

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.

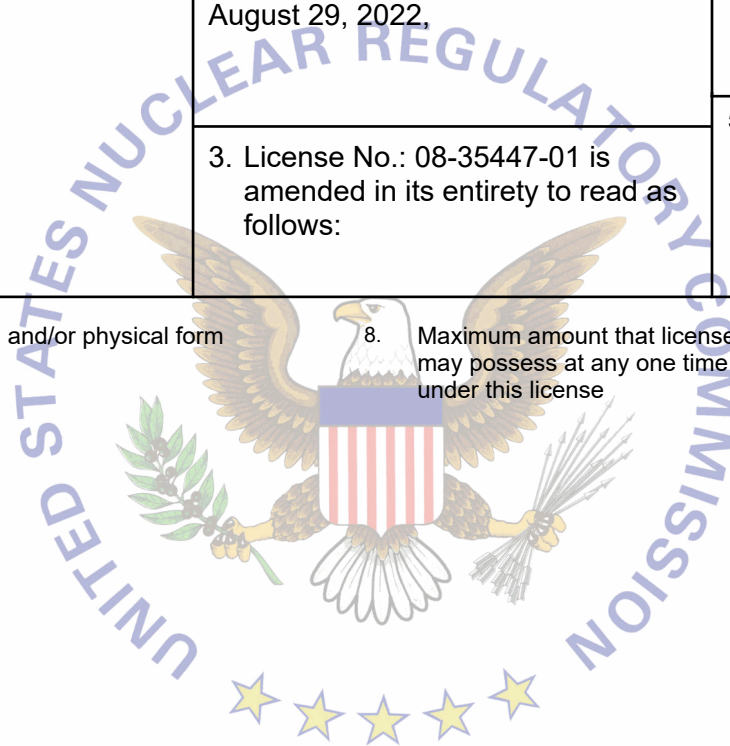
<p>Licensee</p> <p>1. C&C Irradiator Service, LLC</p>	<p>In accordance with letter dated August 29, 2022,</p>	<p>4. Expiration Date: December 31, 2032</p>
<p>2. 1030 Evarts Street, NE Washington, DC 20018</p>	<p>3. License No.: 08-35447-01 is amended in its entirety to read as follows:</p>	<p>5. Docket No.: 030-39072 Reference No.:</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

9. Authorized use



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 08-35447-01

Docket or Reference No.:
030-39072

Amendment No. 4

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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 08-35447-01

Docket or Reference No.:
030-39072

Amendment No. 4

- | | | | |
|---|----------------------------------|--|---------------------------|
| 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 |
| F. Uranium- depleted in Uranium-235 | F. Metal | F. No Possession Authorized | F. Same as Condition 9.A. |



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 08-35447-01

Amendment No. 4

Docket or Reference No.:
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 IV Dosimeter Irradiator, 81-8, 81-8 EXT, 81-10, 81-12, 81-12 EXT, 81-14, 81-16, 81-18, 81-20, 81-22, 81-24, 81-26, 484, Gammacell 40R, Gammacell 220R, 220 Excel;

J.L. Shepherd Mark 1 Series 28 Series, 78 Series, 89 Series, 109 Series, 142 Series, 143 Series, and 149 Series;

Best Theratronics, Nordion, MDS Nordion, Isomedix, Atomic Energy of Canada Ltd. (AECL): Gammacell Models: 10, 40, 200, 220, 1000, 3000;

Best Theratronics, Nordion, MDS Nordion, Isomedix, Atomic Energy of Canada Ltd. (AECL), Radiation Machinery Corp, Radiation International Inc.: Gammator Models: M, M34, M38, G50, G100, G150, G200, 50B, 50 B, B34, G-50-B, B;

Isomedix: Gammator Models M, M34, M38, G50, G100, G150, and G200; Gammacell GC-10, Gammacell 1000 and Gammacell 3000;

Thermo Retec or Eberline: Model 1000B;

CIS-US: Model IBL 437C;

Custom Device Mark I Model 25 (SN 1032); and

Custom Device Mark I Model 30 (SN 668).

11. The licensee may not take possession of the radioactive materials and/or sealed sources while at the customer's facility.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 08-35447-01

Docket or Reference No.:
030-39072

Amendment No. 4

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 should 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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

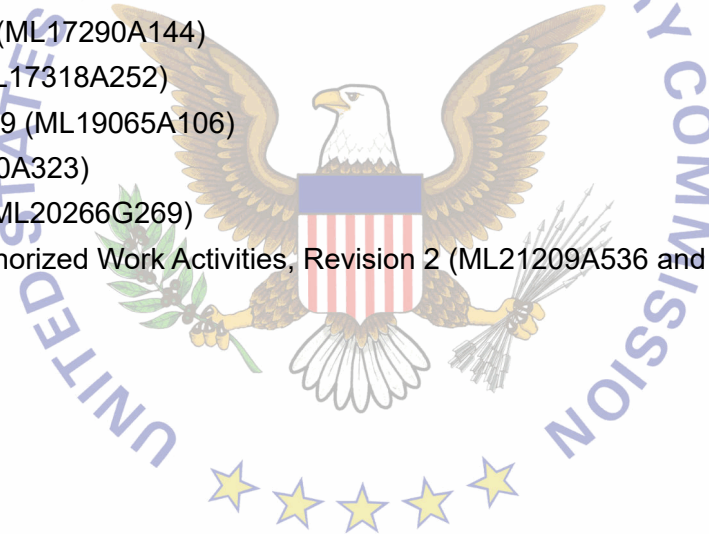
License No.: 08-35447-01

Amendment No. 4

Docket or Reference No.:
030-39072

17. 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)
- C. Application dated February 14, 2019 (ML19065A106)
- D. Letter dated April 2, 2019 (ML19100A323)
- E. Letter dated September 11, 2020 (ML20266G269)
- F. Letter dated July 21, 2021 with Authorized Work Activities, Revision 2 (ML21209A536 and ML21209A555)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: September 14, 2022By: _____
Elizabeth Ullrich
Region 1