NRC FORM 374 U.S. NUCLEAR REGU	PAGE 1 OF 3 PAGES LATORY COMMISSION Amendment No. 01								
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 letter dated								
	March 4, 2014								
1. Core Engineering & Consulting, Inc.	3. License number 40-29299-01 is amended in								
	its entirety to read as follows:								
2. P.O. Box 456	4. Expiration date June 30, 2018								
Chamberlain, South Dakota 57325-0456	5. Docket No. 030-37747 Reference No.								
 Byproduct, source, and/or special nuclear material Chemical and/or physical form 	8. Maximum amount that licensee may possess at any one time under this license								
 A. Americium-241 A. Sealed Neutron Sources (AEA Technology/QSA, Inc., Model No. AMNV.997; Isotope Product Laboratories Model Nos. Am1.NO2, 3021 and 3027) B. Sealed Sources (AEA Technology/QSA, Inc., Model No. CDCW556; Isotope Product Laboratories Model No. HEG-137) 									
 9. Authorized Use: A. and B. In Troxler Electronic Laboratories, In for measuring physical properties of 	nc., Model No. 3400 Series portable gauging devices materials.								
CONDITIONS									
10. Licensed material may be used or stored at the lice	ensee's facilities located at:								
A. 115 West Beebe Avenue, Chamberlain, South Dakota, and									
	ates where the U.S. Nuclear Regulatory Commission aterial, including areas of exclusive Federal jurisdiction								
contact the federal agency controlling the job site in is an area of exclusive Federal jurisdiction. Authori	In Agreement State is unknown, the licensee should in question to determine whether the proposed job site ization for use of radioactive materials at job sites in soliction shall be obtained from the appropriate state								

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		MATERIALS LICENSE	License Number 40-29299-01 Docket or Reference Number
		SUPPLEMENTARY SHEET	030-37747
			Amendment No. 01
11.		ensed material shall only be used by, or under the su ividuals who have received the training described in a	
12.	The	e Radiation Safety Officer for this license is Patrick J.	Engels, P.E.
13. /	A.	Sealed sources shall be tested for leakage and/or co intervals specified in the certificate of registration iss Agreement State.	
I	B.	In the absence of a certificate from a transferor indic intervals specified in the certificate of registration iss Agreement State prior to the transfer, a sealed source shall not be put into use until tested.	ued by NRC under 10 CFR 32.210 or by an
(C.	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 wit contamination.	I to another person, and have not been tested sted before use or transfer. No sealed source
I	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, repain Commission regulations. The report shall be filed wit known with the U.S. Nuclear Regulatory Commission Texas 76011-4511, ATTN: Director, Division of Nuclear source involved, the test results, and corrective action	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 E. Lamar Blvd., Arlington, ear Materials Safety. The report shall specify the
I	E.	Tests for leakage and/or contamination shall be performed to collect leak test samples but not perform the analy by persons specifically licensed by the Commission of the com	services. In addition, the licensee is authorized (sis: analysis of leak samples must be performed
I	F.	Records of leak tests results shall be kept in units of	microcuries and shall be maintained for 3 years.
		led sources or source rods containing licensed mater ached from source rods or gauges by the licensee, ex	•
ן ו נ	U.S. unde and	licensee shall conduct a physical inventory every 6 m Nuclear Regulatory Commission, to account for all s er the license. Records of inventories shall be main shall include the radionuclides, quantities, manufactu inventory.	ources and/or devices received and possessed tained for 3 years from the date of each inventory

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MATERIALS LICENSE SUPPLEMENTARY SHEET			License Number 40-29299-01 Docket or Reference Numb 030-37747 Amendment No. 01	299-01 or Reference Number 7747						
16.	. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC 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.	8. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.									
19.	9. 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.									
20.	 The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material." 									
21.	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, 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. Applicat	ion dated April 11, 2008		[ML081710352]						
	FOR THE U.S. NUCLEAR REGULATORY COMMISSION									
Dat	e: <u>April 29, 2</u>	2014	Nu Re	/RA/ ette Roldán-Otero, Pl clear Materials Safety gion IV ington, Texas 76011			hysio	cist		