

MATERIALS LICENSE

Amendment No. 5

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.

<p style="text-align: center;">Licensee</p> <p>1. Clearon Corp.</p> <p>2. 95 MacCorkle Avenue, S.W. South Charleston, West Virginia 25303-1411</p>	<p style="text-align: center;">In accordance with letter dated September 30, 1996</p> <p>3. License Number 47-24837-01</p> <p style="text-align: center;">is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration Date February 28, 2007</p> <hr/> <p>5. Docket or Reference No. 030-29170</p>
--	---

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. Any sealed source registered pursuant to 10 CFR 32.210 and contained in a compatible device specified in Item 9 of this license.	A. Not to exceed 9.25 gigabecquerels (250 millicuries) per source.

9. **Authorized Use:**

A. **Sealed source(s) contained in Ohmart or Kay-Ray non-portable gauging devices which have been registered pursuant 10 CFR 32.210 and distributed in accordance with an NRC or Agreement State License for the purpose of measuring properties of materials and/or controlling industrial processes.**

CONDITIONS

- 10. **Licensed material shall be used only at the licensee's plant located on "G" Street, near the Kanawha River in South Charleston, West Virginia.**
- 11. **The Radiation Safety Officer for this license is Roger D. Drodgy.**
- 12. **Licensed material shall be used by, or under the supervision of, Roger D. Drodgy.**

120088



0/1
ML20

9703120364 970213
PDR ADOCK 03029170
C PDR

NMSS/RGNI MATERIALS-001

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

47-24837-01

Docket or Reference Number

030-29170

Amendment No. 5

CONDITONS

Continued -

13. 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. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if they contain only a radioactive gas; or not more than 100 microcuries of beta and/or gamma emitting material or are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. 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 in accordance with 10 CFR 30.50(b)(2), 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, Materials Licensing/Inspection Branch, Division of Nuclear Materials Safety, 101 Marietta Street N.W., Suite 2900, Atlanta, Georgia 30323-0199. The report shall specify the source involved, the test results, and corrective action taken.
- E. The licensee is authorized to collect leak test samples for analysis by Kay-Ray and/or Ohmart. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by Ohmart or Kay-Ray or by persons specifically licensed by the Commission or an Agreement State to perform such services. Maintenance and repair of devices and installation, replacement, and disposal of sealed sources shall be performed by Roger D. Drodty, or by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
16. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than six-month intervals or at such longer intervals as specified by the manufacturer and approved by NRC.
17. The licensee shall operate each gauge within the manufacturer's specified temperature and/or environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.
18. The licensee shall assure that the shutter mechanism 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 gauge is obtained to incorporate the device manufacturer's recommendations.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 47-24837-01

Docket or Reference Number ~~880~~-29170

Amendment No. 5

CONDITIONS

Continued -

- 19. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under this license. Records of inventories shall be maintained for 2 years from the date of each inventory.
- 20. The licensee shall maintain records of information important to safe and effective decommissioning at the location specified in Item 10 in accordance with the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- 21. 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 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 22. 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 Roger D. Droddy, or by persons authorized to perform such services by the Commission or an Agreement State.

- 23. 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 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 dated March 26, 1991

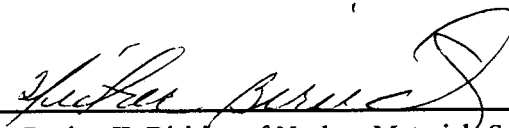
B. Letters dated:

- (1) February 13, 1992
- (2) February 14, 1992
- (3) March 15, 1996 [Olin letter notification of sale]
- (4) March 19, 1996 [Clearon amendment request for name change]
- (5) March 25, 1996 [RSO change, mount, dismount, survey gauges]
- (6) September 30, 1996 [Renewal request]
- (7) November 15, 1996 [Additional information regarding the renewal]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

HECTOR BERMUDEZ

DATE FEB 13 1997

BY 

Region II, Division of Nuclear Materials Safety
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323-0199

N:\MLICENSE\47-24837.A05

