



Hospital Center at Orange

AFFILIATED WITH CATHEDRAL HEALTHCARE SYSTEM

188 South Essex Avenue
Orange, New Jersey 07051
(973) 266-2000

February 9, 2006

T. Darden, Health Physicist
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

2006 FEB 13 PM 12: 28

RECEIVED
REGION I

**RE: Termination of Materials License #29-03038-02
Hospital Center at Orange**

Dear Mr. Darden:

I represent the Hospital Center at Orange ("HCO") with regard to the above referenced matter. As you may already be aware, HCO is now closed, the real estate holdings that made up HCO's campus have been sold, and its Board of Trustees continue to wind up the organization.

Our records reflect that HCO submitted to your office a request to terminate a material license on certain medical equipment. Related materials are attached for your review. To date, HCO has not received verification from the U.S. Nuclear Regulatory Commission ("NRC"), that confirms or otherwise verifies the termination and/or decommissioning of the medical equipment covered under the license. Kindly provide my office with verification that license was terminated and equipment was decommissioned in accordance with NRC rules and regulations. If the same was previously issued to HCO, please send us a copy.

Very truly yours,

Nicholas E. Caprio
Special Counsel

Encl.

NRC FORM 314
(7-2001)
10 CFR 30.28(a)(1); 40.420(h);
70.38(a)(1); and 72.54(a)(1)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028

EXPIRES: 07/31/2004

CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This schedule is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimates to the Records Management Branch (7-8 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet-mail to hst@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOS-10202, (3150-0028), 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.

LICENSEE NAME AND ADDRESS

Hospital Center at Orange
188 South Essex Avenue
Orange, New Jersey 07051

LICENSE NUMBER

29-03038-02

DOCKET NUMBER

030-00347

LICENSE EXPIRATION DATE

September 30, 2012

A. LICENSE STATUS (Check the appropriate box)

- This license has expired. This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.
2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
- a. Transfer of radioactive materials to the licensee listed below:

- b. Disposal of radioactive materials:

1. Directly by the licensee:

2. By licensed disposal site:

3. By waste contractor:

Neutron Products, Inc.

22301 Mt. Ephraim Rd.

P.O. Box 68

Dickerson, Maryland 20842

Phone: 301-349-5001

Contact: Jerry L. Fogle

Transfer date: July 10, 2003

NRC License Number: SUB-1551

Radioactive Material #: MD-31-025-03

- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

1. A radiation survey was conducted by the licensee. The survey confirms:
- a. the absence of licensed radioactive materials
- b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
2. A copy of the radiation survey results:
- a. is attached; or b. is not attached (Provide explanation); or c. was forwarded to NRC on: _____ Date
3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- a. The results of the latest leak test are attached; and/or b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
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Mail all future correspondence regarding this license to:

C. CERTIFYING OFFICIAL
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE	SIGNATURE	DATE
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WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 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.

For internal use only File, MT, ED, INV/Log Book, BK, RECORDS RM, ORIG: JF
 Project No. 3354 Warranty: Yes No
 Time _____ hours on site _____ hours travel _____ hours pre and post _____
 Service Number: 30-03-013 Control Number: 30-03-025 Shipping Number: 03-014

Service Report

Date Requested June 23, 2003 Date of Service July 10, 2003 *AS*
 Customer Hospital Center @ Orange *AS* Engineer Jerry L. Fogle *AS*
 Address 286 Henry Street Type of Unit ATC C-9 *AS*
Orange, New Jersey 07051 Serial Number 108 *AS ("unit v.v.")*
 Contact Mr. Lauris Beem Telephone Number 973/266-2143
 Authorization: Purchase Order Number 62003NEU Oral Per _____
 Was visit requested by customer: Yes No By Whom _____
 Customer's complaint/work to be carried out: _____

Engineer's report (symptoms, diagnosis, services performed, recommendations, and parts used):

REMOVED COBALT-60 SOURCE, REMOVED UNIT FROM SERVICE;

(AS)

Repairs carried out and unit working satisfactorily *Jerry Fogle* Date 7-10-03
 Customer's Signature *Lauris Beem* Position Admin. Director of radiology
7/10/03 Hospital Center at Orange

<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>
Model Number NPTT-Series	Catalog Number NPI-15-6300W	Serial Number T-1413	<u>2,630</u> Curies as of July 1, 2003

The latest approved revision of P-9 "Procedures for Source Transfer, Maintenance, and Service Associated with Teletherapy is Revision 3 dated January 4, 1999 as modified on 5/14/99, 2/22/00, and 12/18/00.

The following statement applies to sub-contractors and non employees only:
 _____ occupational exposure for 2001 is _____ R per the written report dated _____, Assigning 1.25 R for each missing quarter or part thereof makes the "current allowable dose limit" for 2001 _____ R (5 - _____). Since the "current allowable dose limit" is: // more, // less than 1 R, review by the RSO: // is, // is not required before this work is assigned.

ll [Signature]
RAW

TELETHERAPY UNIT AND SOURCE TRANSFER

This is to certify that a cobalt-60 source described as follows:

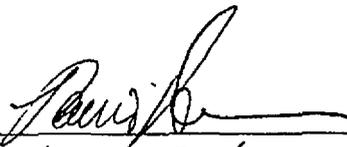
Model Number: NPTT-Series AS
 Catalog Number: NPI-15-6300W AS
 Serial Number: T-1413 AS
 Containing 97 TBq (2,630 curies) as of July 1, 2003 AS

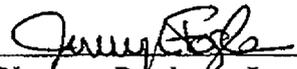
has been determined to be leak free and has been removed from a teletherapy unit described as follows:

Manufacturer: ATC AS
 Model Number: C-9, 590G AS
 Serial Number: ~~108~~ 92013 (HEAD) (AS)
 108(ENTIRE UNIT)

The above unit has been removed and the depleted uranium contained therein, 22.7 kilograms, has been transferred from Hospital Center @ Orange Radioactive Materials License Number 29-03038-02 to Neutron Products, Inc.'s Nuclear Regulatory Commission License Number SUB-1551.

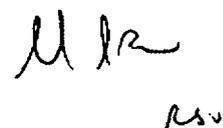
The cobalt-60 source removed from the above unit has been transferred from Hospital Center @ Orange Radioactive Materials License Number 29-03038-02 to Neutron Products, Inc.'s Radioactive Materials License MD-31-025-03.


 Hospital Center at Orange


 Neutron Products, Inc.

Date July 10, 2003

Date JULY 10, 2003



CUSTOMER COPY



The Metcalf Institute
License No. 29-03038-02
(973) 266-2085
July 28, 2003

T. Darden, Health Physicist
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406
Fax #610-337-5393

Re: Amendment to materials license

Ms. Darden,

This letter is to inform you that The Hospital Center at Orange is no longer in possession of any Cobalt-60 radiotherapy sources. We are requesting an amendment to our license, #29-03038-02, that will remove this source.

The removal, packaging and transfer of the Cobalt-60 source was arranged through and performed by Neutron Products, Inc. Maryland License MD-31-025-03. All documentation related to the removal, transfer and accepted ownership has been included for your review. A completed NRC Form 314 is also attached with the radiation survey as required.

Please contact me if there is any additional information that may be required.

Cordially,

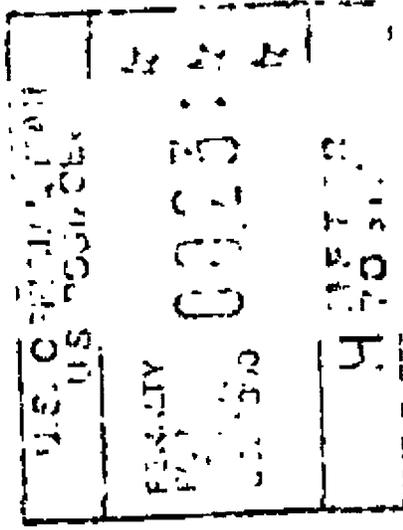
Arnold I. Brenner, D.O.
Radiation Safety Officer

Mark Chastang
Hospital Administrator

CC: J. Barba, M.D.
M. Rich
L. Beam

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA PA 19406-1415

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300



Arnold I. Brenner, D.O.
Radiation Safety Officer
Hospital Center at Orange
188 South Essex Avenue
Orange, NJ 07051



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

7/28/2003, and to inform you that the initial processing which includes an administrative review has been performed.

TERM 29-03038-02 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

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** 133557.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

Sincerely,
Licensing Assistance Team Leader
↓

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.

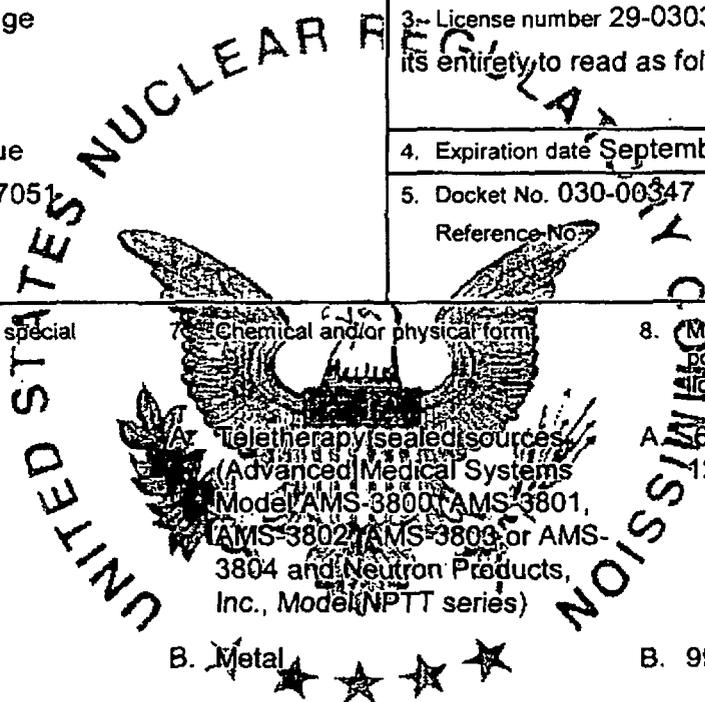
<p>Licensee</p> <p>1. Hospital Center at Orange</p> <p>2. 188 South Essex Avenue Orange, New Jersey 07057</p>	<p>In accordance with the application dated April 11, 2002,</p> <p>3. License number 29-03038-02 is amended in its entirety to read as follows:</p> <p>4. Expiration date September 30, 2012</p> <p>5. Docket No. 030-00347 Reference No.:</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cobalt 60</p> <p>B. Depleted Uranium</p>	<p>7. Chemical and/or physical form</p> <p>A. Teletherapy/sealed sources (Advanced Medical Systems Model AMS-3800, AMS-3801, AMS-3802, AMS-3803 or AMS-3804 and Neutron Products, Inc., Model NPTT series)</p> <p>B. Metal</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 6000 curies per source and 12000 curies total</p> <p>B. 999 kilograms</p>
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<p>9. Authorized use:</p> <p>A. One source for medical use described in 10 CFR 35.600, in an Advanced Medical Systems C/9 teletherapy unit. One source in its shipping container or as necessary for replacement of the source in the teletherapy unit.</p> <p>B. Shielding in a teletherapy unit.</p>
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CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at 188 South Essex Avenue, Orange, New Jersey.
- 11. The Radiation Safety Officer for this license is Arnold Brenner, D.O.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
29-03038-02

Docket or Reference Number
030-00347

Amendment No. 28

15. 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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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. Letter dated March 25, 1997 except Quality Management Program
- B. Letter dated June 13, 1997
- C. Application dated April 11, 2002 except Quality Management Program



For the U.S. Nuclear Regulatory Commission

Date August 27, 2002

By

Original signed by Michelle Beardsley

 Michelle Beardsley
 Nuclear Materials Safety Branch 1
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406

8839182

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
29-03038-02

Docket or Reference Number
030-00347

Amendment No. 28

12. Licensed material is only authorized for use by, or under the supervision of:

A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.

B. The following individuals are authorized users for the materials and uses indicated:

Authorized Users

Material and Use

Jose P. Barba, M.D.

35.600; Depleted Uranium

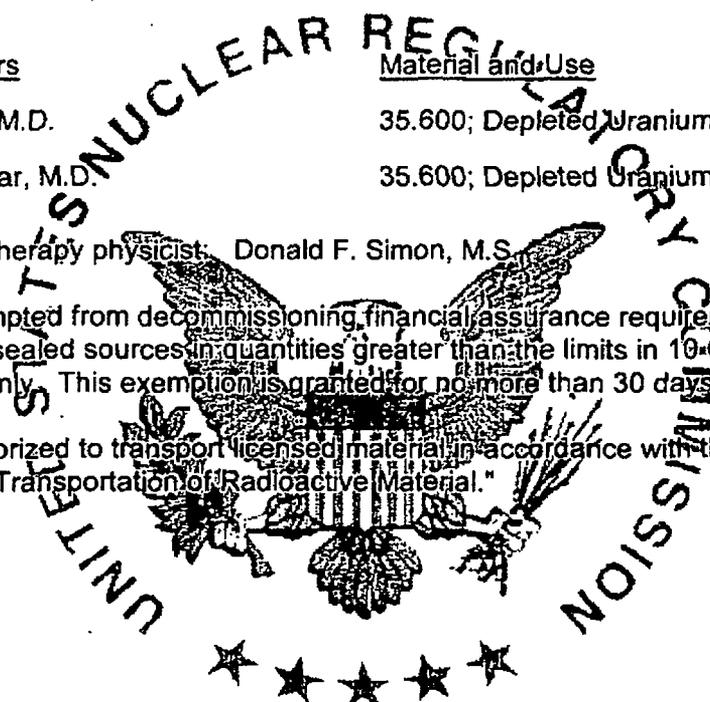
Rekha D. Iyengar, M.D.

35.600; Depleted Uranium

C. Authorized teletherapy physicist: Donald F. Simon, M.S.

13. The licensee is exempted from decommissioning, financial assurance requirements for possession of licensed material in sealed sources in quantities greater than the limits in 10 CFR 30.35(d) for the purpose of source changes only. This exemption is granted for no more than 30 days for any one source change.

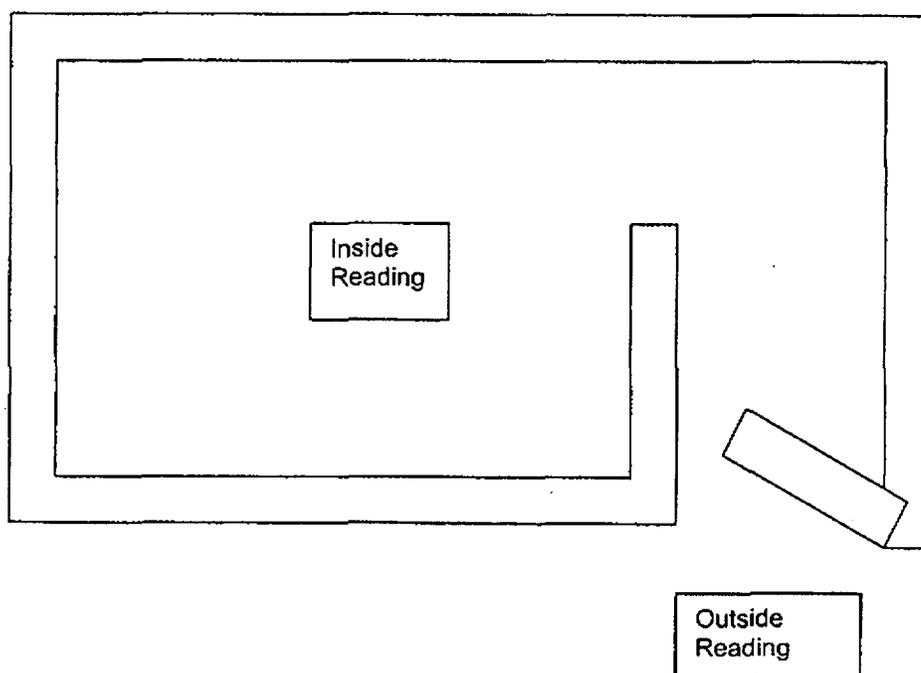
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."



Survey after Co60 Removed

On July 10th, 2003, the Co60 teletherapy unit in the Hospital of New Jersey at Orange was decommissioned and removed. On July 12th, 2003, environmental radiation level survey was conducted and the result is reported as follow.

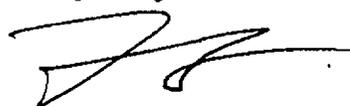
Survey Date: July 12, 2003
Instrument: Victoreen 450P SN 2598 Cal. Date: 5/12/2003

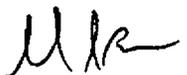


Background reading: <0.01 mR/hr
Co60 room inside reading: <0.01 mR/hr
Co60 room outside reading: <0.01 mR/hr

Conclusion: room inside and outside radiation level are in the background level.
No residual radiation material is left after removal of the Co60 unit.

Surveyed by:


Tanxia Qu, Ph.D., DABR
Medical Physicist

 MR 254

WIPE TEST RESULTS REPORT

On July 6th, 2003, a wipe test was conducted for the Co60 teletherapy unit in the Hospital of New Jersey at Orange. The result is reported as follow.

Wipe area: Co60 Collimator
Acquisition Date: July 6, 2003

Instrument: Biodex Medical System, SN 225795427

Isotope	Total CPM	Bkg CPM	Net CPM	DPM
Co60	46	17	29	155

Conclusion: There is no leakage in the Co60 source and no removable contamination.

Tested by:



Tanxia Qu, Ph.D., DABR
Medical Physicist

< 200 dpm

