

**CCRG**

Clendenin Consulting & Remediation Group

August 21, 2008

Br. 3

Ms. Jenny Johansson  
US Nuclear Regulatory Commission (NRC)  
Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

Subject: Addition of Second Storage Location  
License #45-25348-02 – Docket #030-34863 – Addition of second storage location

Dear Ms. Johansson:

We spoke on the phone with you on August 21, 2008 regarding the procedure for adding a second storage location to our current license agreement. We are submitting this letter, and a diagram as requested of the second nuke storage location. We are planning to continue using the same storage location that we have been previously using for the past 11 years. The facility is located at 222 S. King Street, Unit #7, Leesburg, Virginia 20175. The second storage location to be used as back up or for any unforeseen situations that might arise is located in our main office at 116 – I Edwards Ferry Rd., Leesburg, Virginia 20176. Both facilities meet and exceed the minimum two-barrier system required to prevent unauthorized personal from gaining possession of portable density gauges. Gauges are being stored away from occupied areas and secured against unauthorized removal. By storing the gauges and securing them properly we control the public dose, and prevent unauthorized access and use. This is the only change that we are requesting to our current license. Please provide us with your written approval for the addition of the second storage location.

Please call us at (703) 771-8816 if you have any questions or need any further information.



Sincerely,

**CLENDENIN CONSULTING AND REMEDIATION GROUP**

Royce Brodie  
Construction Services Manager

Attachments: Second Storage Location Plan  
Copy of Current Materials License

2008 AUG 25 PM 1:56  
RECEIVED  
REGION I

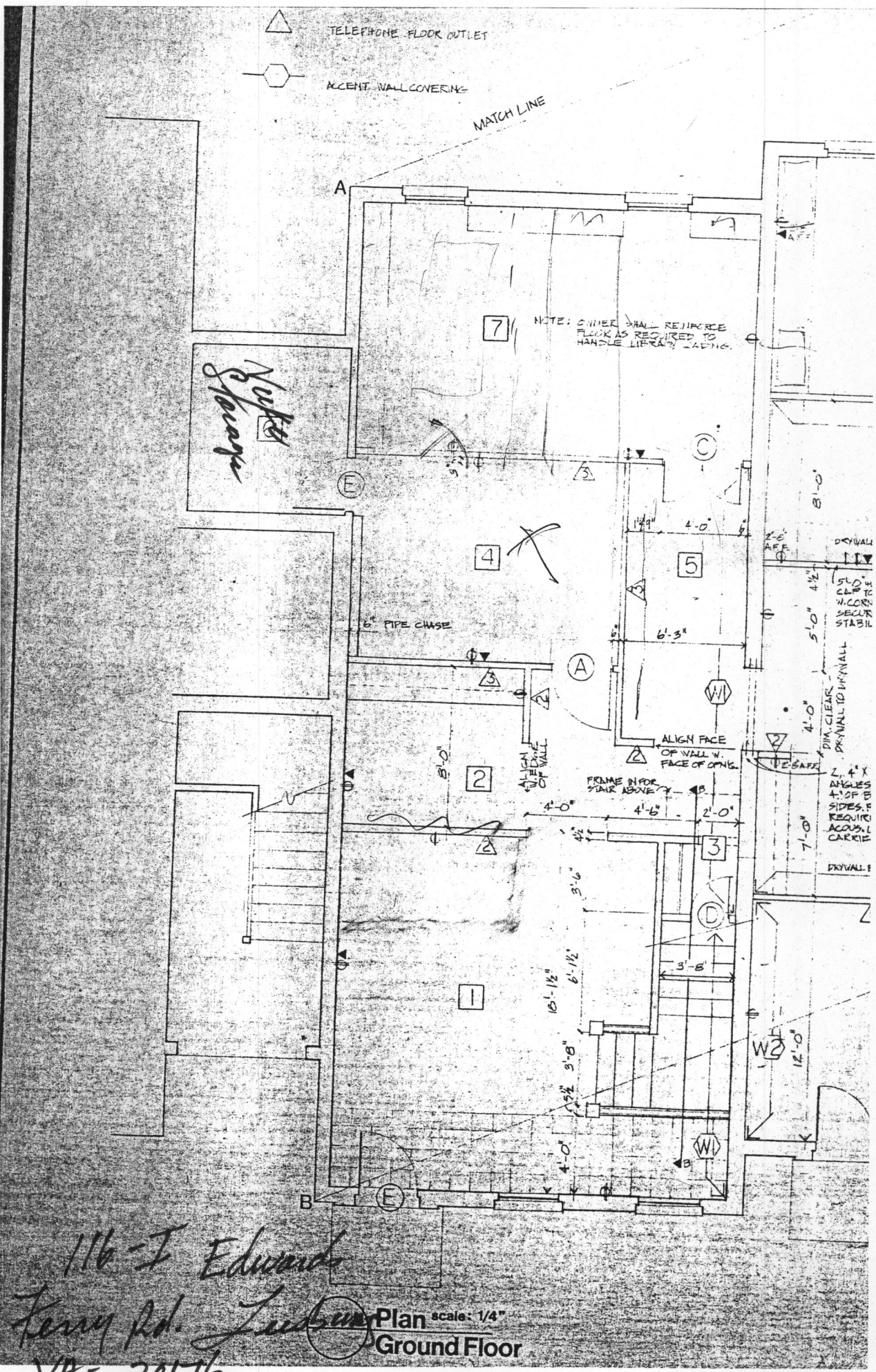
 TELEPHONE FLOOR OUTLET  
 ACCENT WALLCOVERING  
 MATCH LINE

*North Storage*

NOTE: OWNER SHALL REINFORCE FLOOR AS REQUIRED TO HANDLE LIBRARY LADING.

116-I Edwards  
 Ferry Rd. *Lebanon*  
 VA-20116

Plan scale: 1/4"  
 Ground Floor



**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, 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. Clendenin Environmental &amp; Geotechnic Consultants, Inc.</p> <p>2. 116-I Edwards Ferry Road Leesburg, Virginia 20176</p>	<p>3. License No. 45-25348-02</p> <hr/> <p>4. Expiration date: November 30, 2008</p> <hr/> <p>5. Docket No. 030-34863</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium-137</p> <p>B. Americium-241</p> <p>C. Californium-252</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources incorporated in a compatible gauging device as specified in Item 9 of this license (Troxler A-102112)</p> <p>B. Sealed neutron sources incorporated in a compatible gauging device as specified in Item 9 of this license (Troxler A-100608, A-102451, A-100337)</p> <p>C. Sealed neutron sources registered and incorporated in a compatible gauging device as specified in Item 9 of this license (Troxler A-105779)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No one source to exceed 333 megabecquerels (MBq) (9 millicuries)</p> <p>B. No one source to exceed 11.1 gigabecquerels (300 millicuries)</p> <p>C. No one source to exceed 2.22 megabecquerels (60 microcuries)</p>
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9. Authorized use

A., B., and C. To be used, for measurement purposes, in Model 3430 portable Troxler Electronic Laboratories, Inc. gauging devices that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License No.  
45-25348-02Docket or Reference No.  
030-34863

## CONDITIONS

10. Licensed material may be used and stored at the licensee's facilities located at 222 South King Street, Unit 7, Leesburg, Virginia 20175 and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have successfully completed the manufacturer's training program for gauge users, have received copies of, and training in, the licensee's operating and emergency procedures, and have been designated by the Radiation Safety Officer.
- B. The Radiation Safety Officer for this license is Bruce E. Clendenin.
12. A. Sealed sources and detector cells 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 or by an Agreement State.
- 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 or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
  - (ii) they contain only a radioactive gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 3.7 MBq (100 microcuries) of beta and/or gamma emitting material or not more than 0.370 MBq (10 microcuries) of alpha emitting material; or
  - (v) they are not designed to emit alpha particles, 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.

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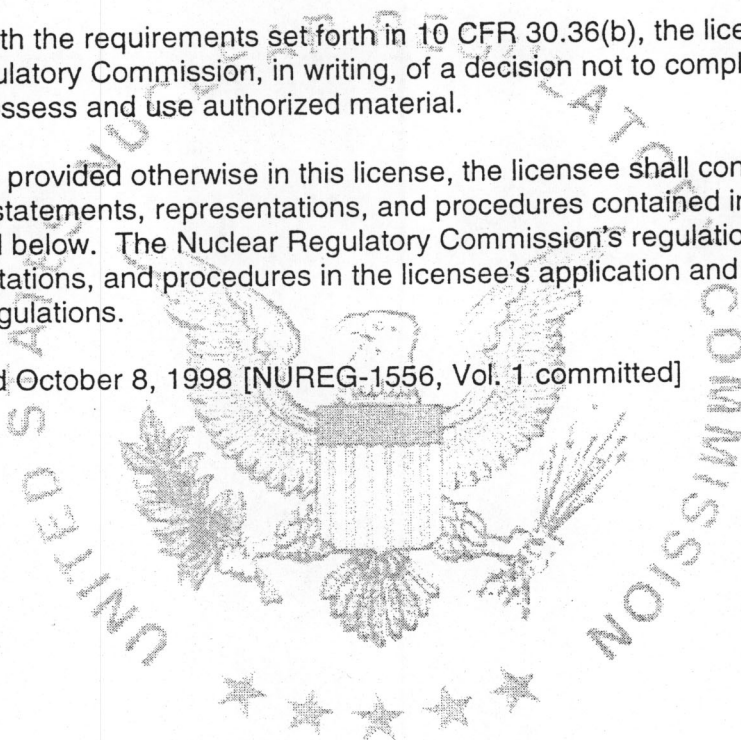
12. D. The leak test shall be capable of detecting the presence of 185 becquerels (Bq) (0.005 microcurie) of radioactive material on the test sample. If the test reveals the presence of 185 Bq or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance 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, ATTN: Director, Division of Nuclear Materials Safety 61 Forsyth Street, SW, Suite 23T85, Atlanta, GA 30303. The report shall specify the source involved, the test results, and corrective action taken.
- E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect samples but not perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
15. Each portable 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.
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. Any cleaning, maintenance, or repair of the gauges that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
18. 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."
19. The licensee shall not use sealed sources or probes containing sealed sources at depths exceeding 3 feet below the surface.
20. 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.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License No.  
45-25348-02

Docket or Reference No.  
030-34863

21. A The licensee may not possess and use materials authorized in Items 6, 7, and 8, until: (1) the licensee has constructed facilities and obtained the equipment described in the application and supporting documentation; and (2) the U.S. Nuclear Regulatory Commission, Region II, ATTN: Chief, Materials Licensing and Inspection Branch, has been notified in writing that activities authorized by the license will be initiated.
- B. In accordance with the requirements set forth in 10 CFR 30.36(b), the licensee shall promptly notify the Nuclear Regulatory Commission, in writing, of a decision not to complete the facility, acquire equipment, or possess and use authorized material.
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. 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 October 8, 1998 [NUREG-1556, Vol. 1 committed]



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DAVID J. COLLINS

*David J. Collins*

By

Region II, Division of Nuclear Materials Safety  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, GA 30303

Date NOV 24 1998

This is to acknowledge the receipt of your letter/application dated

8/21/08, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (45-25348-02) There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 142737.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.