

**From:** [Sieffert, David](#)  
**To:** [Tran, Frank](#)  
**Subject:** [External\_Sender] RE: Request for additional information for NRC License No. 21-04177-01  
**Date:** Monday, April 20, 2020 10:18:45 AM  
**Attachments:** [Spectrum Health Lakeland Sealed Source Inventory.pdf](#)

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Hello Mr. Tran,  
Please see attachment per your request. Let me know if anything else is needed.  
Best Regards,

**David E. Sieffert, MS, DABR**  
**Radiation Oncology Physicist, RSO**  
Radiation Oncology Department  
Spectrum Health Lakeland  
1234 Napier Ave  
St. Joseph, MI 49085  
Email: [dsieffert@lakelandhealth.org](mailto:dsieffert@lakelandhealth.org)  
Ph. 269-985-4593

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**From:** Tran, Frank <Frank.Tran@nrc.gov>  
**Sent:** Monday, April 20, 2020 9:48 AM  
**To:** Sieffert, David <DSIEFFERT@LakelandHealth.org>  
**Subject:** Request for additional information for NRC License No. 21-04177-01

**EXTERNAL: This email came from outside Spectrum Health Lakeland. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Dear Mr. Sieffert:

We have reviewed your amendment request dated April 15, 2020 for NRC License No. 21-04177-01. The request is to release Rooms 214, 215, 216, 217 and 223 at 1234 Napier Avenue, St. Joseph, Michigan for unrestricted use.

Please provide a history of any lost sources or leaking sealed sources for the areas above. If there is no history of lost sources or leaking sealed sources, please state.

Please provide the response in writing with date and signature by May 20, 2020. To proper handling of correspondences in our office, please reference Mail Control No. 618624. You could fax the response to 630-5151078 or email a copy of the response as a pdf to [frank.tran@nrc.gov](mailto:frank.tran@nrc.gov).

If you have any questions regarding the above, please contact me at 630-829-9623 or reply to this email.

Sincerely,

*Frank Tran*

Health Physicist/License Reviewer

NRC Region III/Division of Nuclear Materials Safety

Phone: 630-829-9623

Fax: 630-515-1078

Email: [Frank.Tran@nrc.gov](mailto:Frank.Tran@nrc.gov)





## Sealed Source Inventory

Facility: Specgtrum Health Lakeland

Date: 03/17/20

Performed by: Dawn Edwards

Nuclide	Type	Location	M/N	S/N	Manufacturer
Cs-137	Vial	Hot Lab	NES-356	S356022045	DuPont
Calibration Activity:		216uCi	Calibration Date: 02/25/92	Current Activity	112.9uCi
Co-57	Flood	Hot Lab	MED 3709	2052-059	Eckert&Ziegler
Calibration Activity:		10mCi	Calibration Date: 12/01/18	Current Activity	2.99mCi
Co-57	Flood	Hot Lab	MED 3709	2052-062	Eckert&Ziegler
Calibration Activity:		10mCi	Calibration Date: 12/01/18	Current Activity	2.99mCi
Cs-137	Rod	Hot Lab		1594-41-45	Eckert&Ziegler
Calibration Activity:		0.5uCi	Calibration Date: 11/01/12	Current Activity	0.422uCi
Ba-133	Vial	Hot Lab	BM06E-33	BM0613311049203	Benchmark
Calibration Activity:		275uCi	Calibration Date: 02/24/11	Current Activity	151.4uCi
Eu-152	Rod	Hot Lab		1594-49-5	Eckert&Ziegler
Calibration Activity:		0.5uCi	Calibration Date: 11/01/12	Current Activity	0.341 uCi

**All sealed sources were transferred to the new department.  
There is no history of leaking sources**

### SEALED SOURCE AMBIENT EXPOSURE SURVEY

Meter: Ludlum 1 at floods

Max Reading: 2.0 mR/hr