

Casey, Colleen

From: Wroblewski, Edward [EEWroble@stvincent.org]
Sent: Wednesday, November 07, 2012 10:39 AM
To: Casey, Colleen
Cc: Arnold, Stacie
Subject: RE: Second deficiency, different letter
Attachments: Ltr to Colleen HDR110212.pdf; Ltr to ColleenErinandBecky2_110212.pdf; HDR survey.pdf

11/7/12

Dear CCC: Please see attachments. I believe these documents will provide the responses necessary to move forward with the Amendment requests, if not, let me know. Hope the training is going well. -ed

-----Original Message-----

From: Casey, Colleen [<mailto:Colleen.Casey@nrc.gov>]
Sent: Thursday, November 01, 2012 7:16 PM
To: Wroblewski, Edward
Subject: Second deficiency, different letter

Dear Ed,

I'm sorry I missed this the first time through but just caught it. The leak test for the final HDR source does not contain appropriate information, according to the regulations, excerpts are attached to the second conversation record.

Please resubmit. Thanks very much.

Colleen

Colleen Carol Casey

Health Physicist/Materials Licensing Reviewer Division of Nuclear Materials Safety United States Nuclear Regulatory Commission Region III

2443 Warrenville Road

Suite 210

Lisle, IL 60532-4352

direct office line: (630) 829-9841

fax: (630) 515-1078

Please note that my fulltime work schedule includes every other Friday off.

<http://www.nrc.gov/>

-----Original Message-----

From: R3-238-DNMS-B@nrc.gov [<mailto:R3-238-DNMS-B@nrc.gov>]
Sent: Thursday, November 01, 2012 7:56 PM
To: Casey, Colleen
Cc: Casey, Colleen
Subject: Scan from a Xerox WorkCentre Pro

Please open the attached document. It was scanned and sent to you using a Xerox WorkCentre Pro.

Sent by: Guest [R3-238-DNMS-B@nrc.gov]
Number of Images: 5

Attachment File Type: PDF

WorkCentre Pro Location: machine location not set Device Name: R3-238-DNMS-B

For more information on Xerox products and solutions, please visit <http://www.xerox.com>

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November 7, 2012

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Ms. Colleen Carol Casey
Materials Licensing Branch
United States Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Re: USNRC Materials License No. 13-00133-02; CONTROL No.: 578158

Dear Colleen:

With regard to the request for additional information regarding the leak test performed on on the Nucletron HRD unit formerly located at St. John's Hospital, Anderson, IN.

On July 23, 2012 a close-out survey was conducted by Robert Gregory MS, DABR on the Nucletron HDR unit and room. A Nucletron Model 105.002 Ir-192 source S/N D36D-0505 was installed May 10, 2012 with an initial activity of 11.5 Curies. Activity at the time of the close-out survey was 5.74 Curie. An initial area survey was conducted using Ludlum Model 14c S/N 80911 with a calibration date of 9/9/2011. All readings were at the background level of 0.04 mR/hr. Wipes were then performed on the source unit and source cabinet as indicated in the included diagrams. Wipes were analyzed on a Capintec, Captus™ well counter. The Minimum Detectable Activity for this unit is 109 dpm with a conversion factor of 1.27 dpm/cpm calculated on November 17, 2011, located in the nuclear medicine department at St. John's Hospital. The attached printout from the wipe test shows no removable activity.

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.

Thank you in advance for your review of this documentation. If additional information is desired, you may contact me at 317/338-2381, at your earliest convenience.

Sincerely,

Edward E. Wroblewski, M.A.
Diplomate, ABSNM
Radiation Safety Officer

Cc: USNRC Correspondence File

~~#1~~ Indexer on HDR unit

SAINT JOHN'S HEALTH SYSTEM

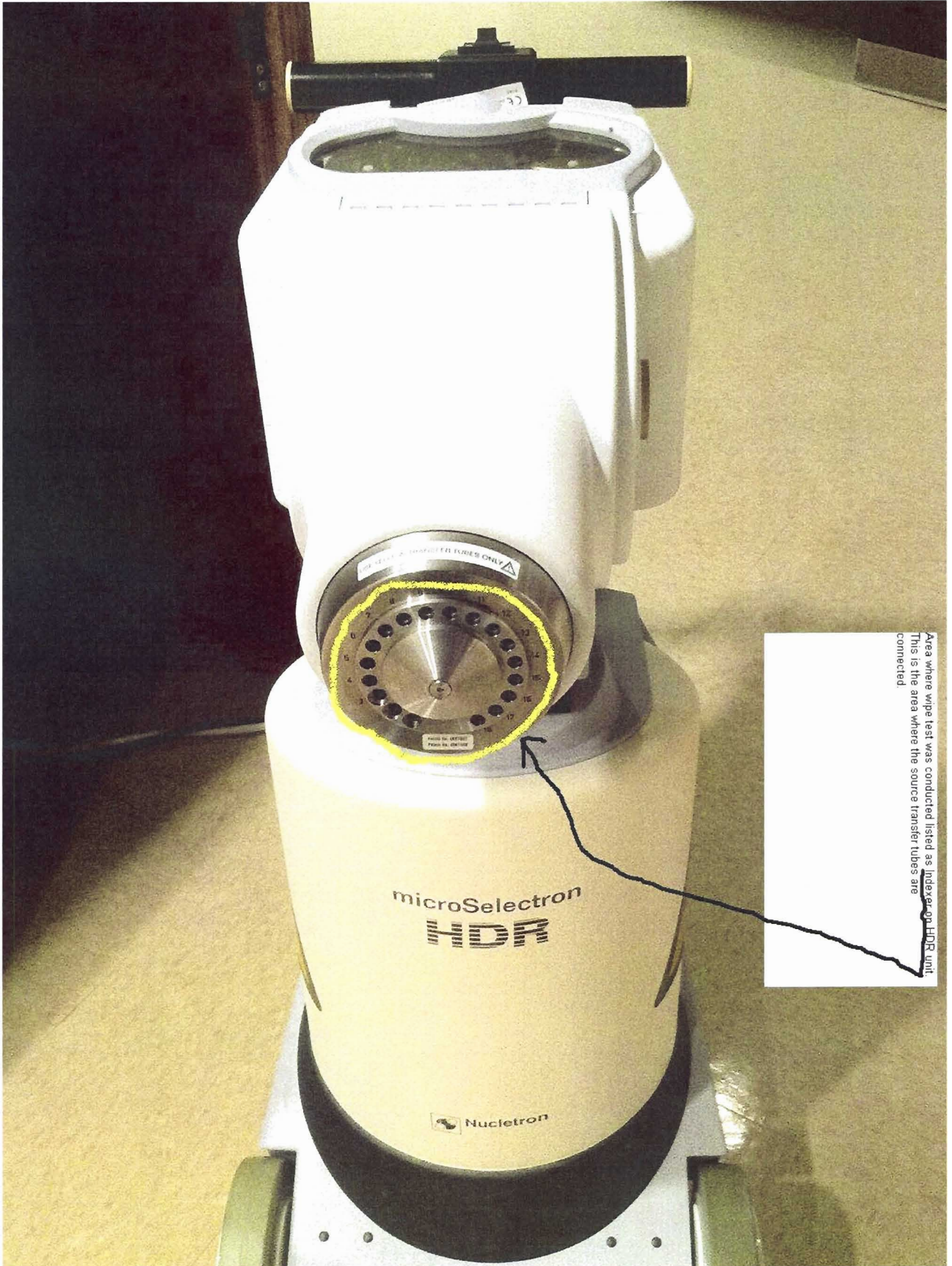
Jul 24, 2018 09:11

CAPTUS - 500 REV 1.24 SN: 000131

U-01 CASE IN
Counted For 50.0 sec

Trigger Level: 2000.0 dpm

CF: 400 -28.05 ± 43.96 dpm



Area where wipe test was conducted listed as Index group HDR unit.
This is the area where the source transfer tubes are connected.

microSelectron
HDR

Nucletron

HDR Belt drive Area

3013

SAINT JOHNS HEALTH SYSTEM

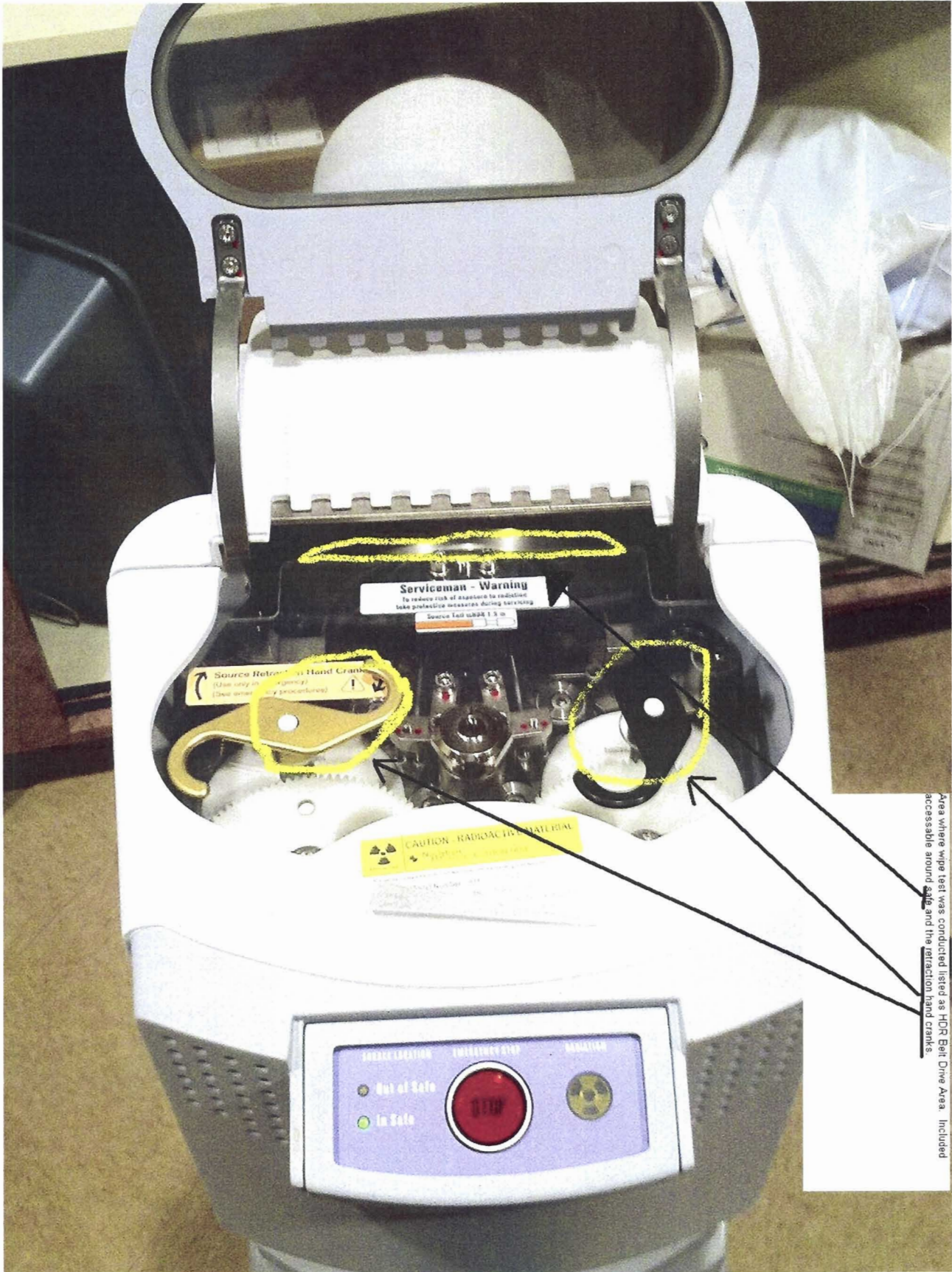
Jul 24, 2012 09:06

CAPTUS - 500 REV 1.24 SN: 000131

U-01 CASE IN
Counted For 60.0 sec.

Trigger Level: 2000.0 dpm

CF: 400 --40.03 ± 43.92 dpm



Serviceman - Warning
To reduce risk of exposure to radiation
take protective measures during servicing.
Source Tail 0824 1 & 2

Source Retract Hand Crank
(Use only in emergency)
(See assembly procedure)

CAUTION - RADIOACTIVE MATERIAL
RADIATION

EMERGENCY STOP RADIATION

● Out of Safe ● In Safe

STOP

Area where wipe test was conducted listed as HDR Belt 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 - 300 REV 1.24 SN: 000131

U-01 CASE IN
Counted For 60.0 sec

Trigger Level: 2000.0 cps

CF: 400 -74.04 ± 43.14 cps



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.

