



COMMONWEALTH of VIRGINIA

Department of Health

PO BOX 2448
RICHMOND, VA 23218

TTY 7-1-1 OR
1-800-828-1120

April 22, 2013

Ghasem Shah-cheraghi PE
Radiation Safety Officer
EnCon Engineering and Testing Inc
316 Dominion Road NE
Vienna VA 22180

Dear Mr. Shah-cheraghi:

Enclosed is Virginia Radioactive Material License 059-589-1. The license authorizes the possession and use of cesium-137 and americium-241 contained in Troxler Model 3400 series portable moisture-density gauges.

Review the license carefully. The licensee is responsible for its content. Operations authorized by the license are subject to routine inspection by the Virginia Department of Health for compliance with 481 'Virginia Radiation Protection Regulation' and the conditions of your license. Inspections may be unannounced.

Licensees are required to conduct their radiation protection programs in accordance with statements, representations, and procedures contained in the license application and supporting documents. **The license must be amended to authorize changes in the facilities, equipment, procedures, authorized users, radiation safety officer, or radioactive material used.**

Enclosed is a copy of the Virginia Notice to Employees. Posting requirements are described on the notice. A copy of Chapter 481 'Virginia Radiation Protection Regulations' may be obtained from <http://www.vdh.virginia.gov/Epidemiology/RadiologicalHealth/>.

Contact me at 804-864-8156 or charles.coleman@vdh.virginia.gov if I may be of assistance.

Sincerely,

A handwritten signature in cursive script that reads 'Charles Coleman'.

Charles Coleman CHP
Radioactive Materials Program
Virginia Department of Health
PO Box 2448 Room 730
Richmond VA 23218



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HEALTH

RADIOACTIVE MATERIALS LICENSE

Under the Code of Virginia Section 32.1-229.3 and 12VAC5-481, Virginia Radiation Protection Regulations, and in reliance on statements and representations made by the licensee, a license is issued authorizing the licensee to receive, acquire, possess and transfer radioactive material designated below; to use the material for the purpose(s) and at the place(s) designated below; and to deliver or transfer the material to persons authorized to receive it in accordance with 12VAC5-481, Virginia Radiation Protection Regulations. This license is subject to all applicable rules and orders of the Virginia Department of Health now or hereafter in effect, and to any conditions specified below.

Licensee Name and Address		3. License No: 059-589-1	
1. EnCon Engineering and Testing, Inc.		4. Amendment No.:	
2. 316 Dominion Road NE Vienna, VA 22180		5. Expiration Date: April 30, 2018	
6. Radioactive material	7. Chemical and/or physical form	8. Maximum amount of radioactive materials that the licensee may possess at any one time under this license:	9. Authorized Use:
A. Cesium-137	A. Sealed source	A. No single source to exceed the maximum amount listed on the Sealed Source and Device Registry (SSD); total not to exceed 36 millicuries.	A and B: For use in Troxler Electronic Laboratories Model 3400 Series portable gauging devices for measuring physical properties of material.
B. Americium-241	B. Sealed source	B. No single source to exceed the maximum amount listed on the Sealed Source and Device Registry (SSD); total not to exceed 176 millicuries.	

CONDITIONS

10. Licensed material shall be used and stored at the licensee's facilities located at 316 Dominion Road NE, Vienna, Virginia and may be used at temporary job sites of the licensee anywhere in Virginia where VDH maintains jurisdiction for regulating the use of licensed material.
11. The Radiation Safety Officer for this license is Ghasem Shah-cheraghi, P.E.

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License Number: 059-589-1

Amendment No:

12. Licensed material shall only 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 11, 2013, have been instructed in licensee's operating and emergency procedures, and have been approved in writing by the Radiation Safety Officer.
13. The licensee is authorized to transport licensed material in accordance with the provisions of Chapter 481, Part XIII, 'Transportation of Radioactive Material.'
14. Sealed sources containing licensed material shall not be opened or removed from their source holders by the licensee.
15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the agency, 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. The licensee shall maintain a utilization log where the portable gauge(s) are stored. The log shall contain the date(s) of use, temporary job site(s), serial number of the gauge, and the name(s) of the authorized user(s). Records of the utilization log shall be maintained for 5 years.
17. Any cleaning, maintenance, or repair of a gauge that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by VDH, the NRC or another Agreement State to perform such services.
18.
 - 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 agency and submit the report required by 12VAC5-481-1110. The licensee shall not abandon the sealed source or probe without obtaining the agency's prior written consent.
19. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 12VAC5-481-450 C for establishing decommissioning financial assurance.
20. Per 12VAC5-481-740, no sealed source shall be stored for a period of more than 5 years without being tested for leakage or contamination.

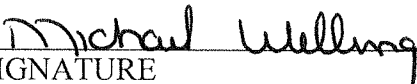
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Amendment No:

21. Except for maintaining labeling as required by 12VAC5-481, Part IV or XIII, the licensee shall obtain authorization from the agency before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications in the respective Certificates of Registration issued either by the NRC or by an agreement state.
22. 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. Chapter 481 'Virginia Radiation Protection Regulations' shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the rule.
- A. Application dated April 11, 2013.

FOR THE VIRGINIA DEPARTMENT OF HEALTH



SIGNATURE
DIRECTOR, RADIOACTIVE MATERIALS PROGRAM

4/17/13

DATE