

Borgess Health

1521 Gull Road
 Kalamazoo, MI 49048
 (269) 226.7000

BORGESS

5 June 2018

Magdalena Gryglak
 Materials Licensing Section
 U.S. Nuclear Regulatory Commission, Region III
 2443 Warrenville Rd.
 Lisle, IL 60532-4352

Subject: Amendment requests for license number 21-12275-02

This is an answer to questions posed in an email of 24 May 2018. A copy of this email is attached.

- List of radioisotopes used (unsealed) at the location and the date the material was last used:
 Clinical patient use: Tc-99m, I-123, 22 Dec 2017
 Quality Control use: Co-57, Cs-137, and Ba-133, 22 Dec 2017

- What sealed sources were used at Lee:

Nuclide	Type	Cal. Activity	Cal. Date	Manufacturer	Serial number
Co-57	flood	10 mCi	1 Nov 2010	Eckert and Ziegler	1457-053
Co-57	flood	10 mCi	15 Feb 2015	RAdQual	13019104
Cs-137	vial	211 µCi	1 Mar 2001	IPL	747-11-29
Ba-133	vial	250 µCi	1 Mar 2001	IPL	743-16-33
Cs-137	rod	0.5 µCi	1 Nov 2000	IPL	725-42-4

- What are the leak test results for these sealed sources:
 0.005 µCi.
- Where have these sealed sources been moved to or where have they been disposed:
 All sources were transferred to Borgess Medical Center, Kalamazoo, MI prior to the close out survey.

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5. What is the efficiency of the well counter:
Minimum detectible activity is 26 dpm.

If there are any questions, please do not hesitate to contact me at
(269) 373-7407.

Thank you.



Paul Jursinic, Ph.D.
Radiation Safety Officer
Borgess Medical Center

NRC license no. 21-12275-01, Borgess Medical Center



Gryglak, Magdalena <Magdalena.Gryglak@nrc.gov>

Thu 5/24, 10:10 AM

Paul Jursinic ✕

👍 ↩ Reply

📌 Action Items

Good morning Dr. Jursinic;

I am just following up with an email and summarizing our discussion on Monday, May 21, 2018 regarding additional information needed to process your request to remove a location of use, NRC license 21-12275-02, Borgess Medical Center. The following information is needed:

- 1) List of radioisotopes used (unsealed) used at the location and the date material was last used.
- 2) List of sealed material (sealed sources) used at the location of use.
- 3) Most recent leak test results for the sealed sources before they were transferred.
- 4) Disposition of the sealed sources (indicate the location where the sources were transferred).
- 5) Efficiency/correction factor for the well counter.

Please provide the additional information in a signed and dated letter via email to Magdalena.Gryglak@nrc.gov by June 12, 2018.

Thank you
Magdalena R. Gryglak
US NRC, Region III
630-829-9875

BORGESS MEDICAL CENTER

X-RAY DEPT.
1521 GULL ROAD
KALAMAZOO, MI

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Magdalena Gryglak
Materials Licensing Section
US Nuclear Regulatory Commission, Region III
2443 Warrenville Rd
Lisle IL 60532-4352

