

Chesebrough-Pond's USA Co.

RESEARCH LABORATORIES

TRUMBULL CORPORATE PARK, TRUMBULL, CONNECTICUT 06611

January 25, 1994

Betsy Ullrich  
US Nuclear Regulatory Commission,  
Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

Dear Ms. Ullrich:

As per our phone convers n, I am sending you the latest survey results persuant t he close-out of our license #06-11518-01.

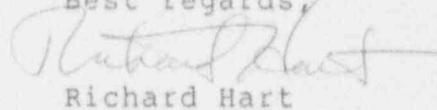
The first item is the Scintillation Counter printout from the Aug 1993 area survey. After this time the counter was prepared by Beckman Instruments for transport. The DPMs represent alcohol and water swipes in the following sequence: Background (1), Water Control(1), Users Urine Sample (1), Bench(2), Sink(2), Floor by Sink(2), Floor by Door (2) and Scintillation Counter (2). These surveys were done monthly since the inception of the license.

The second item is the latest results from our dosimetry badge measurements also conducted monthly since the inception of the license and terminated November, 1993.

No radioactive materials have been received since August 1991 and no work has been done since that time.

If you have any questions please call me at (203)381-4189.

Best regards,

  
Richard Hart

9403310049 940307  
PDR ADOCK 03003825  
PDR  
C

FEB - 1 1994

TRUMBULL R&D

RADIOISOTOPE OPERATIONS MANUAL

---

5.4 Radiation protection Program  
(cont'd)

5.4.1 Monthly Work Area Survey

Monthly swipe surveys are performed in all areas where radioactive materials are used or stored. Filter paper swipes, using both water and alcohol as solvents, are taken off work areas and equipment. These are placed in scintillation vials, a scintillation cocktail is added and the samples are counted in a liquid scintillation counter. Areas which show greater than 10X background are cleaned and re-swiped to insure that proper decontamination has been carried out.

5.4.2 Monthly Radiation Bioassay

Routine (monthly) urine samples are required from all people using radioisotopes.

CALIBRATION SUCCESSFUL

MON 12 JUL 1993 07:20

USER: 1 ID:SL DPM STD PRESET TIME: 1.00 MON 12 JUL 1993 07:20  
 SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N  
 H#: 1 ADD:N QCF:N RCM:N  
 CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0  
 CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0  
 CHANNEL 3-LL: 0 UL: 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

SINGLE LABEL DPM SET UP ON 10 APR 1990 14:20

UNKNOWN ID:DC UNKNOWN REPLICATES: 1  
 UNKNOWN NORM FACTOR IS01:D 1.00000  
 UNKNOWN UNITS IS01:DPM  
 UNKNOWN HALF LIFE CORRECTION:N  
 INDIVIDUAL UNKNOWN NORM FACTORS:N BACKGROUND QUENCH CURVES:N  
 STANDARD ID:DC QUENCH LIMITS LOW:6,000 HIGH:304,0  
 HALF LIFE(DAYS): IS01:N  
 STANDARD DPM IS01: 152426.0

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG	HHR	ERR
1	1-	1	49.00	28.57	1.00	1.38	90.0		
		2	70.00	23.90					
		3	84.00	21.82					
		IS01 XEFF CH1:	36.52				IS01 DPM	:154.1740	
2	1-	2	39.00	32.03	1.00	2.87	109.0		
		2	66.00	24.62					
		3	84.00	21.82					
		IS01 XEFF CH1:	42.59				IS01 DPM	:91.57417	
3	1-	3	123.00	18.03	1.00	4.38	132.0		
		2	148.00	16.44					
		3	164.00	15.82					
		IS01 XEFF CH1:	49.58				IS01 DPM	:248.0800	
4	1-	4	43.00	30.50	1.00	5.87	99.0		
		2	74.00	23.25					
		3	92.00	20.85					
		IS01 XEFF CH1:	39.33				IS01 DPM	:109.3436	
5	1-	5	54.00	27.22	1.00	7.34	95.0		
		2	74.00	23.25					
		3	96.00	20.41					
		IS01 XEFF CH1:	38.05				IS01 DPM	:141.9122	
6	1-	6	47.00	29.17	1.00	8.82	101.0		
		2	62.00	25.40					
		3	90.00	21.08					
		IS01 XEFF CH1:	39.97				IS01 DPM	:117.5785	
7	1-	7	41.00	31.23	1.00	10.31	90.0		
		2	51.00	28.01					
		3	69.00	24.08					

PAGE: 2

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG	H#	ERR
8	1- 8	1	38.00	32.44	1.00	11.80	93.0		
		2	68.00	24.25					
		3	89.00	21.20					
			1501 ZEFF CH1:37.43						1501 DPM : 101,5237
9	1- 9	1	55.00	26.97	1.00	13.28	92.0		
		2	69.00	24.08					
		3	88.00	21.32					
			1501 ZEFF CH1:37.12						1501 DPM : 148,1551
10	1-10	1	47.00	29.17	1.00	14.76	97.0		
		2	67.00	24.43					
		3	86.00	21.57					
			1501 ZEFF CH1:38.68						1501 DPM : 121,4952
11	1-11	1	46.00	29.49	1.00	16.24	95.0		
		2	62.00	25.40					
		3	86.00	21.57					
			1501 ZEFF CH1:38.05						1501 DPM : 120,8881
12	1-12	1	40.00	31.62	1.00	17.73	93.0		
		2	63.00	25.20					
		3	78.00	22.65					
			1501 ZEFF CH1:37.43						1501 DPM : 106,8670
13	2- 1	1	51.00	28.01	1.00	19.27	95.0		
		2	75.00	23.09					
		3	92.00	20.85					
			1501 ZEFF CH1:38.05						1501 DPM : 134,0282

