



Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Amendment Request for License 08-35447-01

C&C Irradiator Service, LLC is requesting an amendment to license 08-35447-01. This amendment will include the following:

- A revision to the procedure CCIS AWA, our authorized work activities procedure. This revision will add the device in the details below, which is located at the University of Wisconsin Madison:

J.L. Shepherd Mark 1 Model 30 SN 668

The CCIS AWA procedure will also include the excerpt:

“Mk 1-30 SN 668 with Ao of 2,200 curies of Cs-137 located at University of Wisconsin Madison.”

We believe the addition of this device will fall under substantial equivalence to a custom device already listed on our license: “Mk 1-25 SN 1032 with Ao of 780 curies of Cs-137 located at Uni. of Michigan”. Both devices have been retrofitted with a tower not supplied by the original equipment manufacturer. We request to add this device to our license solely for decommissioning purposes. There will be no source handling, transfer, cutting, or grinding near the source or source assembly.

If you have any questions or need more information regarding this amendment, please do not hesitate to contact me.

Thank you,

A handwritten signature in black ink, appearing to read "Chris Nostrand", is written over a horizontal line.

Christopher Nostrand, CEO/RSO C&C
Irradiator Service LLC
240-604-7959
chris@ccirradiator.com
6/7/2021

Enc. (3)
CCIS – Amendment Letter 6.7.2021
CCIS AWA Revision 2
NRC Form 313

(01-2020)
10 CFR 30, 32,
33, 34, 35, 36,
37, 39, and 40



APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER 08-35447-01
- C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code)

C&C Irradiator Service, LLC
1030 Evarts St. NE
Washington, D.C. 20018

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

No possession - used at temporary job sites of the licensee anywhere in the United State within USNRC jurisdiction.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Christopher Nostrand

BUSINESS TELEPHONE NUMBER
240-604-7959

BUSINESS CELLULAR TELEPHONE NUMBER
240-604-7959

BUSINESS E-MAIL ADDRESS
chris@ccirradiator.com

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions*)

(See 10 CFR 170 and Section 170.31)

*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE CATEGORY	3N	AMOUNT ENCLOSED \$	0.00
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PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

Chad Gunther, COO / QA Director

SIGNATURE

Chad Gunther

DATE

6/7/2021

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

Authorized Work Activities

This procedure is to govern licensed work activities within the scope of the license.

1. Verification of licensed activities will be verified by one or more of the following:
 - a. Sealed Source and Device Registration
 - b. Customer's license, personnel, or licensee documentation
 - c. Manufacturer's brochure
 - d. Manufacturer's web site
 - e. Manufacturer's Technical Manual or user's manual
 - f. Verification from NRC Regulatory Authorities

No work will be performed unless work activities fall within the allowed licensed activities under the scope of the license. Verification will also be performed and documented for areas of exclusive Federal jurisdiction.

The irradiator makes and models on which this license authorizes preventive maintenance and service work and that apply to this procedure are:

Category I

1. J.L. Shepherd Mark 1 Series (Registration Number CA 598-D-104-S)
2. J.L. Shepherd Model 484 (Registration Number CA 598-D-113-S)
3. J.L. Shepherd Model 89 (Registration Number CA 598-D-108-S)
4. J.L. Shepherd Model 143 (Registration Number CA-598-D-103-S)
5. J.L. Shepherd Model 109 (Registration Number CA 598-D-116-S)
6. J.L. Shepherd Model Gammacell 220R (Registration Number CA 598-D-118-S)
7. J.L. Shepherd Model 142-MA (Registration Number CA 598-D-131-S)
8. J.L. Shepherd Model 149 Series (Registration Number CA 598-D-109-S)
9. J.L. Shepherd Model Mark IV Dosimeter Irradiator (Registration Number CA 598-D-105-S)
10. CIS-US Model IBL 437 (Registration Number MA 0219-D-813-S)
11. Gammacell 40 (Registration Number NR-1307-D-101-S or NR-0169-D-132-U)
12. Gammacell 1000 & 3000 (Registration Number NR-1307-D-102-S, NR-0880-D-808-S, NR-0220-D-840-S)
13. Eberline 1000B (Registration Number NR-8105-D-805-S)
14. Gammacell 220 (Registration Number NR 0220-D-831-S or NR-8135-D-804-S)
15. Gammacell 200 (Registration Number NR-8003-D-802-S)

CCIS AWA

16. Gammator Model M, M34, M38, G50, G100, G150, G200, 50B, 50 B, and GC-10 (Registration Numbers NR-0880-D-801-S, NR-0880-D-802-S, or NR-0880-D-806-S) A.K.A B34, G-50-B, and Model B
17. Custom Device Mk 1-25 SN 1032 with Ao of 780 curies of Cs-137 located at Uni. of Michigan
18. Mk 1-30 SN 668 with Ao of 2,200 curies of Cs-137 located at University of Wisconsin Madison.

Category II

19. J.L. Shepherd Model 28 (Registration Number CA 598-D-106-S)
20. J.L. Shepherd Model 81-8, 81-8EXT, 81-10, 81-12, 81-12EXT, 81-14, 81-16, 81-18, 81-20, 81-22, 81-24, 81-26 (Registration Number CA 598-D-115-S)
21. J.L. Shepherd Model 142 (Registration Number CA 598-D-114-S)
22. J.L. Shepherd Model 78-2M (Registration Number CA 598-D-107-S)

The irradiator makes and models on which this license authorizes source loading/unloading and that apply to this procedure are:

Category I

1. J.L. Shepherd Mark 1 Series (Registration Number CA 598-D-104-S)
2. J.L. Shepherd Model 484 (Registration Number CA 598-D-113-S)
3. J.L. Shepherd Model 89 (Registration Number CA 598-D-108-S)
4. Gammacell 40 (Registration Number NR-1307-D-101-S or NR-0169-D-132-U)
5. Gammacell 1000 & 3000 (Registration Number NR-1307-D-102-S or NR-0220-D-840-S)