

**REGISTRATION CERTIFICATE – USE OF DEPLETED
URANIUM UNDER GENERAL LICENSE**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS
INFORMATION COLLECTION REQUEST: 1.0 HRS. FORWARD
COMMENTS REGARDING BURDEN ESTIMATE TO THE INFOR-
MATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714),
U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC
20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-
0031), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON,
DC 20503.

Section 40.25 of 10 CFR Part 40 establishes a general license authorizing the use of depleted uranium contained in industrial products or devices for mass-volume applications. This NRC Form 244 shall be submitted within 30 days after the first receipt or acquisition of such depleted uranium.

1. INSTRUCTIONS:

Print or type the name and address (*include ZIP Code*) of the registrant for whom this form is filed in the box below.

Submit this form in duplicate to:

Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555,

with a copy to the appropriate Regional Administrator at the address listed on the reverse.

(NRC will assign a file number, and a copy of this form will be returned to you.)

2. I hereby file NRC Form 244 pursuant to 10 CFR 40.25, for use of depleted uranium contained in industrial products or devices for mass-volume applications.

**3. NAME AND ADDRESS OF REGISTRANT FOR WHOM THIS FORM IS
FILED (*Include ZIP Code*)**

Pocono Cancer Center
231 E. Brown Street
East Stroudsburg, PA 18301

4. FILE NUMBER (*Leave blank – to be assigned by NRC*)

FILE NUMBER 159

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Kimberly Jones
KIMBERLY JONES

7/20/93
7/20/93

**5. INDIVIDUAL DULY AUTHORIZED TO ACT FOR AND ON BEHALF OF THE REGISTRANT IN SUPERVISING THE PROCEDURES IDENTIFIED IN
10 CFR 40.25(c)(1)(ii)**

NAME
Michael J. Greenberg, M.D.

TITLE
Medical Director

ADDRESS 231 East Brown Street
East Stroudsburg, PA 18301

TELEPHONE NUMBER (*Include Area Code*)
(717) 476-3488

6. CERTIFICATION

I hereby certify that:

- A. All information in this registration certificate is true and complete.
- B. The registrant has developed and will maintain procedures designed to establish physical control over the depleted uranium described in 10 CFR 40.25(a) and designed to prevent transfer of such depleted uranium in any form, including metal scrap, to persons not authorized to receive the depleted uranium.
- C. I understand that Commission regulations require that any changes in information furnished by a registrant on this registration certificate be reported in writing to the Director, Office of Nuclear Material Safety and Safeguards, with a copy to the appropriate Regional Administrator at the address listed on the reverse, within 30 days after the effective date of such change.
- D. I understand that the registrant is required to comply with the provisions of Section 40.25 of the NRC's regulation 10 CFR Part 40 (reprinted on the reverse side of this form) with respect to all depleted uranium which the registrant receives, acquires, uses, or transfers under the general license for which this registration certificate is filed with the Nuclear Regulatory Commission.

PRINTED OR TYPED NAME AND TITLE OF PERSON FILING FORM

Stephen J. Cunningham
Executive Vice President

SIGNATURE

Stephen J. Cunningham
4-26-93

DATE

**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 RESPECTS. 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 JURIS-
DICTION.**



DEPLETED URANIUM COMPONENTS
IN THE CLINAC 4, 4S, 6X, 4/100, 6/100, AND 600C

Clinac 4, 4S and 6X

<u>Part Containing Uranium</u>	<u>No. of Parts</u>	<u>Unit Weight</u> (pounds)	<u>Total Weight</u>
Primary collimator	1	68	68
Upper jaw	2	31	62
Lower jaw	2	53	106
Face plate shield	2	8.5	17
Gun shield	1	18.5	18.5
Gun shield disks	-	-	-
Total Pounds:			271.5

Clinac 4/100, 6/100 and 600C

<u>Part Containing Uranium</u>	<u>No. of Parts</u>	<u>Unit Weight</u> (pounds)	<u>Total Weight</u>
Primary collimator	1	96	96
Upper jaw		Tungsten replacement	
Lower jaw		Tungsten replacement	
Face plate shield	2	8.5	17
Gun shield	-	-	-
Gun shield disks	3	40	120
Total Pounds:			233

Element and Mass Number: U-238
Physical Form: Metal Alloy U-0.75% Titanium
Specific Activity: 3.6×10^{-7} Ci/gm
Purpose of Use: Shielding
Isotope U-235 is less than 0.25 weight percent of total uranium present.

These machines have been manufactured in accordance with Radioactive Material License Number 1025-43 issued to Varian Associates, Inc. by the California Department of Health Services.



Radiation Oncology

Michael J. Greenberg, M.D.
Harmer D. Brereton, M.D.
Joseph T. Spaziani, M.D.
Michael J. Gallagher, M.D.
Robert A. Rostock, M.D.
Andrej J. Zajac, M.D.
Madhava Baikadi, M.D.

Medical Oncology

William F. Ryan, M.D.

April 19, 1993

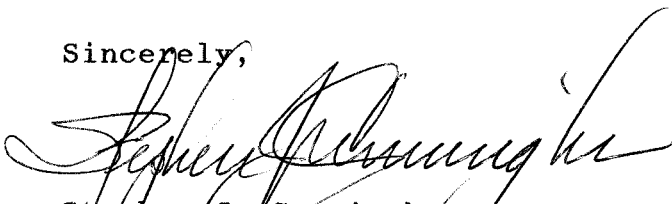
Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Please find enclosed our completed NRC Form 244 Registration Certificate for Use of Depleted Uranium Under general license. This material is utilized for shielding purposes in a Varian Clinac-6/100 linear accelerator. See enclosure for additional details.

This source material was previously licensed under NRC license SUB-1521.

Sincerely,



Stephen J. Cunningham
Executive Vice-President
Pocono Medical Center

Enclosures