

**VCS VIRGINIA
CARDIOVASCULAR
SPECIALISTS**

December 27, 2004

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**Ms. Farrah Gaskins
Nuclear Regulatory Commission
Materials Licensing/Inspection Branch I
475 Allendale Road
King of Prussia, PA 19406**

RE: Materials License #45-25406-01 Mail Control No. 135874

Dear Ms. Gaskins:

03034544

This letter is in reply to the deficiency letter dated December 14, 2004 requesting additional information. Enclosed are the final surveys for radiation levels and final wipe tests for removable contamination done at our facility at 7605 Forest Avenue, Suite 303, Richmond, Virginia.

The survey instrument used is a Bicron Surveyor 2000, PGM Pancake Probe with a sensitivity range of 0.1 to 1000.

If there are any questions related to this request, please feel free to contact Dr. Yvonne J. Weaver at 804-323-5011.

Sincerely,

Yvonne J. Weaver MD
**Yvonne J. Weaver, MD
Radiation Safety Officer**

135874

NMSS/RGNI MATERIALS-002

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Survey Meter:

Kicron ± 1 or ± 2

(All readings are in mK/nr)

2004

Survey Locations/Trigger Levels

Date	Day	Inst. BKG	0.5 0.5 0.5 0.5 0.5 0.5 0.5 .5 .5 .5 .5											Initials	Comments
			1	2	3	4	5	6	7	8	9	10	11		
May, 20	Thu	.01	.09	.17	.05	.13	.02	.02	.01	.02	.01	.03	.01	OUT	
May, 21	Fri	.02	.06	.10	.08	.04	.03	.05	.02	.02	.03	.03	.03	OUT	
May, 22	Sat														
May, 23	Sun														
May, 24	Mon	.12	.15	.09	.05	.04	.03	.04	.03	.03	.02	.03	.03	OUT	
May, 25	Tue	.10	.05	.17	.04	.02	.01	.02	.01	.04	.12	.02	.01	OUT	
May, 26	Wen	.10	.06	.13	.04	.13	.03	.04	.03	.03	.04	.05	.03	OUT	Weekly Surveys Due
May, 27	Thu	.10	.03	.08	.05	.04	.03	.02	.04	.02	.03	.02	.02	OUT	
May, 28	Fri	0.07	0.03	0.04	0.05	0.02	0.02	0.03	0.02	0.04	0.07	0.05	0.04	1229	
May, 29	Sat														
May, 30	Sun														
May, 31	Mon		Holiday - Closed												
Jun, 1	Tue	.10	.13	.12	.03	.03	.02	.02	.02	.02	.03	.03	.02	OUT	
Jun, 2	Wen	.10	.11	.10	.05	.03	.02	.04	.02	.03	.03	.03	.03	OUT	Weekly Surveys Due
Jun, 3	Thu	.10	.06	.06	.10	.03	.04	.03	.02	.02	.03	.04	.04	ED	
Jun, 4	Fri	.10	.08	.09	.10	.04	.04	.04	.04	.04	.05	.04	.04	ED	
Jun, 5	Sat														
Jun, 6	Sun		.03	.03	.02	.02	.02	.03	.03					DS-00	Harold L.B. - Jun 7, 2004
Jun, 7	Mon	.10	.08	.10	.10	.04	.04	.04	.03	.03	.04	.04	.04	ED	
Jun, 8	Tue	.10	.04	.09	.09	.05	.05	.05	.05	.02	.03	.04	.05	ED	
Jun, 9	Wen	0.05	0.03	0.04	0.02	0.05	0.02	0.03	0.02	0.02	0.07	0.02	0.03	1229	Weekly Surveys Due
Jun, 10	Thu	.04	.08	.08	.03	.02	.01	.01	.01	.02	.04	.02	.04	HC/ED	
Jun, 11	Fri	0.05	0.03	0.07	0.03	0.04	0.02	0.05	0.02	0.03	0.06	0.03	0.02		
Jun, 12	Sat														
Jun, 13	Sun														
Jun, 14	Mon	.10	.05	.06	.04	.04	.04	.03	.03	.02	.03	.03	.02	ED	
Jun, 15	Tue	.10	.05	.06	.10	.04	.04	.02	.03	.03	.04	.03	.05	ED/HC	
Jun, 16	Wen	.10	.08	.12	.04	.03	.04	.02	.03	.04	.03	.02	.02	OUT	Weekly Surveys Due
Jun, 17	Thu	.10	.05	.10	.04	.02	.02	.03	.02	.02	.03	.02	.02	OUT	
Jun, 18	Fri	.10	.02	.04	.03	.03	.03	.01	.01	.04	.05	.04	.03	ED/NLO	
Jun, 19	Sat														
Jun, 20	Sun														
Jun, 21	Mon	.10	.07	.09	.10	.05	.04	.04	.04	.04	.04	.04	.03	ED	
Jun, 22	Tue	.10	.05	.08	.05	.03	.02	.02	.02	.02	.02	.03	.02	OUT	
Jun, 23	Wen	.10	.09	.10	.08	.03	.03	.04	.03	.04	.03	.03	.03	HC	Weekly Surveys Due

Notify RSO if Trigger Level Exceeded

Weekly Exposure Surveys 2004

All Reading Are In mR/hr

Survey Locations/Trigger Levels

Notify RSO if trigger level is exceeded.

Survey Meter Used

Bicron #1 cr #2

Date	Inst. BKG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Initials	Comments	
Jan, 7	.01	.03	.03	.02	.02	.02	.02	.07	.07	.08	.01												PLA	
Jan, 14	.02	.09	.05	.03	.03	.02	.03	.09	.08	.06	.02												PLA	
Jan, 20	.02	.04	.03	.02	.02	.02	.02	.04	.04	.04	.02												PLA	
Jan, 28	.02	.06	.05	.02	.03	.03	.02	.05	.06	.06	.02												PLA	
Feb, 3	.03	.03	.02	.03	.03	.03	.02	.04	.04	.07	.02												ED	
Feb, 10	.03	.05	.05	.04	.03	.03	.03	.20	.14	.12	.03												ED	
Feb, 18	.03	.06	.05	.03	.14	.02	.02	.04	.04	.04	.02												ED	
Feb, 25	.03	.08	.06	.03	.04	.03	.02	.18	.09	.20	.02												HC	
Mar, 3	.02	.04	.03	.02	.02	.02	.02	.06	.06	.07	.02												PLA	
Mar, 10	.02	.05	.03	.02	.04	.02	.03	.06	.06	.06	.02												PLA	
Mar, 17	.02	.05	.03	.03	.02	.02	.02	.04	.04	.04	.02												PLA	
Mar, 23	.03	.05	.04	.03	.03	.02	.02	.05	.05	.04	.02												ED	
Mar, 31	.03	.05	.04	.03	.03	.03	.02	.04	.03	.05	.02												ED	
Apr, 8	.03	.09	.08	.04	.05	.03	.02	.08	.09	.08	.02												HC	
Apr, 14	.02	.10	.08	.12	.03	.02	.02	.02	.02	.03	.02	.02	.03	.03	.03	.02	.07	.07	.08				PLA	
Apr, 20	.03	.12	.08	.05	.02	.02	.03	.02	.02	.02	.02	.02	.04	.03	.03	.02	.08	.08	.09				PLA	
Apr, 28	.04	.08	.08	.07	.04	.03	.03	.02	.02	.03	.03	.03	.05	.05	.03	.04	.30	.40	.04				ED	
May, 4	.02	.06	.06	.06	.04	.03	.02	.02	.02	.02	.02	.02	.04	.03	.03	.03	.05	.06	.12				PLA	
May, 12	.02	.09	.10	.12	.03	.03	.02	.02	.02	.03	.02	.03	.07	.03	.05	.02	.08	.08	.09				PLA	
May, 19	.01	.05	.10	.04	.03	.03	.04	.02	.03	.02	.02	.02	.02	.01	.5m	.01	.09	.07	.15				PLA	*see spill report
May, 26	.01	.04	.13	.04	.03	.03	.04	.03	.03	.04	.05	.03	.03	.02	.02	.03	.03	.03	.08				PLA	
Jun, 2	.02	.07	.06	.05	.03	.02	.04	.02	.03	.03	.03	.03	.04	.03	.05	.02	.04	.04	.09				PLA	*see spill report
Jun, 10	.04	.08	.08	.03	.02	.01	.01	.01	.02	.04	.02	.04	.05	.04	.03	.02	.05	.05	.04				PLA	
Jun, 16	.02	.05	.10	.04	.02	.02	.03	.02	.02	.03	.02	.02	.04	.03	.03	.02	.02	.05	.05				PLA	
Jun, 22	.02	.08	.08	.03	.03	.02	.02	.02	.02	.02	.03	.02	.05	.04	.05	.02	.05	.07	.04				PLA	*change PLA
Jun, 30	.02	.07	.08	.04	.03	.02	.03	.02	.02	.03	.02	.03	.03	.02	.02	.02	.02	.01	.08				PLA/ED	

June 7, 04
61011110
Nuc Lab

The RSO must be notified immediately if trigger levels are exceeded. A spill report must be completed if a spill has occurred.

DS - Old Enrico Nuc
Dept.

Jun 30, 2004 16:00 60 sec
BACKGROUND 1105. \pm 33. cpm

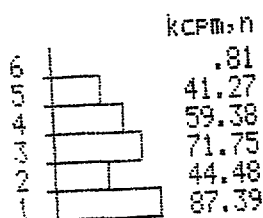
CAPRAC REV 2.01 SN: 000775
Jun 30, 2004 16:00 20 sec

TEST

Ca137 Standards: 443.7 nCi
Measured as: 446.8 nCi
Deviation: 0.7 %

Energy Deviations: -0.1 %

Ch1 / (Ch4+Ch5): 0.90
Measured as: 0.87
Deviation: -3.5 %



BACKGROUND: 1105. cpm
CH 6: 203.0 cpm
CH 5: 90.0 cpm
CH 4: 239.0 cpm
CH 3: 283.0 cpm
CH 2: 153.0 cpm
CH 1: 137.0 cpm

TRIGGER LEVELS

WIPE: 2000.0 dpm
UNRESTRICTED: 200.0 dpm
SEALED SOURCE: 5.0 nCi
BACKGROUND: 2000.0 cpm

Gain Reference #: 065

*Closing
Supplies
Henrico Lab*

Jun 30, 2004 16:02 60 sec
W-01 -40.00 \pm 46.58 cpm, net
CF: 2.70 -105.3 \pm 122.6 dpm
TC99m -21.84 \pm 32.42 dpm
TL201 -24.18 \pm 35.89 dpm

Jun 30, 2004 16:05 60 sec
W-02 42.00 \pm 47.46 cpm, net
CF: 2.70 110.6 \pm 124.9 dpm
TC99m -13.65 \pm 32.59 dpm
TL201 -15.11 \pm 36.08 dpm

Jun 30, 2004 16:07 60 sec
W-03 -41.00 \pm 46.57 cpm, net
CF: 2.70 -107.9 \pm 122.6 dpm
TC99m -28.67 \pm 32.27 dpm
TL201 -31.74 \pm 35.73 dpm

Jun 30, 2004 16:08 60 sec
W-04 -60.00 \pm 46.37 cpm, net
CF: 2.70 -158.0 \pm 122.1 dpm
TC99m -36.86 \pm 32.10 dpm
TL201 -40.80 \pm 35.54 dpm

Jun 30, 2004 16:09 60 sec
~~W-05~~ 21.00 \pm 47.23 cpm, net
CF: 2.70 55.3 \pm 124.3 dpm
TC99m 57.33 \pm 34.04 dpm
TL201 63.47 \pm 37.69 dpm

Jun 30, 2004 16:10 60 sec
~~W-06~~ -67.00 \pm 46.29 cpm, net
CF: 2.70 -176.4 \pm 121.9 dpm
TC99m -34.13 \pm 32.16 dpm
TL201 -37.78 \pm 35.60 dpm

Jun 30, 2004 16:12 60 sec
W-07 -25.00 \pm 46.74 cpm, net
CF: 2.70 -65.8 \pm 123.1 dpm
TC99m -4.10 \pm 32.79 dpm
TL201 -4.53 \pm 36.30 dpm

Jun 30, 2004 16:13 60 sec
W-08 19.00 \pm 47.21 cpm, net
CF: 2.70 50.0 \pm 124.3 dpm
TC99m -12.29 \pm 32.62 dpm
TL201 -13.60 \pm 36.11 dpm

W-09	11.00	147.13	cpm, net
CF: 2.70	29.0	±124.1	dpm
TC99m	- 9.56	±32.67	dpm
TL201	-10.58	±36.18	dpm

Jun 30, 2004	16:16	60	sec
W-10	89.00	±47.89	cpm, net
CF: 2.70	218.5	±126.1	dpm
TC99m	21.84	±33.32	dpm
TL201	24.18	±36.89	dpm

Jun 30, 2004	16:17	60	sec
W-11	-34.00	±46.65	cpm, net
CF: 2.70	- 89.5	±122.8	dpm
TC99m	-75.07	±31.28	dpm
TL201	-83.12	±34.63	dpm

Jun 30, 2004	16:19	60	sec
W-12	- 4.00	±46.97	cpm, net
CF: 2.70	- 10.5	±123.6	dpm
TC99m	- 6.83	±32.73	dpm
TL201	- 7.56	±36.24	dpm

Jun 30, 2004	16:20	60	sec
W-13	- 9.00	±46.91	cpm, net
CF: 2.70	- 23.7	±123.5	dpm
TC99m	2.73	±32.93	dpm
TL201	3.02	±36.46	dpm