

Beaumont

Beaumont Hospital, Dearborn
18101 Oakwood Blvd.
Dearborn, MI 48124

January 15, 2019

U.S. Nuclear Regulatory Commission, Region III
Attn: Materials Licensing Section, Magdalena R. Gryglak
2443 Warrenville Rd.

LISLE, IL 60532-4352

RE: Amendment Request
NRC License #21-04515-01

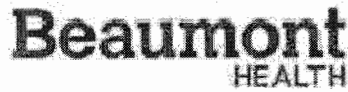
Per our phone conversation on 1/15/19 regarding the removal of Cs-137 from NRC license #21-04515-01 the leak test table on page two of the attached document has been updated.

If you have any other questions please contact me at 248-551-7072 or by email at lisa.benedetti@beaumont.org.

Sincerely,

Lisa A. Benedetti

Lisa A. Benedetti
Director Clinical Physics
3601 W. 13 Mile Rd.
Royal Oak, MI 48073



Department of Radiation Oncology - Dearborn
Removal of ¹³⁷Cs sources

Date: January 22, 2016

Physicist: Evelyn Sebastian

The ¹³⁷Cesium sources were permanently removed from the hot lab in radiation oncology by RAM Services, Inc. to a low level radioactive waste site. The lead safes were removed for disposal

1. The sources were inventoried.

Color Code	Model	Serial Number	mgRaEq	Manufacture Date	mgRaEq Today	mCi Today ¹	
Red	6D6C-CA	1523	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1493	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1513	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1485	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1492	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1490	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1559	10.7	10/17/1973	4.05	10.25	
	6D6C-CA	1527	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1538	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1439	10.6	10/17/1973	4.01	10.16	
	6D6C-CA	1555	10.7	10/17/1973	4.05	10.25	
	Blue	6D6C-CA	0591	16.7	10/17/1973	6.32	16.00
6D6C-CA		0690	16.9	10/17/1973	6.40	16.19	
6D6C-CA		0671	16.8	10/17/1973	6.36	16.10	
6D6C-CA		0673	16.5	10/17/1973	6.25	15.81	
6D6C-CA		0678	16.9	10/17/1973	6.40	16.19	
6D6C-CA		0640	16.6	10/17/1973	6.28	15.90	
6D6C-CA		0669	16.9	10/17/1973	6.40	16.19	
6D6C-CA		0041	34.2	10/17/1973	12.95	32.77	
White	6D6C-CA	0040	33.9	10/17/1973	12.83	32.48	
	6D6C-CA	4497	10.9	11/12/1982	5.08	12.86	
Green	6D6C-CA	4522	10.7	11/12/1982	4.99	12.63	
	6D6C-CA	4472	10.5	11/12/1982	4.90	12.39	
	6D6C-CA	4470	10.2	11/12/1982	4.76	12.04	
	6D6C-CA	4501	10.6	11/12/1982	4.94	12.51	
	6D6C-CA	4463	10.4	11/12/1982	4.85	12.27	
	Silver	6D6C-CA	2883	15.4	11/12/1982	7.18	18.17
		6D6C-CA	2869	15.5	11/12/1982	7.23	18.29
6D6C-CA		2880	15.5	11/12/1982	7.23	18.29	
6D6C-CA		2857	15.4	11/12/1982	7.18	18.17	
6D6C-CA		2891	15.5	11/12/1982	7.23	18.29	
6D6C-CA		2881	15.5	11/12/1982	7.23	18.29	
6D6C-CA		2835	15.5	11/12/1982	7.23	18.29	

¹ mCi = mgRaEq*(8.25/3.26)

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Department of Radiation Oncology - Dearborn Removal of ¹³⁷Cs sources

Gold	6D6C-CA	05351	15.7	8/23/1989	8.55	21.65
	6D6C-CA	05339	15.8	8/23/1989	8.61	21.79
	6D6C-CA	05357	15.7	8/23/1989	8.55	21.65
	6D6C-CA	05349	15.7	8/23/1989	8.55	21.65
	6D6C-CA	05348	15.7	8/23/1989	8.55	21.65
	6D6C-CA	05340	15.7	8/23/1989	8.55	21.65
	6D6C-CA	05346	15.7	8/23/1989	8.55	21.65
4 CM	6D6C-LCF	D5-3	2.01	4/8/1983	0.95	2.39
	6D6C-LCF	D5-9	2.02	4/8/1983	0.95	2.41
	6D6C-LCF	D6-3	2.01	4/8/1983	0.95	2.39
	6D6C-LCF	D6-9	2.01	4/8/1983	0.95	2.39
6 CM	6B6G-LD-F	23-1	3.04	4/8/1983	1.43	3.62
	6B6G-LD-F	23-7	3.07	4/8/1983	1.44	3.66
	6B6G-LD-F	24.2	3.03	4/8/1983	1.43	3.61
	6B6G-LD-F	24.4	3.09	4/8/1983	1.45	3.68
	6B6G-LD-F	24.5	3.08	4/8/1983	1.45	3.67
	6B6G-LD-F	24.6	3.07	4/8/1983	1.44	3.66
Totals					266.81	675.20

Attached please find the source certifications.

- The sources were wiped to verify there was no leakage. The wipes were read on the well chamber, Capintec, Inc model Caprac, SN 000659 located in nuclear medicine. The results are as follows:

Drawer (Color)	Source color Nominal MgRaEq	Location	Reading		
			CPM	DPM	µCi
Red	Red	1-3	8	9.2	3.6×10^{-6}
		4-6	11	12.6	5×10^{-6}
		7-9	-34	-39	0
		10-11	-37	-42	0
	White	1-2	23	26	1×10^{-5}
Orange	Gold	1-2	-10	-10	0
		3-7	41	47	2.1×10^{-5}
Green	Green	1-2	14	16	7.2×10^{-6}
		3-6	-19	-21.7	0
	Silver	1-4	20	23	1.0×10^{-5}
5-7		-31	-36	0	
Blue	Blue	1-4	11	13	5.9×10^{-6}
		5-7	-7	-8	0
Needle Safe	4 cm		-7	-8	0
	6 cm		-25	-29	0

The removable contamination of the sources is below the allowable limits of .005 µCi for the amount of removable contamination for a sealed source.

- The sources were then packaged by the RAM Services, Inc. technician and labeled according to DOT regulations for transportation to the waste facility.

Song, Taehoon

From: Gryglak, Magdalena
Sent: Thursday, January 17, 2019 1:49 PM
To: Song, Taehoon; Sandrik, Lauren; Pavon, Sandy
Cc: Tomczak, Tammy
Subject: FW: RE: NRC License no. 21-04515-01/Removal of Cs-137 seeds
Attachments: Letter January 15 License 21-04515-01.pdf; 1_15_19 Removal of Cesium sources.pdf

Please place the documents in ADAMS;

Beaumont Hospital – Dearborn
610484
030-02051
21-04515-01

Thank you

From: Benedetti, Lisa A [mailto:Lisa.Benedetti@beaumont.org]
Sent: Wednesday, January 16, 2019 8:28 AM
To: Gryglak, Magdalena <Magdalena.Gryglak@nrc.gov>
Subject: [External_Sender] RE: NRC License no. 21-04515-01/Removal of Cs-137 seeds

Ms. Gryglak,

As per our discussion on 1/15/19 I have revised the table with the leak testing information. Attached please find the cover letter and pages 1 & 2 of the report. If I can answer any other questions or provide any additional information please let me know.

Thank you,
Lisa

Lisa A. Benedetti | Director, Clinical Physics
Beaumont Hospital – Royal Oak
3601 West 13 Mile Road | Royal Oak | MI | 48073
P: 248-551-7072 | Pager: 248-995-7827
lisa.benedetti@beaumont.org

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From: Gryglak, Magdalena [mailto:Magdalena.Gryglak@nrc.gov]
Sent: Tuesday, January 15, 2019 12:14 PM
To: Benedetti, Lisa A
Subject: NRC License no. 21-04515-01/Removal of Cs-137 seeds

WARNING: This email originated from **outside** of Beaumont Health.

Do not click on any links or open any attachments unless you recognize the sender and are expecting the message.

Ms. Benedetti,

As we discussed today, please provide the inventory list and a revised table with the leak testing information. Also, please provide a signed and dated letter. You may provide the information via email as a pdf attachment.

Thank you

Magdalena R. Gryglak
U.S. NRC Region III
630-829-9875

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