

MATERIALS LICENSE

Amendment No. 14

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, 39, 40, and 70, 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.

DL-062195-04

Licensee		In accordance with letter dated May 8, 1995	
1. Commonwealth of Virginia Department of Emergency Services		3 License Number	45-12314-02
		is amended in its entirety to read as follows:	
2. 310 Turner Road Richmond, Virginia 23225-6491		4. Expiration Date	September 30, 1998
		5. Docket or Reference No.	030-07447

6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Cesium 137	A. Sealed source (ORNL Models 2339A or DSK-2384)	A. Not to exceed 143 curies per source
B. Cesium 137	B. Sealed source (Nuclear Chicago Model OCD-S-104)	B. Not to exceed 16 millicuries per source
C. Cesium 137	C. Sealed source registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	C. Not to exceed 200 millicuries per source

9. Authorized Use:
- A. For use in Federal Emergency Management Agency CDV-794 Model 2 calibrator (self-contained) for calibration of high range Ion Chamber Civil Defense instruments.
  - B. For use in Federal Emergency Management Agency CDV 790 Model 1 calibrator for calibration of low range Geiger-Muller Civil Defense instruments.
  - C. For use in J.L. Shepherd & Associates' Model 28 SA Calibrator for calibration of non-civil defense type portable survey instruments.

CONDITIONS

- 10. Licensed materials shall be used only at the Maintenance and Calibration Facility, DBSC, Warehouse 30, L Bay, Richmond, Virginia
- 11. The Radiation Safety Officer for this license is Douglas P. Anderson

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

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(cont.)

## CONDITIONS

12. Licensed materials shall be used by, or under the supervision of, Douglas P. Anderson.
13. Sealed sources containing licensed material shall not be opened or removed from calibrator devices by the licensee.
14. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40 "Licensing of Source Material", the licensee is authorized to possess, use, transfer, and import uranium contained as shielding material in the devices authorized by this license.
15. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region II, ATTN: Chief, Nuclear Materials Inspection Section, 101 Marietta Street, Suite 2900, Atlanta, GA 30323. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to Perform such services.
16. The procedures contained in J.L. Shepherd & Associates' instruction manual for the Model 2S-5 Calibrator device shall be followed and a copy of this manual shall be made available to each person using or having responsibility for the use of the device.
17. The licensee shall not perform repairs or alterations of the instrument calibrators involving removal of shielding or access to the licensed material. Removal, replacement, and disposal of sealed sources in the calibrators shall be performed by a person specifically licensed by the Commission or an Agreement State to perform such services.
18. 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 instrument calibrators with the shutter open. This survey shall be performed by the licensee or by persons authorized to perform such services by the Commission or an Agreement State.

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19. 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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The 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 with letter dated August 2, 1993
  - B. Application with letter dated October 12, 1994
  - C. FAX transmission dated November 29, 1994 [providing additional information requested in NRC FAX dated November 29, 1994]
  - D. Letters dated May 8, 1995 and June 21, 1995 [change RSO]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date JUN 21 1995

By Earl G. Wright  
 Region II, Nuclear Materials Licensing Section  
 101 Marietta Street, Suite 2000  
 Atlanta, GA 30323

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