

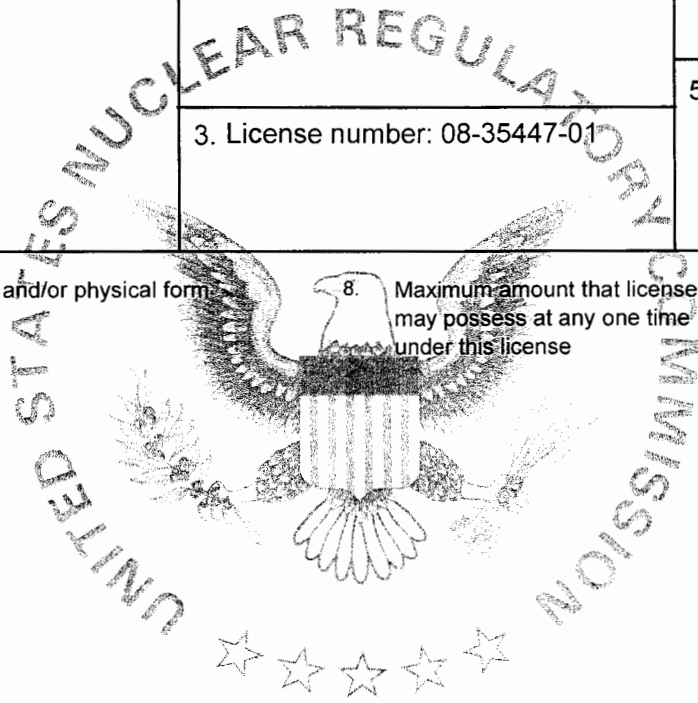
U.S. NUCLEAR REGULATORY COMMISSION

**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.

<p style="text-align: center;">Licensee</p> <p>1. C&amp;C Irradiator Service, LLC</p> <p>2. 1030 Everts Street, NE Washington, DC 20018</p>	<p>3. License number: 08-35447-01</p>	<p>4. Expiration Date: December 31, 2032</p> <p>5. Docket No.: 030-39072 Reference No.:</p>
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<p>6. Byproduct, source, and/or special nuclear material</p>	<p>7. Chemical and/or physical form</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p>	<p>9. Authorized use</p>
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SUPPLEMENTARY SHEET**

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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

9. Authorized use

A. Cobalt-60

A. Sealed Sources

A. No Possession Authorized

A. For use and storage incident to:  
(1) device installation, relocation, dismantling, alignment, replacement, repair, and servicing of authorized irradiator devices as listed in Condition 10;  
(2) routine, non-routine, and preventive maintenance or repair of components related to the radiological safety of authorized devices as listed in Condition 10;  
(3) radiation surveys, and leak test sample collection and analysis, as a service for other persons as defined in 10 CFR 30.4;  
(4) instruction and training of individuals in the use of authorized devices as listed in Condition 10; and  
(5) source installation, exchange, or removal of source from the following devices: J. L. Shepherd Models Mark I, 484, and 89; and Best Theratronics, Isomedix, or MDS Nordion Models Gammacell 40, 1000 and 3000.

B. Cesium-137

B. Sealed Sources

B. No Possession Authorized

B. Same as Condition 9.A.

C. Americium-241

C. Sealed Sources

C. No Possession Authorized

C. Same as Condition 9.A.

D. Americium-241/  
Beryllium

D. Sealed Neutron Source

D. No Possession Authorized

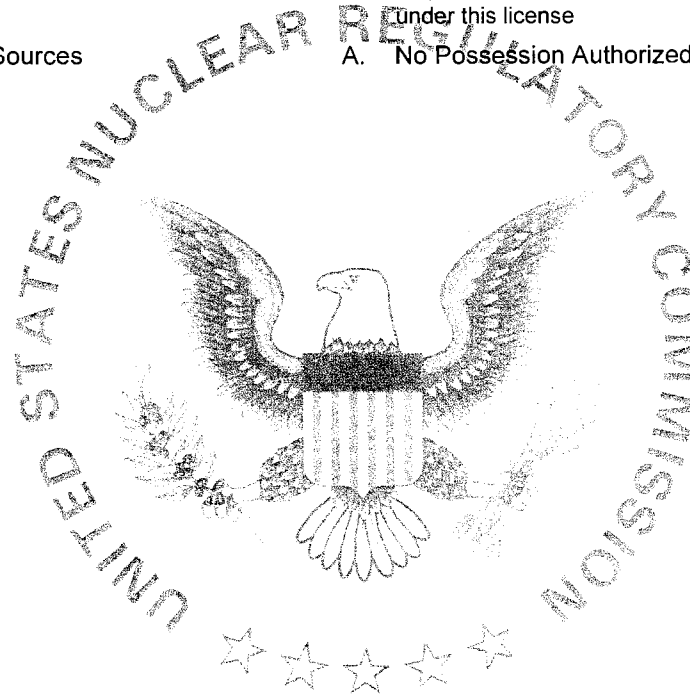
D. Same as Condition 9.A.

E. Californium-252

E. Sealed Sources

E. No Possession Authorized

E. Same as Condition 9.A.



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030-39072**CONDITIONS**

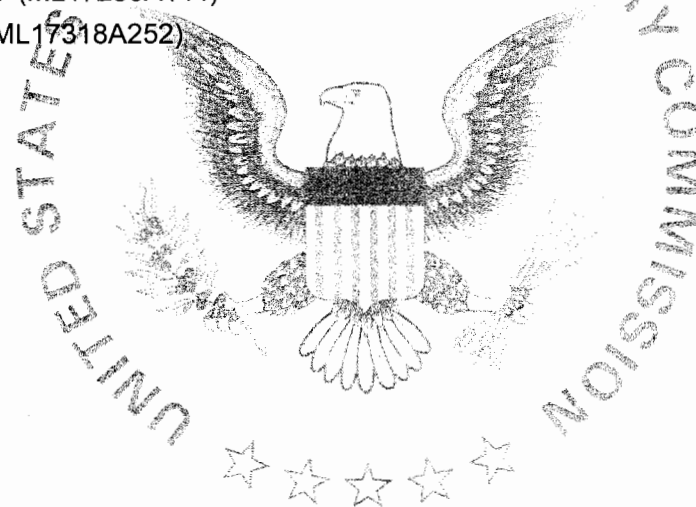
10. The licensee is authorized to service the following devices, as described in accordance with the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State:
- J. L. Shepherd Models Mark I Series; Mark IV Dosimeter Irradiator; 28; 78-2M; 81-8, 81-8EXT, 81-10, 81-12, 81-12EXT, 81-14, 81-16, 81-18, 81-20, 81-22, 81-24, 81-26; 89; 109; 142; 142-MA, 143; 149 Series; 484; and Gammacell 220R;
- Best Theratronics Models Gammacell 40; Gammacell 1000; and Gammacell 3000;
- MDS Nordion Models Gammacell 220; Gammacell 1000; and Gammacell 3000;
- Isomedix Gammator Models M, M34, M38, G50, G100, G150, and G200; Gammacell 1000; and Gammacell 3000;
- Atomic Energy of Canada Models Gammacell 200; and Gammacell 220;
- Thermo Retec or Eberline Model 1000B;
- Pharmalucense or CIS-US Model IBL 437; and
- Custom Device Mark I Model 25 (SN 1032)
11. The licensee does not take possession of the radioactive materials and/or sealed sources while at the customer's facility.

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12. Licensed material may be used or stored only 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, including areas of exclusive Federal jurisdiction within Agreement States. If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.
13. Licensed material shall only be used by, or under the supervision and in the physical presence of, Christopher Nostrand or Chad Gunther.
14. The Radiation Safety Officer (RSO) for this license is Christopher Nostrand.
15. Sealed sources containing licensed material shall not be opened by the licensee.
16. Except for maintaining labeling as required by 10 CFR Part 20, or Part 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission 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 certificate of registration issued either by the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or by an Agreement State.
17. The licensee shall comply with the the Conditions of Normal Use and Limitations and/or Other Considerations of Use in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

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18. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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. Application dated October 1, 2017 (ML17290A144)
  - B. Letter dated November 8, 2017 (ML17318A252)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: December 27, 2017By: *Elizabeth Ullrich*Elizabeth Ullrich  
Region 1