



The Medical Center
1000 Dutch Ridge Road
Beaver, Pennsylvania
15009-9700

Sewickley Valley Hospital
720 Blackburn Road
Sewickley, Pennsylvania
15143-1498

April 28, 2005

MS-16

K-8

Ms. Sandy Gabriel
Senior Health Physicist
U.S. Nuclear Regulatory Commission
Materials Licensing Branch
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: Response to questions for amendments to:
License 37-11562-01 and 37-11079-01
Dockets: 03003143 and 03003131
Mail controls: 136563 and 136564
The Medical Center and Sewickley Valley Hospital

Dear Ms. Gabriel:

In response to your request for information we offer the following item by item:

1. We wish to change the name on our license to the more appropriate Heritage Valley Health System.
2. We confirm that Sewickley Valley Hospital will follow the current procedures and license commitments for The Medical Center.
3. We confirm that The Medical Center agrees to accept the licensed facilities of Sewickley Valley Hospital in "as is" condition including acceptance of all licensed sources and any contamination.
4. Please set the possession limit to 1 Ci for 35.300 for the combined license.
5. We confirm that Sewickley Valley Hospital will be limited to the uses currently listed on that license.
6. We do not have any Gd-153 sources at Sewickley Valley Hospital nor do we expect to utilize the patient attenuation correction in the future so please delete any references to Gd-153 for patient attenuation correction from our license. We actually returned the Gd-153 back to North American Scientific, Inc. in September of 2000 (see copy of attached packing list).

136563/136564
NMSS/RGNI MATERIALS-002



Ms. Sandy Gabriel
U.S. Nuclear Regulatory Commission
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7. Likewise, we have no use for 31.11 in the vitro kits and would like this authorization deleted from the combined license.
8. Please maintain the authorization for the use of Novoste intravascular brachytherapy devices on our combined license for use only at The Medical Center. Should we wish to delete authorization for this technology, we will do so under a separate amendment.
9. See number 6 above (deletion of authority to use Gd-153 for patient attenuation sources from combined license).

If you have any questions, please do not hesitate to contact me.

Sincerely,

Terry J. Biss
Vice President of Operations
Heritage Valley Health System

TJB/dmr

Attachment

cc: Mark A. Schnurer, M.D., Medical Staff Radiation Chairperson, The Medical Center
Deborah D. Troy, M.D., Medical Staff Radiation Chairperson, Sewickley Valley Hospital
Mark Perna, Radiation Safety Officer, Heritage Valley Health System
Susan Scherfei, System Director Cardiology

PACKING LIST RETURN SHIPMENT OF SEALED SOURCE(S) TO NASI

Complete all items and make a copy for your records. Call NASI Traffic Dept. at (800) 992-6274 if you require assistance.

Please Note: This packing list authorizes the return of one equivalent radioactive source in exchange for the new one purchased. Disposal of other radiation products is not authorized without prior approval. Failure to comply is a violation of Regulatory Guidelines and applicable agencies will be notified.

In order for your return to be accepted and processed at NASI is important that:

1. the return authorization number (as shown under your address) is written on the outside of the package.
2. this packing list is sealed in the packing list envelope and is on the outside of the package.

Failure to comply with the above will result in your shipment being refused by NASI Traffic Dept.

From: Sewickley Valley Hospital
 720 Blackburn Rd
 Attn: Nuclear Medicine
 Sewickley Valley PA 15143
 Spent Source Return Auth # SRA 1005420

To: North American Scientific, Inc.
 7435 Greenbush Ave
 North Hollywood, Ca. 91605
 Attn: Traffic Department

• RECEIVED •
 SEP 20 2000
 NORTH AMER. SCI

This packing list authorizes the shipment of Gd-153 Line Sources. In order for your return to be processed, it is very important that all the information in the box below is complete and accurate.

Activity of source at shipment: 7.642 total mCi

Manufacturer of source: NAS

Model number: MED3601 Line Source

Serial number(s): E784, E787

Label activity shown on source: 250 mCi

Date shown on source: Sept. 1, 1996

Date last leak tested: Aug. 23, 2000

Method of leak test: wipe test, Other: (check one, if other is checked please explain on other side of this page.) (see attached)

Result less than 50Ci? yes

Certified by: RSO T.R. Navrilla

(Title) (Signature) T.R. NAVRILLA, M.D.
(print name)

Daytime phone #: 412 749-7229 Date: 9-15-00

SEALED SOURCE LEAK TEST DATA

HOSPITAL: Sewickley Valley Hospital

DATE OF LEAK TEST: August 23, 2000

INSTRUMENT USED: CAPINTEC CAPTUS 2000 MULTICHANNEL ANALYZER

TYPE OF PROBE: 3" X 3" WELL TYPE SCINTILLATION PROBE

METHOD: Take a wipe sample from the sealed source or from the surfaces of the device in which the sealed source is mounted or stored on which radioactive contamination might be expected to accumulate. Count sample in scintillation probe.

MINIMUM DETECTABLE ACTIVITY:

$$A_{min} (\mu Ci) = \frac{Std. Activity (\mu Ci)}{Std. CPM} \times 3 \sqrt{\frac{Background CPM}{Time of Counting}}$$

$$\frac{Sample Activity}{\mu Ci} = \frac{Sample CPM - Bkg CPM}{Std. CPM - Bkg CPM} \times Std. Activity (\mu Ci)$$

JMB

High Voltage: 1000 Amp. Coarse Gain: 20 Amp. Fine Gain: 0.6332 Zero Offset: 153
 Threshold: 50 Disc. LLD: 2 Disc. ULD: 255

RSO

Location	Source	Est. Activity (μCi)	Std. Activity (μCi)	Channel Range	Bkg. Count	Std. CPM	A _{min} (μCi)	Gross Sample CPM	Sample Activity (μCi)	Sample Identification Model & S.No.
Nuc Med Hot Lab	Gd-153*	3821	0.0074	36-80	100	16,654	1.3 x 10 ⁻⁵	107	< A _{min}	SPECT Attenuation Linear Source NAS E784
Nuc Med Hot Lab	Gd-153*	3821	0.0074	36-80	100	16,654	1.3 x 10 ⁻⁵	95	0	SPECT Attenuation Linear Source NAS E787

* Co-57 standard used to determine A_{min} for Gd-153 source.

COMMENTS: Detachable Activity is less than 0.005 micro-curie. Sources are considered leak free. No Action is required.

C:\SVH\NUCL\LEAKTST

PHYSICIST: Joseph P. Blotnag