

Vol. 10
No. 9

CENTRAL SERVICE

Teknote

For Inter-company Distribution

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Date: 6/2/82

HANDLING AND DISPOSING OF DEPLETED URANIUM MATERIAL

Several Mevatron 6 and 12 machines use depleted uranium (for the primary collimator, inner and outer jaws and/or a piece of shielding inside the bending magnet assembly) plated with a cadmium layer.

Certain precautions are in order for the handling and/or disposing of the items.

Radioactivity from the depleted uranium is not the major danger. Depleted uranium's main danger is the possible ingestion of uranium oxide if the protective plating has been damaged.

The service engineers should be aware of this potential danger and use caution when handling and/or disposing the items containing the depleted uranium.

If there are any visible signs of corrosion, or other physical damage, a wipe test must be performed to verify the integrity of the cadmium plating prior to working in or around areas using depleted uranium.

CAUTION

When handling or disposing of depleted uranium or performing the wipe test, gloves and face mask must be used. All fans, ventilators, heating and air conditioning units must be turned off. When work is finished, place the gloves and face mask in a sealed plastic bag for proper disposal, and wash your hands thoroughly after any contact with depleted uranium.

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The following machines contain depleted uranium:

Serial No.

1050	Out of service. July 79
1052	Out of service.
1053	Out of service.
1054	Out of service. June 78
1055	Physician Hospital, Bakersfield, CA
1056	Peter Bent Brigham, Boston, MA
1061	Warehouse
1062	Out of service. JM Sunnyvale, CA
1063	Milwaukee County, Milwaukee, WI
1064	Bloemfontein National Hospital, Bloemfontein, RSA
1066	Century Hospital, Los Angeles, CA
1067	Medical Center of Vermont, Burlington, VT
1068	National Institute of Health #2, Bethesda, MD
1069	Dr. F. Chan, Downey, CA
1071	Radiation Medical Group, San Diego, CA
1072	Out of service.
1074	City of Memphis, Memphis, TN
1076	American Oncology, Philadelphia, PA
1079	Hollywood Presbyterian Medical Center, L.A., CA
1081	Santa Rita, Porto Alegre, RS Brazil, #1
1083	Out of service.

As machines are taken out of service, local regulations dealing with the transfer, handling and possible disposal of radioactive materials must be observed.

Due to legal requirements, we are forced to have an up to date machine file on hand. If a machine should be out of service, moved into a different location or sold to another party, please contact the Therapy Service Department in Iselin at once with the information.

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The following machines contain depleted uranium:

<u>Serial No.</u>	<u>Energy</u>	
1084	6	University of California, San Diego, CA
1096	6	Good Samaritan, Los Angeles, CA
1097	6	Eden Hospital, Castro Valley, CA
1098	6	Arnot Ogden Memorial, Elmira, NY
1099	6	Pomona Valley Community, Pomona, CA
1106	6	Memorial Medical Center, Long Beach, CA
1107	6	Genesee Hospital, Rochester, NY
1108	6	Stamford Hospital, Stamford, CT
1109	6	Onkologiska Klimken, Lund, Sweden
1126	6	University of Virginia, Charlottesville
1127	6	North Side Hospital, Atlanta, GA VA
1128	6	Clinic Dr. Roesler, Recife #3 Brazil
1129	6	St. Benedict, Ogden, UT
1141	6	National Tumor Inst., Milano, Italy
1142	6	Instituto de Urologia, Caracas, Venezuela
1143	6	Clinica Muguerza, Monterrey, Mexico
1144	6	Bishop Clarkson, Omaha, NE
1146	6	Rochester General, Rochester, NY
1161	6	Palo Alto Clinic, Palo Alto, CA
1162	6	University of Kansas, Kansas City, KS
1163	6	Radiation Oncology Group, Anaheim, CA
1164	6	Inst. Ospedalieri, Trento, Italy

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