



West Virginia University
RADIATION SAFETY SERVICES

November 1, 2005

US Nuclear Regulatory Commission
Sandra Gabriel, Sr. Health Physicist
Medical Branch, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

K-8

MS-16

Subject: License Amendment

**Re: West Virginia University Hospital
NRC License No. 47-23035-02, Docket 030-20233**

Control# 137502

Dear: Ms. Gabriel

First, I would like to thank you for all your suggestions and recommendations in clarification of licensing issues. This is in reference to our telephone conversation and e-mail dated October 8, 2005 requesting additional information and clarification concerning application for amendment to the license.

1. Regarding Am-241 (30mCi) variable X-ray source, we are doing an extensive investigation to find any records of WVUH having possessed, disposed or transferred particular devices with Am-241 sources. This investigation is still on-going; therefore we are requesting to withdraw the request to delete Am-241 from the license at this time.
2. Item 8.C, 10CFR35.300, 3Ci is an acceptable possession limit.
3. Item 8.D, brachytherapy sources identified in 10CFR35.400 4Ci is acceptable possession limit.
4. Item 8.G, 10CFR31.11, Prepackage kits, 1mCi is acceptable possession limit.
5. Per your request to provide manufacturers/model number for item 7.E and 8.C.
 - a. Item 6.F in License No. 47-23066-02. Ir-192 sealed source was put in the license as an alternative option to Sr-90 in intravascular brachytherapy (IVBT), however the licensee has never acquired Ir-192 sealed source.
 - b. We request to delete Item 6.V in License No. 47-23066-02 Strontium 90/Yttrium-90 from the license. **Enclosed** is document that certifies that last shipment of radioactive source trains (Sr-90) to Novoste Radiation Lab.

Robert C. Byrd Health Sciences Center
West Virginia University
WVU Hospitals

G-139 Health Sciences North
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137502

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NMSS/RGNI MATERIALS-002



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6. For Item 8.H, we request the total possession limit to be 1Ci.
7. Item 7.P of our license refer to Ni-63 for electron capture detector(ECD) in a gas chromatography unit; however, all the Ni-63 foils we possesses, are under the WVU License No 47-23066-01 (Item 6.S)

ECD/Foil	Manufacturer	Model	Serial Number
Ni-63	Varian	M02-001972-00	A11236
Ni-63	Varian	M02-001972-00	A13948
Ni-63	Varian	M02-001972-00	A10623
Ni-63	Hewlet Packard	5880A	S 8097
Ni-63	Hewlet Packard	A-ECD	L7018
Ni-63	Shimadzu/CARLOS ERBA Instruments	SGC14APSF	09760/270269
Ni-63	Varian	00-1972-00	A3443

8. For Item 7.S, the Blood Bank irradiator is a Gammacell 1000-0273. Manufacturer – MDS Nordion Science Advancing Health , Model – C3001

Sincerely,

Nasser Razmianfar
Director & Radiation Safety Officer

Cc: Radiological Safety Committee

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Date: 24 March 2005

To: Nasser Razmiamfar

From: Patricia Blute


Subject: Notification of Receipt of Radioactive Sources

Mr. Razmiamfar,

This email is to acknowledge that the following Radioactive Source Trains were received back into the Novoste Radiation Lab from West Virginia University Hospital in Morgantown, WV on March 21, 2005. Attached you will find copies of the results of the leak tests performed on the sources upon receipt. Please retain a copy of this communication for your records.

*RST ZA655 in 89115
RST ZA441 in 92919*

Patricia Blute
Patricia Blute
Rad Lab Supervisor
Novoste Corporation
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 Novoste Work Instruction	Title: Leak Testing Novoste Source Trains	Document #: RM-WI-0003-14
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ATTACHMENT 1
Leak Test Results

Date of Leak Test: 3/22/05Source Train SN: 2A1055Circle serial number of instrument used: 416400 BC-4 997

BC-4 998 BC-4 1038

Gross: 41 cpmBackground: 46 cpmCounting Efficiency: 98.4 %
$$\text{dpm} = (\text{Gross cpm} - \text{Background cpm}) / (\text{Counting Efficiency}/100)$$
ND dpm ND BqPerformed By: Patricia Blute Date: 3/22/05Reviewed By: Chris Palmer Date: 3/23/05

For Results >2000 dpm or >11,100 dpm (185 Bq) Initiate
D02754 Leak Test Results Notification Form
