



Oakwood®

September 16, 2015

U.S. Nuclear Regulatory Commission, Region III  
Attn: Materials Licensing Section  
2443 Warrenville Rd.  
LISLE, IL 60532-4352

RE: **NRC License #21-04515-01**  
Event #: 51352 (Previously reported by telephone on 8/27/2015 under 10 CFR 20.2201 (a) (ii))

It became evident that we are missing an I-125 sealed radioactive seed from a tissue sample in pathology department at our hospital.

Following is a follow up written report in compliance with 10 CFR 20.2201 (b).

- (i) **Licensed Material:**
- |           |  |
|-----------|--|
| Quantity: | 1  |
| Type:     | I-125, solid sealed (encapsulated in Tungsten), 4.5 mm Long and 0.5mm diameter |
| Strength: | 0.3 mCi  |
- (ii) **Description of circumstances:** In reconciling the written directives and the pathology log in preparation for return of I-125 seeds to Radiation Oncology the Pathology Department found the storage vial to contain twenty nine I-125 seeds and one non-radioactive marker/clip. The written directives indicated thirty I-125 seeds. Radiation Oncology was contacted and the count was confirmed. A radiation survey of the pathology lab was performed. The survey revealed no presence of radioactivity. A radiation survey of the stored tissue specimens for these cases revealed no radioactivity. A review of all tissue specimen radiographs confirmed a count of 30 seeds in the specimens, confirming no I-125 seed was left in a patient. A second independent radiation survey of the Pathology Lab was performed using a scintillation detector and revealed no radioactivity in the room.
- (iii) The radioactive seed in question was most likely disposed along with other biohazard.
- (iv) It is our conclusion that no one received any additional exposure due to the loss of radioactive seed.
- (v) At this point we have made every possible effort to find the missing seed.
- (vi) **To ensure that this does not happen again we have changed our procedure as follows:**
1. Any seed recovered from a patient specimen will be placed into its own vial and labeled with patient identifiers.
  2. Each day that I-125 seeds are recovered, an authorized member of the Anatomic Pathology staff will reconcile the seed counts documented on the Written Directive forms for that date with the actual seed counts recovered and stored in their respective vials. The authorized staff member will complete the Daily Brachyseed Reconciliation Log.
  3. At an interval not to exceed two weeks an authorized member of the Anatomic Pathology Department will perform a final seed-to Written Directive reconciliation of the prior two weeks of recovered seeds. The Physicist from Radiation Oncology will verify the reconciled seed count and return the seeds to the Radiation Oncology Department source room.

If you have any questions, please contact Lisa Benedetti, MS at (248)-551-7072 or [lisa.benedetti@beaumont.org](mailto:lisa.benedetti@beaumont.org). We appreciate your prompt attention to this matter.

Sincerely,

Timothy D. Vargas  
Administrator, Ancillary Operations  
Oakwood Hospital - Dearborn  
18101 Oakwood Blvd  
Dearborn, MI 48123

Lisa A. Benedetti, M.S.  
Radiation Oncology Department  
Oakwood Hospital - Dearborn  
18101 Oakwood Blvd.  
Dearborn, MI 48123

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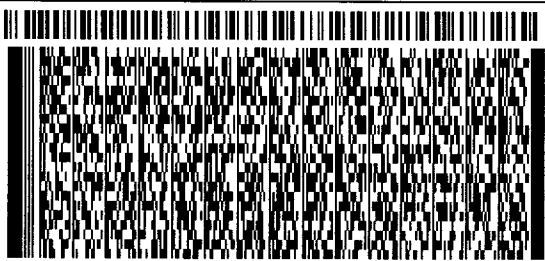
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BILL THIRD PARTY

TO **ATTN: MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION,  
2443 WARRENVILLE ROAD**

539.12/CB99/1D0

**LISLE IL 60532**  
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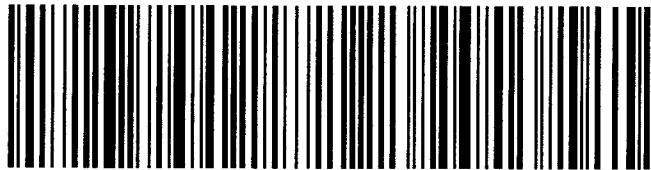
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**THU - 24 SEP AA  
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Oakwood Hospital & Medical Center  
Lindsay Vella  
18101 Oakwood Blvd  
Dearborn, MI 48124  
313-593-7282

**To Address:**  
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