

DMC
Sinai-Grace
Hospital

6071 W. Outer Drive
Detroit, MI 48235
www.sinaigrace.org

March 17, 2010

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

Re: Written Report following loss of I-125 seeds
License number 21-00299-04, Event # 45682

Attention: Regional Administrator
Materials Licensing Branch

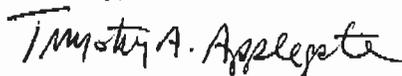
Per your telephone message of March 16, 2010, I am submitting the following additional information:

The event occurred in Cysto Room 2 of the OR department. Access to the area is limited to authorized personnel. The medical staff working in the area are issued monthly radiation dosimeters. Radiation exposure to the staff secondary to this event is estimated to be minimal and will be reevaluated when the dosimeter reports for this time period are received. We do not believe that there was any radiation exposure to persons in unrestricted areas.

Per the radiation oncologist, Andrew Turrisi III MD, and the medical physicist, Daniel Tuharsky MS, no reportable medical event occurred during the implant procedure. The post implant CT scan of the pelvis was performed on March 5, 2010 and the administered dose was calculated using VariSeed 8.0 software application. The planned dose to the prostate was 144 Gy and the calculated D90% administered dose was 128.96 Gy (89.56%).

If you have any questions or need any other additional information, please contact me at (313) 966-4391 or at TApplega@dmc.org.

Sincerely,



Timothy A. Applegate RT (N)
Radiation Safety Officer
DMC/Sinai-Grace Hospital

A better way to get better.

DMC Sinai-Grace Hospital

Diagnostic Imaging/Radiology

6071 W. Outer Drive
Detroit, MI 48235
(313) 966-6812
(313) 966-1272 (Fax)

Fax Cover Sheet

Date: 3/17/2010 Number of Pages: two

To: NRC Region III Regional Administrator (Includes Cover Sheet)

Fax Number: 630 515-1259

From: Tim Applegate 313 966-4391

Message: Follow-up responses to event # 45082
per Jeff Warr's telephone message of 3/16/2010

- CONFIDENTIAL -

The information contained in this report is confidential and is intended only for the individual or facility addressed. Disclosure to any other unauthorized person(s) is strictly prohibited.

If you do not receive specified number of pages, please call the Department of Diagnostic Imaging/Radiology at (313) 966-6812. Thank You!