



**Diagnostic Physics Services**

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August 13, 2012

Colleen C. Casey

Materials Licensing Branch

United States Nuclear Regulatory Commission Region III

2443 Warrenville Road, Suite 210

Lisle, IL 60532-4352

RE: License Number: 13-00133-02  
Control Number: 577661

This letter is in response to your letter, dated July 9, 2012, regarding the relocation of an HDR unit at St. John's Hospital in Anderson, Indiana. In this letter it was requested that a final leak test of the HDR unit was submitted. Upon your review and approval we are requesting release this room for unrestricted use.

Attached, please find the final leak test results of the HDR unit as well as photographs of the locations of the leak tests on the actual HDR unit.

If you have any further questions, I may be contacted by any means convenient to you as noted by telephone and/or email: 317.338.2381 or via email at [eewroble@stvincent.org](mailto:eewroble@stvincent.org).

A member of



Core Values

We are called to:

**Service of the Poor**

Generosity of spirit for persons most in need.

**Reverence**

Respect and compassion for the dignity and diversity of life.

**Integrity**

Inspiring trust through personal leadership.

**Wisdom**

Integrating excellence and stewardship.

**Creativity**

Courageous innovation.

**Dedication**

Affirming the hope and joy of our ministry.

Sincerely,

A handwritten signature in black ink, appearing to read "Edward E. Wroblewski".

Edward E. Wroblewski, M.A.  
Diplomate, ABSNM  
Medical Physicist  
Radiation Safety Officer  
Diagnostic Physics Services



Enclosures

cc: USNRC Correspondence File

RECEIVED AUG 24 2012

A member of



St. Vincent HEALTH

~~IN~~ Indexer on HDR unit

SAINT JOHNS HEALTH SYSTEM

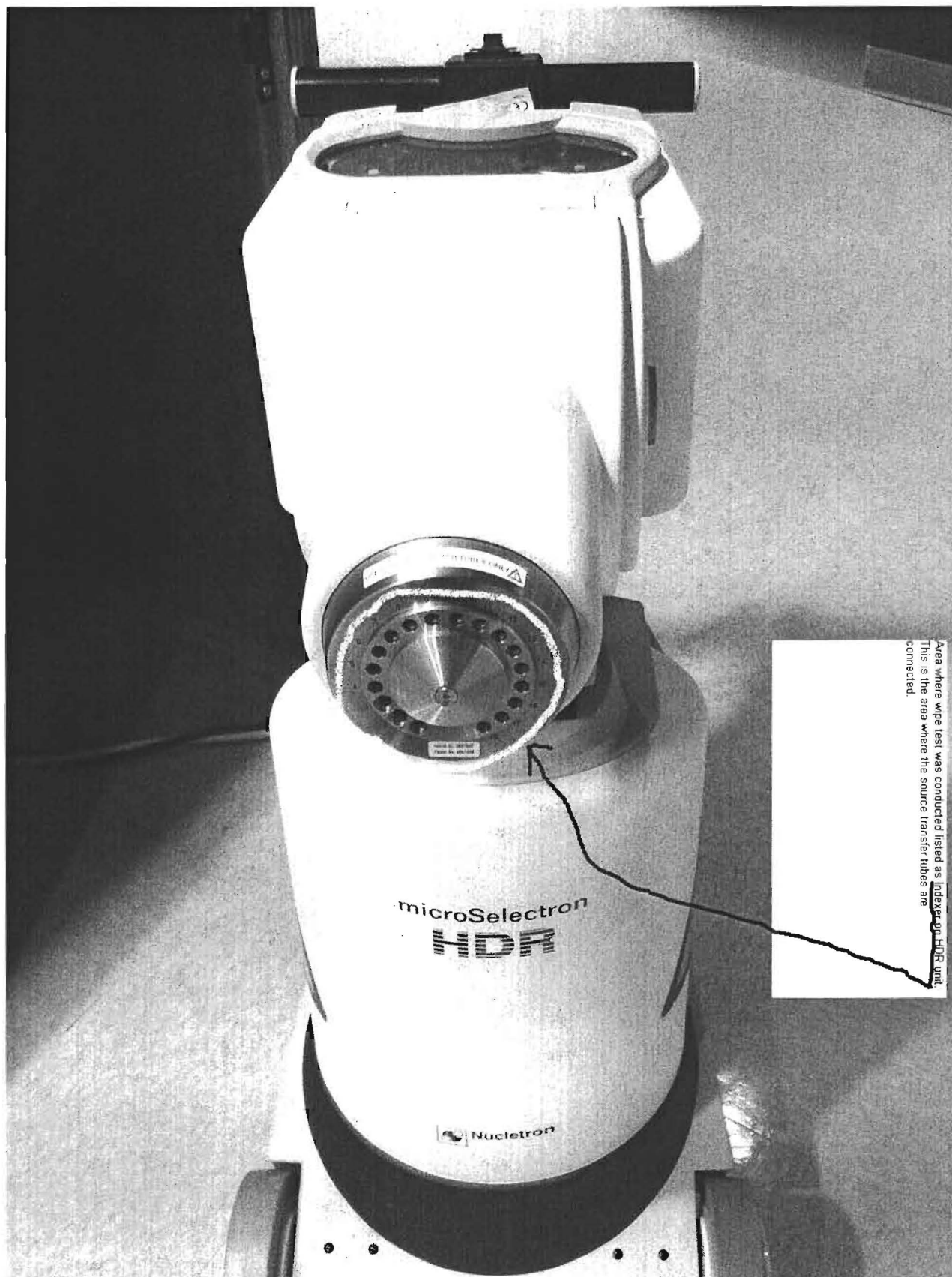
Jul 24, 2012 09:11

CAPUS - 500 REV 1.24 SN: 000131

U-01 CASE IN  
Counted For 50.0 sec

Trigger Level: 2000.0 dpm

CF: 400 -28.02 ± 63.95 dpm



# HDR Belt drive Area

3013

SAINT JOHNS HEALTH SYSTEM

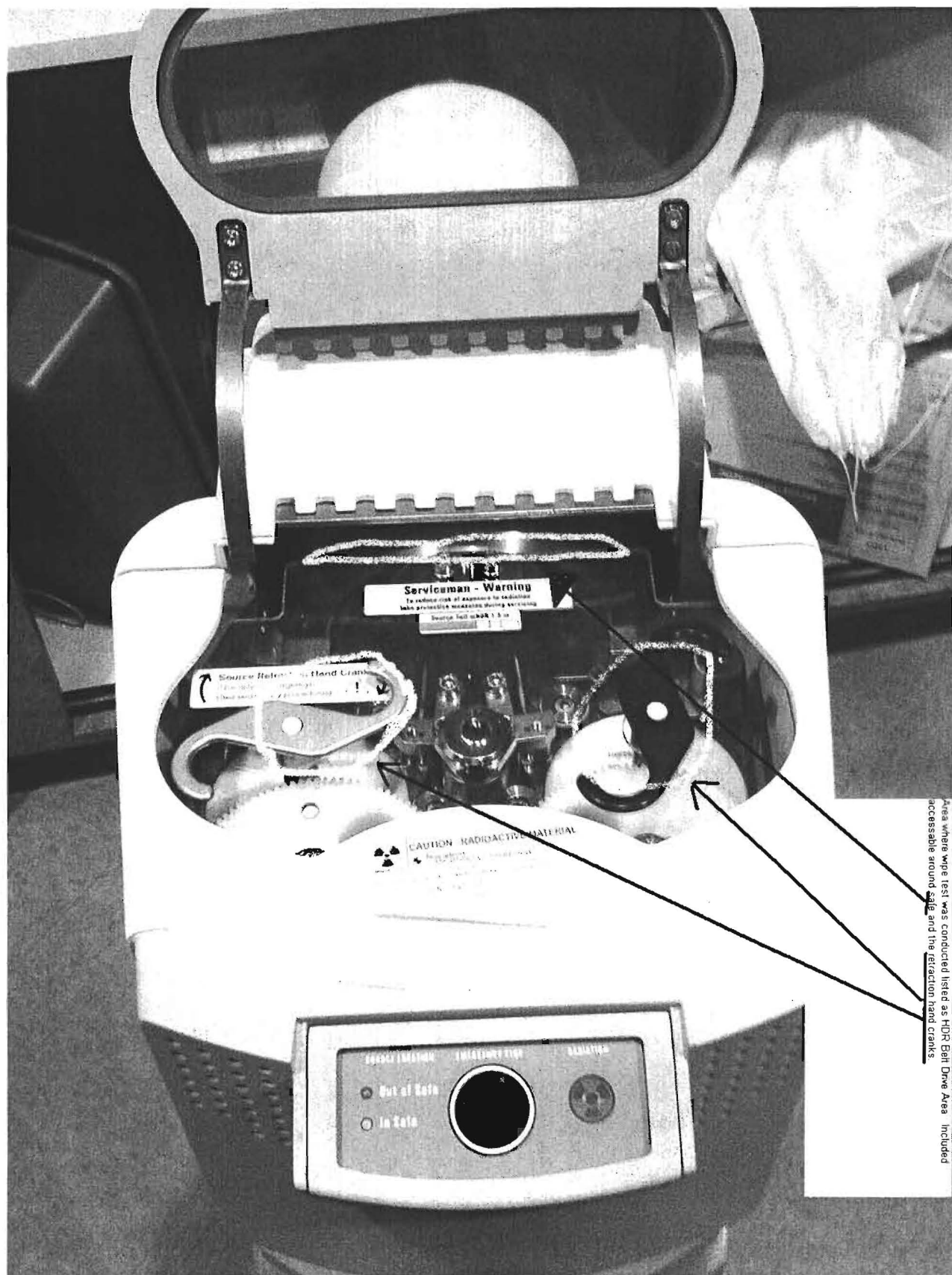
Jul 24, 2012 09:06

CAPTUS - 3000 REV 1.24 SN: 000131

U-01 CASE IN  
Counted for 60.0 sec.

Trigger Level: 2000.0 dpm

CF: 400 -40.00 ± 43.90 dpm



**Serviceman - Warning**  
To reduce risk of exposure to radiation  
before protective measures during servicing  
Source Bell (chok) 1.5 m

Source Helium 1.5 m Hand Crank  
1.5 m (chok) 1.5 m  
1.5 m (chok) 1.5 m

**CAUTION - RADIOACTIVE MATERIAL**  
1.5 m (chok) 1.5 m  
1.5 m (chok) 1.5 m

**Source Helium 1.5 m Hand Crank**  
1.5 m (chok) 1.5 m  
1.5 m (chok) 1.5 m

Area where wipe test was conducted listed as HDR Bell Drive Area. Included  
accessible around safe and the retraction hand cranks.

CAD

HDR unit Cabinet

SAINT JOHNS HEALTH SYSTEM

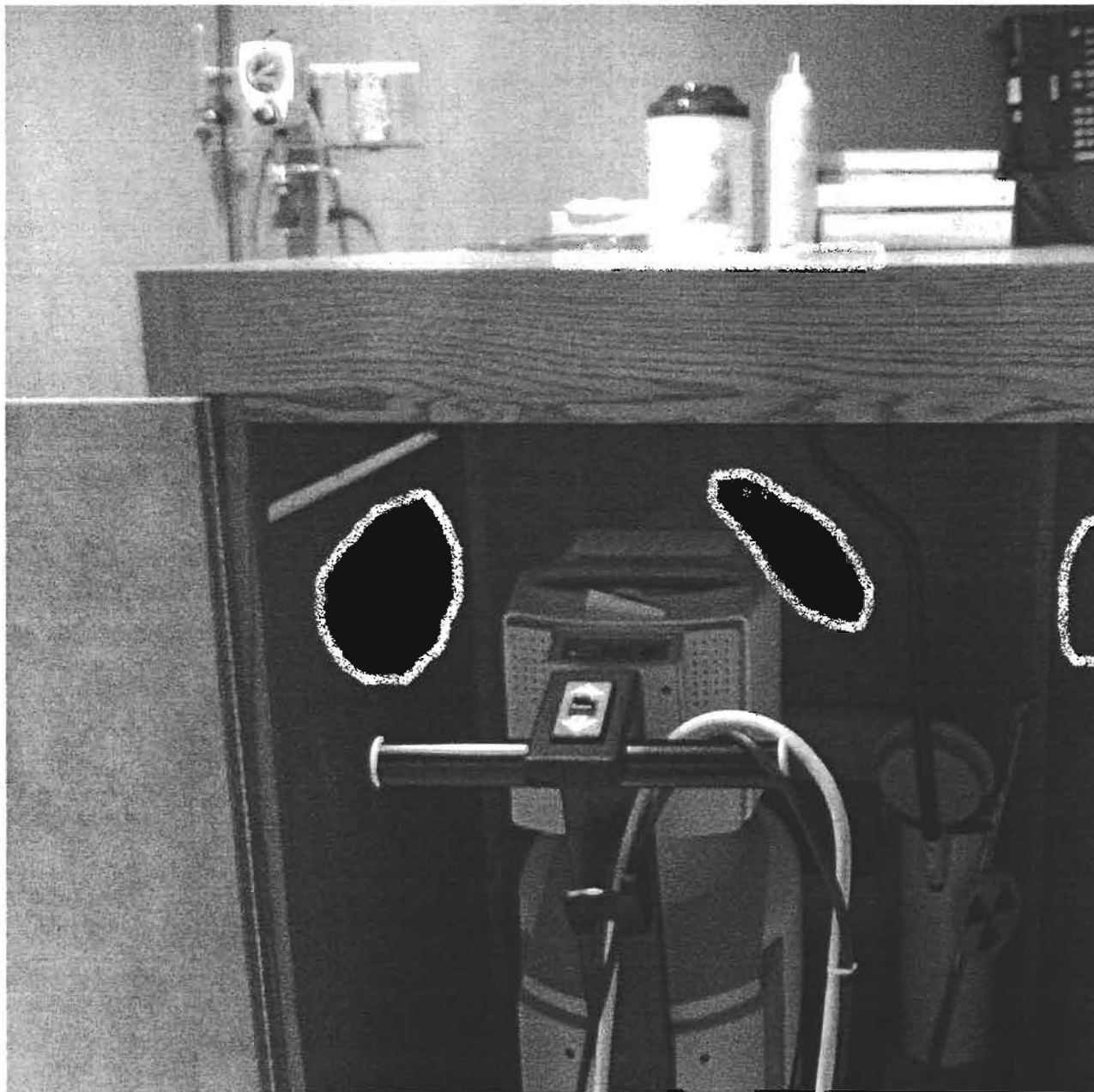
Jul 24, 2012 09:09

CAPTUS - 500 REV 1.24 SN: 000131

U-01 CASE IN  
Counted For 60.0 sec

Trigger Level: 2000.0 dpm

CF: 400 -74.04  $\pm$  43.14 dpm



Area where where wipe test were conducted  
labeled as HDR Unit Cabinet.

Areas included inside cabinet wall and top. The  
outside cabinet top was also wiped.

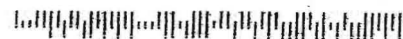
With the HDR unit removed from cabinet, a GM  
area survey was conducted of the cabinets interior  
using Ludlum Model 14c S/N 80911 Calibration  
date of 9/9/2011 All readings were at  
background of 0.04 mr/hr.

St. Vincent Hospital  
Diagnostic Physics Services  
2001 W. 86th St.  
Indianapolis, IN 46260

CERTIFIED MAIL™



7011 3500 0003 0607 0142



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08/13/2012

Mailed From 46222  
US POSTAGE

United States Nuclear Regulatory  
Commission  
Region III  
2443 Warrenville Road, Suite 210  
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*Attn: Colleen Casey*

St. Vincent Hospital  
Dept: 1027 - Indy - Administration  
Account #:



(CN)EM1027