

August 17, 2010

U. S. Nuclear Regulatory Commission
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Dear Sir or Madam:

Saint Joseph Regional Medical Center would like to amend its Byproduct Materials License, number 13-02650-02, to delete Christopher Gouin, M.S., Yuntao Feng, Ph.D., Mirosław Bialkowski, M.S., Steven Gasiecki, M.S., Yuri Ellis, M.S., Francisco Nunez, M.S., and Jeremy Blauser, M.S. as Authorized Medical Physicists.

In addition, we request the removal of authorization of iridium-192 as permitted by 10 C.F.R. 35.600. All iridium-192 sources have been returned to the manufacturer.

We also request the removal from the license of the address of use listed under Condition 10.A. Enclosed is a close-out survey for that address of use.

We also request the addition of Robert Rust, M.D. as an Authorized User of materials licensed under 10 C.F.R. 35.100, 35.200, and 35.300 (for iodine-131, limited to the oral administration of sodium iodide-131 in quantities less than or equal to 33 milliCuries). Dr. Rust was listed as an Authorized User on our USNRC license as late as amendment 49 but was subsequently left off.

We request John Kobayashi, M.D. be added as an Authorized User of materials licensed under 10 C.F.R. 35.200 and Szaboles Szabo, M.D. be added as an Authorized User of materials licensed under 10 C.F.R. 35.100 and 35.200. Drs. Kobayashi and Szabo were listed as Authorized Users on our USNRC license as late as amendment 49 but were subsequently left off.

We request the addition of Shawn Kaser, M.D. as an Authorized User of materials licensed under 10 C.F.R. 35.200. Dr. Kaser is currently

Saint Joseph Regional Medical Center
5215 Holy Cross Parkway
Mishawaka, IN 46545
(574) 335-5000

Plymouth Campus
1915 Lake Avenue
Plymouth, IN 46563
(574) 936-3181

Elm Road Medical Campus
60101 Bodnar Boulevard
Mishawaka, IN 46544

Saint Joseph Pediatric Specialty Clinics
611 East Douglas Road, Suite 405
Mishawaka, IN 46545
(574) 335-6240

Saint Joseph Physician Network
810 East Park Place
Mishawaka, IN 46545
(574) 472-6700

**Saint Joseph Regional Medical Center
Rehabilitation Institute**
60205 Bodnar Boulevard
Mishawaka, IN 46544
(574) 335-8800

Saint Joseph Urgent Care
53830 Generations Drive, Suite 110
South Bend, IN 46635
(574) 472-6333

**The Foundation of
Saint Joseph Regional Medical Center**
837 East Cedar Street, Suite 350
South Bend, IN 46617
(574) 237-7377

Saint Joseph Administrative Offices
837 East Cedar Street, Suite 350
South Bend, IN 46617
(574) 335-5000

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listed as an Authorized User on USNRC license number 13-26679-01
(Cardiology Division, Midwest Medical Group, LLC).

Finally, we request the addition to the license of Oncura, Inc. Model
Number 6711 and Oncura, Inc. Model Number 9011. Both sources are
iodine-125 as permitted by 10 C.F.R. 35.400.

Should there be any questions concerning this request, please feel free
to contact our Radiation Safety Officer, Mr. Patrick Byrne, DABR,
CHP, DABSNM at 1-877-321-2207x343.

Sincerely,

A handwritten signature in black ink, appearing to read "Ch Karam", written over the word "Sincerely,".

Christopher Karam
Vice President, Clinical Services

Close-out survey of: Radiation Oncology Center
 707 East Cedar Street, Suite 100
 South Bend, Indiana

Performed by: Patrick J. Byrne, CHP, DABR, DABSNM
 Radiation Safety Officer

Radioactive materials usage at this address of use was limited to Iridium-192 for use in high dose rate brachytherapy (HDR) procedures. The Iridium-192 was in the form of sealed sources. There was no history of any leaking sealed source at this address of use.

Wipe tests for removable radioactive contamination were taken on 08/04/10 and analyzed in a 243 Shielded Well Scintillator (S/N: 145366) coupled to a Ludlum Model 2200 Scaler Ratemeter (S/N: 138705). The efficiency of this system for Iridium-192 is 10.76 dpm/cpm.

The radiation levels survey was performed on 08/04/10 by Patrick J. Byrne, using a Ludlum Model 14C Geiger-Muller survey meter (S/N: 182928) with an end window probe. The meter was calibrated on 06/21/10. The range used for the radiation level survey was 0.0 to 0.2 mR/hr.

Visual Inspection

The area was visually inspected to ensure that all radioactive waste had been removed. No unsealed radioactive materials were located in the area.

Radiation Level Survey

No area demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

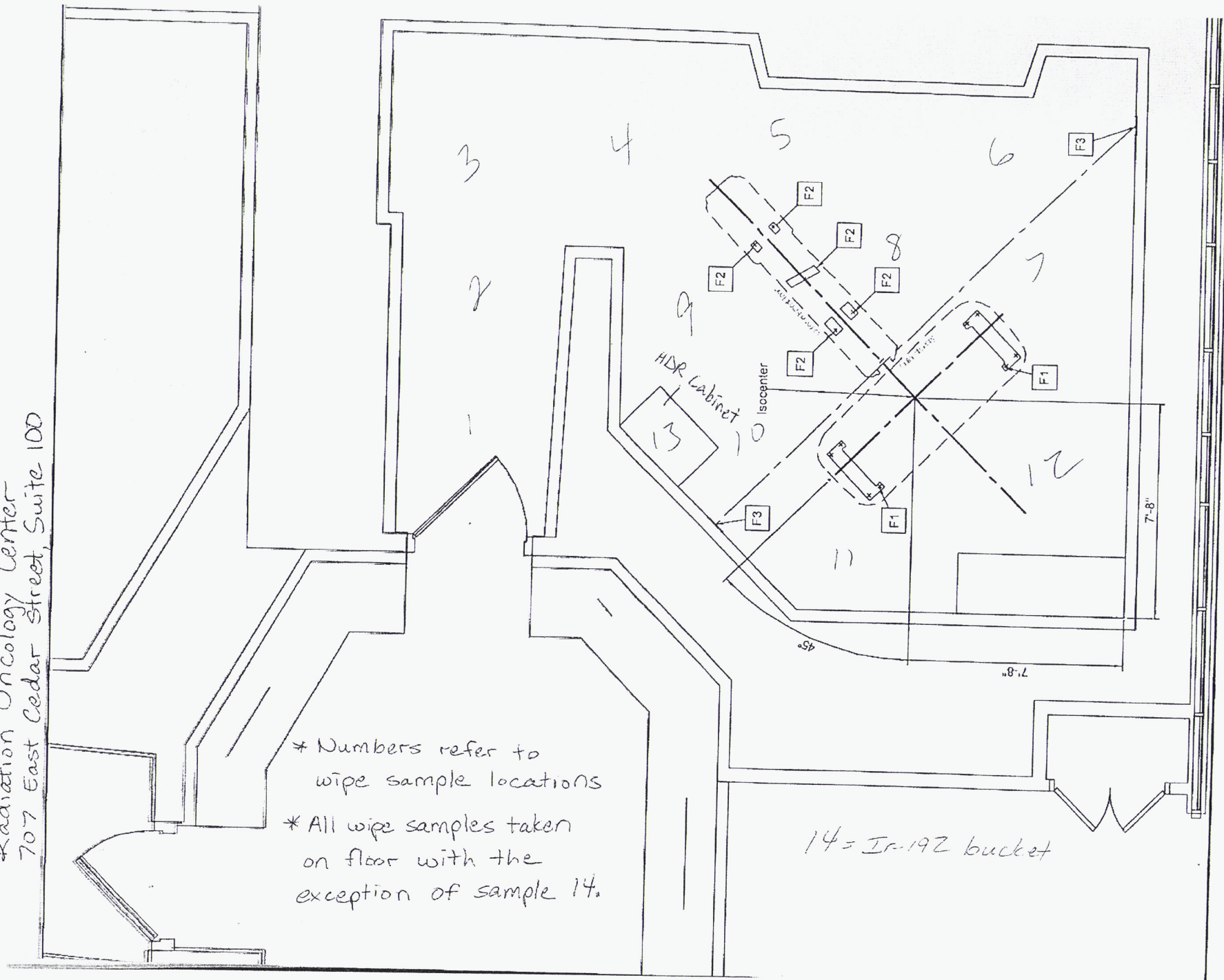
Sealed Sources

All sealed sources were returned to the manufacturer (Varian). The final Iridium-192 source was returned on 08/05/10.

Radiation Oncology Center
707 East Cedar Street, Suite 100

- * Numbers refer to wipe sample locations
- * All wipe samples taken on floor with the exception of sample 14.

14 = Ir-192 bucket



Removable Contamination Survey Results

Wipe samples were counted in a Model 243 Shielded Well Scintillator (S/N: 145366) coupled to a Ludlum Model 2200 Scaler Ratemeter (S/N: 138705). The efficiency of this system for Iridium-192 is 10.76 dpm/cpm.

Background: 27 counts per minute

High Dose Rate Brachytherapy Room

Wipe Number	Gross counts per minute	Net counts per minute	Disintegrations per minute
1	26	0	0
2	37	10	108
3	25	0	0
4	33	6	65
5	32	5	54
6	33	6	65
7	25	0	0
8	27	0	0
9	43	16	172
10	28	1	11
11	24	0	0
12	37	10	108
13	39	12	129
14	46	19	204

*Please refer to the attached survey map for wipe locations.

Maximum removable contamination occurred at wipe location 14. Net count rate (gross minus background) = $46 - 27 = 19$ cpm/100cm². Net removable disintegrations per minute = $19 \text{ cpm/100cm}^2 \times 10.76 \text{ dpm/cpm} = 204$ dpm/100cm².

Conclusion

As of August 5, 2010, all radioactive materials have been removed from the area of use and no removable contamination is present.

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