

January 29th, 2020

Farrah Gaskins, Health Physicist, Medical and Licensing Assistance Branch
US NRC Region I DNMS
2100 Renaissance Blvd, Suite 100
King of Prussia, Pennsylvania 19406-2713

RE: Mail Control Number: 615355 (Ref.) RLJ 03003370
License Amendment Request for Radioactive Materials License # 47-00404-02
Cabell Huntington Hospital, Huntington, WV 25701-0195

Dear Farrah:

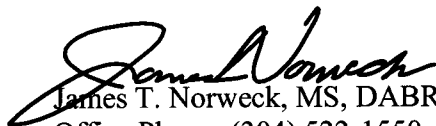
This letter is in follow up to our letter dated 10/25/2019 relative to moving the injection room and performing a closeout survey in the nuclear medicine department at St. Mary's Medical Center.

On 1/27/2020, we moved the thyroid uptake/well counter system from Room 1198B to Room 1199. Also at that time, we discontinued use of radioactive materials in Room 1198B and started performing patient injections in Room 1199. On 1/28/2020, closeout surveys of Rm 1198B were performed and documented. The closeout area surveys and contamination wipe surveys indicate that there is no residual radioactivity in Room 1198B above background levels, please refer to the attached report with diagram.

We now wish to release this area for renovations and unrestricted use as soon as possible.

We appreciate your consideration of our request. If additional information is needed, or if we may be of assistance, please do not hesitate to contact us.

Sincerely,



James T. Norweck, MS, DABR, Radiation Safety Officer
Office Phone: (304) 522-1550 x 234
Email: jnorweck@radiology-inc.com

Closeout Radiation Survey Record

Facility: St. Mary's Medical Center, Huntington, WV

Action Levels:		
Area	Radiation Survey Limit	Removable Contamination Limit (Class 1/2)
Unrestricted	2.0 mR/hr	200 / 2,000 DPM

Instruments Used for Surveys				
Survey	Make & Model	Serial No.	Calibrated	Detector Efficiency
Area	Ludlum 14-C	236868	3/5/2019	5%
Wipe	Biodex AtomLab 500 Well	93286055	10/18/2019	30% (wide window)

NOTES:

1. For Radiation Surveys: mR/hr = mRem/hr; For Wipe Tests: CPM = Counts Per Minute over 100 cm²; If wipe CPM is >Bkg, convert net (n) CPM to DPM, (DPM = nCPM/Detector Efficiency).
2. Radiopharmaceutical Class: 1= In-111, I-123, I-125, I-131, Ra-223; Class 2= Co-57, Ga-67, Tc-99m, Tl-201.
3. Closeout Surveys must be performed in all areas where radioactive materials were prepared, administered, or stored.
4. Area Survey Method: Maintain the detector about 1 cm from the surface being scanned and moved from side-to-side in a 1 meter wide pattern at a rate of about 3 cm per second. Monitor the audible meter signal was monitored for any increase in count rate. An increase in count rate would result in further investigation to localize the level and extent of residual radioactivity.
5. Wipe Test Method: Use alcohol prep pad held with long handled forceps with moderate pressure and wipe surfaces from side-to-side in serpentine pattern with at least 20% coverage per square meter. Wipe sample areas must cover at least 100 cm². A single wipe sample may be used to cover a larger area (300 to 400 cm²). If any wipe surveys indicate contamination approaching 10% of the release criteria, the area would be resampled at 100% coverage using a single smear per square meter measure the level and extent of residual radioactivity.

Location	Injection Room 1198B		Date Surveyed:	
Survey	Area		Wipe	
Background	.02	mR/hr	503	CPM
Area Surveyed (see diagram)	Max. Area Survey (mR/hr)	Wipe gross counts per minute (CPM)	Wipe net counts per minute (CPM)	Wipe net disintegrations per minute (DPM)
Thyroid uptake/well	.02	463	-40	-80
Room floor	.02	491	-10	-20
North interior wall	.03	469	-34	-69
South interior wall	.02	517	14	29
East interior wall	.02	495	-8	-16
West interior wall	.03	523	20	41
West interior door	.02	497	-4	-1
South interior door	.02	537	34	70
Injection chair	.02	457	-46	-94
Rolling table	.02	497	-6	-11
Trash can	.02	455	-48	-98
Misc. items in room				
Surveyor's Signature:	Jill Stevens, LSWMT 1/28/2020			

Injection Room 1198B Diagram

