authorized use:	and the	and a second	SIL	
 A. To be used in fluid densit Scientific Model 5190 fixe by the U.S. Nuclear Regi which have been distribut authorizing distribution to license to receive, posse 	ed gauging devices in ulatory Commission u ted in accordance wit persons specifically	accordance with the nder 10 CFR 32.210 h a Commission or A authorized by a Com	e certificate of registrati or with an Agreement Agreement State specif	on issued State and ic license
B. To be used in fluid densit Model FQG61 Series fixe the U.S. Nuclear Regulat which have been distribu authorizing distribution to license to receive, posse	ed gauging device in a tory Commission under ted in accordance wit persons specifically	accordance with the er 10 CFR 32.210 or h a Commission or A authorized by a Com	certificate of registratio with an Agreement Sta Agreement State specif	n issued by ate and îc license
	COND	ITIONS		<u> </u>
10. Licensed material may be sto	red or used only at th	e licensee's facilities	located at:	
A. 483 Turret Drive, Rock S	Springs, Wyoming, an	d		

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	B. 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.					
	If the jurisdiction status of a Federal facility within an Agreement state is unknown, the licensee should 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. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in application dated April 16, 2013. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.					
12.	12. A. The Radiation Safety Officer (RSO) for this license is Eric B. Hansen, and in his absence Michael Dalton.					
	В.	Before assuming the duties and responsibilities as R successfully completed one of the training courses d NUREG-1556, Volume 4, dated October 1998.				
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.				
	B.	Notwithstanding Paragraph A of this condition, seale particles shall be tested for leakage and/or contamin				
	C.	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, pri- another person shall not be put into use until tested a	ued by the U.S. Nuclear Regulatory Commission or to the transfer, a sealed source received from			
	D.	Sealed sources need not be tested if they contain or gas; or the half-life of the isotope is 30 days or less; beta and/or gamma emitting material or not more that	or they contain not more than 100 microcuries of			
	E.	Sealed sources need not be tested if they are in stor they are removed from storage for use or transferred within the required leak test interval, they shall be test shall be stored for a period of more than 10 years wi contamination.	d to another person, and have not been tested sted before use or transfer. No sealed source			

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	F.	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 wit known with the appropriate U.S. Nuclear Regulatory Boulevard, Arlington, Texas 76011-4511, ATTN: Dir report shall specify the source involved, the test resu Tests for leakage and/or contamination, limited to lead persons specifically licensed by the U.S. Nuclear Re- perform such services. The licensee is not authorized samples must be performed by persons specifically I State to perform such services.	veals the presence of 0.005 r n, a report shall be filed with t 30.50(c)(2), and the source sl red, or disposed of in accorda thin 5 days of the date the lea Commission, Region IV, 1600 ector, Division of Nuclear Mat Its, and corrective action take ak test sample collection shall gulatory Commission or an Ag ed to perform the analysis. Ar	hicro he U nall k nce k tes) Eas erial n. be p grees alys	be reported by the second seco	es Nucle move sult is mar fety. Stat leak	ear ed The I by re to test
	H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.				ars.		
14.	 Sealed sources containing licensed material shall not be opened or sources removed from source holders 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 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.						
16.	A.	Each gauge shall be tested for the proper operation any, at intervals not to exceed 6 months or at such lo registration issued by the U.S. Nuclear Regulatory C equivalent regulations of an Agreement State.	onger intervals as specified in	the	certif	icate	of
	B.	Notwithstanding the periodic on-off mechanism (shut apply to gauges that are stored, not being used, and position. The gauges exempted from this periodic te	have the shutter lock mechan				
17.	relo non sea shie	following services shall not be performed by the licer cation, removal from service, dismantling, alignment, -routine maintenance or repair of components related led source, the source holder, source drive mechanise elding). These services shall be performed only by per- julatory Commission or an Agreement State to perform	replacement, disposal of the to the radiological safety of the m, on-off mechanism (shutter rsons specifically licensed by	seale ne ga , shi	ed so auge utter	urce (i.e., conti	, the rol,

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18.		licensee may initially mount a gauge if permitted by Nuclear Regulatory Commission or an Agreement S		
	A. the gauge must be mounted in accordance with written instructions provided by the manufacturer;			
	 B. the gauge must be mounted in a location compatible with the "Conditions of Normal Use" and "Limitations and/or Other Considerations of Use" in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State; 			
	C.	the on-off mechanism (shutter) must be locked in th otherwise fully shielded;	e off position, if applicable, or the source mus	st be
	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.	9. A. The licensee may maintain, repair, or replace device components that are not related to the radiological safety of the device containing byproduct material and that do not result in the potential for any portion of the body to come into contact with the primary beam or in increased radiation level in accessible areas.			
	B.	The licensee may not maintain, repair, or replace ar source, the source holder, source drive mechanism, shielding, or any other component related to the rad otherwise by specific condition of this license.	, on-off mechanism (shutter), shutter control, o	or
20.	the dete This	r to initial use and after installation, relocation, disma source or removal of the shielding, the licensee shall rmine radiation levels in accessible areas around, al survey shall be performed only by persons authorize ulatory Commission or an Agreement State.	I assure that a radiological survey is performed bove, and below the gauge with the shutter op	ed to pen.
21.	tem	licensee shall operate each device containing licens perature and environmental limits such that the shiel not compromised.		
22.	duri licei	licensee shall assure that the shutter mechanism of ng periods when a portion of an individual's body ma nsee shall review and modify, as appropriate, its "lock ined to incorporate the device manufacturer's recom	ay be subject to the direct radiation beam. The k-out" procedures whenever a new device is	e

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23.	Except for maintaining labeling as required by 10 CFR F authorization from the U.S. Nuclear Regulatory Commis source, device or source-device combination that would in the respective certificate of registration issued either to by an Agreement State.	sion before making any changes in the sealed alter the description or specifications as indicated
24.	The licensee is authorized to transport licensed material 10 CFR Part 71, "Packaging and Transportation of Radi	
25.	Except as specifically provided otherwise in this license, accordance with the statements, representations, and private any enclosures, listed below. The U.S. Nuclear Regulat the statements, representations, and procedures in the li- more restrictive than the regulations.	ocedures contained in the documents, including ory Commission's regulations shall govern unless
	FIND ***	* * NOIS

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date February 3, 2014

/**RA**/ By

Roberto J. Torres, Senior Health Physicist Nuclear Materials Safety Branch B Region IV Arlington, Texas 76011-4511