

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)

Director

U.S. Army Defense Ammunition Center & School

ATTN: SMCAC-DEM

Savanna, IL 61074-9639

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

FILE NUMBER 171

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Kimberly Jones
KIMBERLY JONES

2/4/94
2/4/94

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

Robert Wayne

TITLE Quality Assurance Specialist Ammo Surv
Radiation Protection Officer

ADDRESS

U.S. Army Defense Ammunition Center & School

ATTN: SMCAC-ASC, Savanna, IL 61074-9639

TELEPHONE NUMBER (Include Area Code)

(815) 273-8819

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

Bruce Ramm

Equipment Specialist/Alternate Radiation
Protection Officer 815-273-8978

SIGNATURE

Bruce S. Ramm

DATE

10 Jan 94

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.



Dear Radiation Safety Officer:

The Varian Linatron 200, 400, and 1000 Industrial Linear Accelerators contain up to 90 pounds of depleted uranium as shown on the attachment. Depleted uranium is a low-level radioactive material which Varian uses to provide shielding in the primary collimators. The receipt, possession, use, and transfer of industrial products which use depleted uranium in a concentrated mass are subject to the conditions of a general license issued by the regulations of the U.S. Nuclear Regulatory Commission (NRC). It is not necessary to amend your radioactive materials license, since the general license only requires registration of this material.

Section 40.25 of Title 10 of the Code of Federal Regulations authorizes you to receive and possess any of these Linatron models provided you observe the conditions stated therein. For your reference, the pertinent regulations appear on the back of page one of the enclosed form. Please read these regulations and observe your obligations as a general license.

In accordance with Paragraph (c)(1), you are required to register these machines within 30 days after first receipt. This can be accomplished by completing the enclosed Registration Certificate and mailing it to the appropriate NRC offices.

If you have any questions about the registration process or the use of depleted uranium in Varian Linatron Industrial Linear Accelerators, please call me at (415) 424-6990.

Sincerely,

Bernie Jurs
Regulatory Affairs Coord.
Varian Medical Equipment

enc.



DEPLETED URANIUM COMPONENTS
CONTAINED IN LINATRONtm 200, 400, AND 1000

Linatrontm 200

<u>DU Component</u>	<u>Pounds</u>
Primary collimator	40

SN#152

Linatrontm 400 and Linatrontm 1000

<u>DU Component</u>	<u>Pounds</u>
Primary collimator	68
Gun shield	<u>19</u>
	87

3/16/89

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
Istope 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.