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A Union Health partner

June 08, 2018

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

RE: NRC Material License
No. 13-16457-01

Dear Ms. Gryglak:

Our previous correspondence regarding Union Hospital's wish to re-purpose the former PET Imaging Center located in the Union Hospital Professional Office Building at 1532 North Seventh Street, Suite 100, Terre Haute, Indiana 47807 contained an error in the identification of the isotopes used. Our letter dated May 25, 2018 stated that only F-18, Cs-137 and Gd-153 (with the last two as sealed sources only) were used. In fact the only sources that were used are F-18, Cs-137 and **Ge-68** (with the last two as sealed sources only).

Leak test results (from November 2017) for the Ge-68 sources were provided via email on 06/08/2018.

If you have any questions regarding this correction please contact me at (812) 238-7275 (office) or (812) 240-2911 (cell).

Sincerely,

Dean A. Taylor

Dean A. Taylor, M.S.
Union Hospital
Radiation Safety Officer

Enclosed

SEALED SOURCE LEAK TEST ANALYSIS REPORT

SEALED SOURCE LEAK TEST ANALYSIS REPORT

**FACILITY:**
Union Hospital PET Center @ POB

**DEPARTMENT:**
Nuclear Medicine

**LOCATION:**
Terre Haute, Indiana

**INSTRUMENT:** Caprac CRC-55tW well counter, SN 560614, Cal'd 9/2017

| DATE | SOURCE | TYPE | CALIBRATED ACTIVITY(mCi) | CALIB. DATE | MANU. | S/N | MODEL # | NET nCi | TECH. |
|---|---|---|---|---|---|---|---|---|---|
| 11/28/2017 | Ge-68 | Flood Cylinder | 3.35 | 7/3/2013 | CTI Sources | 8313 | CS-20-3 | 0 | LDH |
| 11/28/2017 | Ge-68 | Flood Cylinder | 3.31 | 7/3/2012 | CTI Sources | 7348 | CS-20-3 | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.34 | 7/3/2012 | CTI Sources | 13031 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.05 | 7/3/2013 | CTI Sources | 14639 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.05 | 7/3/2013 | CTI Sources | 14640 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.05 | 7/3/2013 | CTI Sources | 14641 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Flood Cylinder | 3.32 | 7/2/2014 | CTI Sources | 9322 | CS-20-3 | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5 | 7/2/2014 | CTI Sources | 16492 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5 | 7/2/2014 | CTI Sources | 16493 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5 | 7/2/2014 | CTI Sources | 16494 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.86 | 11/18/2015 | CTI Sources | 18988 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.86 | 11/18/2015 | CTI Sources | 18989 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Rod Source | 5.86 | 11/18/2015 | CTI Sources | 18990 | LS-ACCEL | 0 | LDH |
| 11/28/2017 | Ge-68 | Flood Cylinder | 3.41 | 11/18/2015 | CTI Sources | 10688 | CS-20-3 | 0 | LDH |

Performed by: Laura Hoffmann 11/28/17 Under NRC License No.: 13-16457-01, Registration No.:R0156-84

RECEIVED
NOV 28 2017
By

**RSO Signature:** D.A. Taylor, M.S.
Radiation Safety Officer

**Date:**

## Gryglak, Magdalena

**From:** Dean Taylor <dtaylor@uhhg.org>
**Sent:** Friday, June 08, 2018 12:22 PM
**To:** Gryglak, Magdalena
**Subject:** [External_Sender] Re: Re: NRC License 13-16457-01
**Attachments:** Amendment 73 Req Correction.pdf.pdf

Ms. Gryglak

Please see the attached correction letter.

Thank you,
Dean

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**From:** Gryglak, Magdalena <Magdalena.Gryglak@nrc.gov>
**Sent:** Friday, June 8, 2018 11:30:29 AM
**To:** Dean Taylor
**Subject:** RE: Re: NRC License 13-16457-01

CAUTION: EXTERNAL EMAIL

Ok thank you

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**From:** Dean Taylor [mailto:dtaylor@uhhg.org]
**Sent:** Friday, June 08, 2018 10:24 AM
**To:** Gryglak, Magdalena <Magdalena.Gryglak@nrc.gov>
**Subject:** [External_Sender] Re: NRC License 13-16457-01

Good Morning Ms. Gryglak,

Regarding the Cs-137 at in the former PET Center, we only used low activity sources for survey meter and well counter so no leak testing was required.
My requested dated May 25, 2018 contained one error in identifying the isotopes used. I stated that F-18, Cs-137 and Gd-153 were used when in fact the PET scanner used Ge-68 sources for calibration not Gd-153. I will draft a correction letter and scan it to you. The Ge-68 leak testing results are attached. My apologies for the error.

Sincerely,
Dean

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**From:** Gryglak, Magdalena <Magdalena.Gryglak@nrc.gov>
**Sent:** Friday, June 8, 2018 10:00:01 AM
**To:** Dean Taylor
**Subject:** NRC License 13-16457-01

CAUTION: EXTERNAL EMAIL

Good morning Mr. Taylor;

I am reviewing your request associated with the release of the former PET Imaging Center. Could you please forward a copy of the most recent leak test results for Cs-137 and Gd-153 before they were transferred to the main hospital.

Thank you
Magdalena

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