Institute For Nuclear Medical Education, Inc. 5660 Airport Blvd., Suite 101, Boulder, Colorado 80301 Phone: (800) 548-4024 · (303) 541-0044 · FAX: (303) 541-0066 Standard OUrgent Total Pages:	S larmp Dalle, Time ànd Sender in Phis An
From: Sandra Nissen To: Bill Reichhold	Date: 8/9/07
FAX Phone: 630.515.1078 Phone: 630.829.9839 Location: L Reference: Close-Out Survey	
Hello Bill, Attached please find response to your request for additional information re Comprehensive Cardiovascular Consultants facility (NRC License 24-3245 South Lindbergh Bivd, Suite 250, St. Louis, MO.	
Please let me know if you need additional information.	
Thank you.	

Sender_

1077INME FAX OFFICE

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NC Systems, Inc. Nuclear Cardiology Systems 5660 Airport Blvd., Suite 101 Boulder, CO 80301

August 8, 2007

Mr. Bill Reichhold U.S. Nuclear Regulatory Commission, Region III 2443 Warrenville Rd, Suite 210 Lisle, IL 60532-4352

Re: <u>Comprehensive Cardiovascular Consultants</u> <u>NRC License 24-32459-01</u> <u>Control No. 316317</u>

Dear Sir,

Per your attached facsimile received this morning, we are providing the additional information you requested to review our request for facility close out at 3844 South Lindbergh Blvd., Suite 250, St. Louis, MO.

- 1. The only "unsealed" sources used at the site were ^{99m}Tc and ²¹⁰Tl. None of these radionuclides were present at close-out. No ¹³¹I in the form of NaI was present in the facility. See the inventory attached.
- 2. The Sealed Source Leak Test and Inventory, dated 6/6/07, (Attachment 2-a), is a copy of the leak test results that were current at the time of the close-out survey for the sealed sources used or stored at the said facility. Attachment 2-b shows additional leak test results performed Oct. 01, 2003, as the only other historical reference data.
- 3. Attachments 3a and 3b provide a sketch of the facility with G-M and wipe test results keyed to the specific locations on the sketch.
- 4. The instrument used to perform the wipe tests is the Atomlab 450.

Please let us know if you need additional information.

Sincerely,

Jandia Nime

Sandra Nissen Licensing Specialist

Encs.

Attac	hmen	t 1
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SEALED SOURCE INVENTORY	
A physician inventory to account for all sealed sources on site has been conducted and the following sealed sources are currently in our inventory:	
Nuclide: C0 ⁵⁷ Model #: Serial #: <u>970-95-11</u>	
Assay Date: 8-1-03 Original Assay Activity: 5, 598 mC	4. 1
Current Activity: <u>4.88 M Cu</u>	
Nuclide: <u>CS137</u> Model #: Serial #: <u>986-47-8</u>	
Assay Date: 8-1-03 Original Assay Activity: 195.70 Ci	
Current Activity: 195 0G	
Nuclide: Ba 133 Model #: Serial #: 988-69-2	
Assay Date: 9-103 Original Assay Activity: 2014 - C	
Current Activity: 262 0 G	
Nuclide: <u>Co 57</u> Model #: <u>UE 5391</u> Serial #: <u>1009-023</u>	
Assay Date: 9-1-03 Original Assay Activity: <u>5mCi</u>	
Current Activity: 4.65 mG	
Nuclide: Model #: Serial #:	
Assay Date: Original Assay Activity:	
Current Activity:	
This inventory was conducted by:	
Date of Inventory: 9/23/03	
Location of Sealed Sources: <u>Hot LAB</u>	
RSO Signature:	

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This sealed source inventory has been conducted in accordance with state 10 CFR 35.59 (g) or equivalent state regulation.

Sealed Source Leak Test and Inventory

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City: Sunset Hills		_State: MO		Zip: 63127	
License #:	Jelephone:				
	Sample Identification / Analysis				
Source	1	2	3	4	
Nuclide	Co-57	Co-57	<u>133-Ba</u>	137-Cs	
Mfg_	IPL			IPL	
Model	FLOOD	REF	REF	REF	
Serial _	1009-023	970-95-11	988-69-2	986-47-8	
Assay Date _	1 Sep 2003	1 Aug2003	1 Sep 2003	1 Aug200	
Activity _	5 0 mCi	5.59 mCi	262.4 uCi	195.7 uC	
Current					
Activity _	0.14 mCi	0.15 mCi	205.3 uCi	179.0 uCi	
Location _	HL	H.L	H.L	H.L	
Use _	Camera	D.C.	D.Ç.	D.C.	
Nipe					
Date _	6/1/07	6/1/07	6/1/07	6/1/07	
Ву	AG	AG	AG	AG	
ssay					
Date	6/6/07	5/6/07	<u>6/</u> 6/07	6/6/07	
"LCi	8,4448-05	1.919e-05	-1.5350-05	-7.185e-06	
LD					
μCi	2.355e-05	2.355-05	2.886-05	1.487 e -05	
nalysis					
<0.005µCi	<u>x</u>	×	×	×	
>0.005µCi					
ext Leak Test Due:(eve			bry Due:(every 3	mo.) 9/6/07	
omments/Actions: R					
ssay Performed By:	Peter	Schiffhauer	Date:	6/6/07	
SO Signature:					
24.ml -		sed Leak Test			

Attachment 2

Attacnment 2-b

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City: Sun	set Hills		250		
License	#:24-32459-	01 7	dusus: <u></u> Telephone:	Zip: <u>63127</u>	
			Semple ident	fication / Analys	
Source		1	2	3	614 5
	Nuclide	Co057	<u> </u>	-	R #.122
			1009-023		
	Assay Date _	Aug-01-2003	Sec-01-2003		
			<u>5 mCi</u>		262.4 uCi
Current					
	Activity_	4.788 mCi	4.630 mC!	<u>194.9 uC</u>	261.0 uCt
	Location _	<u> </u>		HL	HL
		DC	Camera	DC	DC
Wipe					
	Date	Sep-23-2003	<u>Sep-23-2003</u>	Sep-23-2003	
	By	Alan Ganter	Alan Ganter	Alan Ganter	Alan Ganter
Assay					
	Date	Oct-01-2003	Oct-01-2003	Oct-01-2003	Oct-01-2003
		0.00205		-0.0009525	
LLD					
• • ·	μC:	0.002708	0.002708	0.001738	0.003528
Analysia					
		X	X	¥	<u>X</u>
	0.005µCl	- (200 - 1)			
ommenta//	Actions:	6 Maine	JSED	vDue:(every 3)	mo.) <u>Dec/2003</u>
		Thom		Date: Oc	t-01-2003
SO Signat	ure:			Date:	

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Attachment 3-a

Comprehensive Cardiovascular Consultants, Inc. Decommissioning Survey of site: 3844 S. Lindbergh Blvd, Suite 250, Sunset Hills, MO 63127 May 29, 2007 at 14:30 by: A. Ganter, NC Systems, Inc.

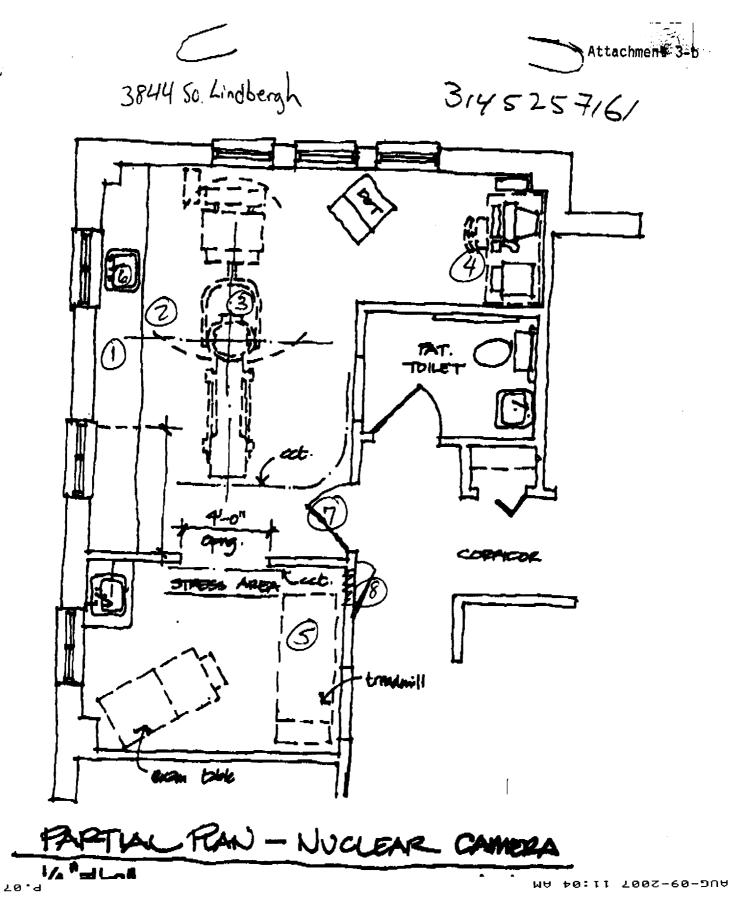
Survey Instrument: Ludium 14-C, s/n: 192079, Cal date 5/7/07 Probe: side wall GM, s/n: PR 200232 Background reading: 0.02 mR/hr

Surveys and Wipe locations:	Survey reading*	
/ Hot Lab Counter	0.02 mR/hr	
2 Hot Lab Floor	0.02 mR/hr	
2 Camera Area	0.02 mR/hr	
Computer Area	0.02 mR/hr	
C Treadmill Area	0.02 mR/hr	
🛴 Hot Lab Sink	0.02 mR/hr	
Imaging Room Door	0.02 mR/hr	
8 Stress Lab Door	0.02 mR/hr	

*See separate report for results of Wipe tests.

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No signs or placards were present, and the suite was devoid of furniture and free standing cabinetry. No equipment or accessory items were present. The suite was locked. The last date of Radioactive Material use was Tuesday, May 15, 2007. The last use of 201 Tl at this facility was 8/15/06. All sealed sources were transferred to the new site address on May 29, 2007 by Raffi K Krikorian, M.D.



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USNRC RIII

PAGE 01/02

	UNITED STATES NUCLEAR REGULATORY COMMISSION REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, ILLINOIS 605/22-4352			
	TELEFAX TF	RANSMITTAL		
DATE:	August 8, 2007	NUMBER OF PAGES: (Including this page)	2	
SEND TO	: Callie Pratt (NC System	ns, Inc.)		
LOCATIO	32459-01) St. Louis, Misso	Cardiovascular Consultants (NRC url- Close Out Burvey for the "std" argh, Bivd., Suite 250, St. Louis, M	'facility	
FAX NUN	BER: (303) 541-0066	SENDER	10	
FROM: (Sender) B	ill Reichhold			
TELEPHO	NE NUMBER (630) 829-98	39 FAX NUMBER (630)	515-1078	
-	t receive the complete fax tra saible at the telephone numbe	• • • • • • •	ender as	
MESSAGE	E			
Please see	accompanying documents	3,		
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The following additional information is needed to review your request.

- -CHR. Please submit a history of radionuclides used or stored at your "old" facility 1. located at 3844 South Lindbergh, Blvd., Suite 250, St. Louis, Missouri. For example, unscaled radioactive materials technetium-99m pertechnetate, jodine-131 sodium iodide, sealed sources cestum-137, 200 microcuries and barium-133, 100 microcuries, for dose calibrator calibration, etc.
- 2. Please submit a copy of the leak test results that were current at the time of the close-out survey for the sealed sources used or stored at your "old" facility located at 3844 South Lindbergh, Blvd., Suite 250, St. Louis, Missouri. Also, please submit a history of leaking sealed sources. If there was no history of leaking sealed sources, please state so.
- 3. Please submit a sketch of the "old" facility located at 3844 South Lindbergh, Blvd., Suite 250, St. Louis, Missourl, with the G-M survey and wipe test results keyed to specific locations on the sketch.
- 4. Please submit the name and model number of the instrument used to perform the analysis of the wipe tests.

Please send a facsimile of your response to the above within 7 days and refer to control 316317. Please call me at 630-829-9839 if you have any questions.

From the dusk of Bill Received on bol RHRILLI