

Radiological Survey Sheet

Job Location PGRD 118/215 Page 1 of 7

Survey Purpose Decommissioning (hood) Date 4/1/04 ~~4/22/03~~

Performed By Pam Jones (Print) Pam Jones (Sign)

Inst.(1) (Model/SN) Beckman LS 6000 #7060743	Inst.(2) Ludlum 2241-2 (Model/SN) #163603	Inst.(3) (Model/SN)
Det. Internal (Model/SN)	Det. Ludlum 43-68 (Model/SN) #PR149613	Det. (Model/SN)
Eff. See LSC Printout	Eff. ≈ 8% C14	Eff.
Type rad. β	Type rad. β	Type rad.
Bkgd. See LSC Printout	Bkgd. 300 cpm	Bkgd.
Cal. Due: 3/27/04	Cal. Due: 4/9/04	Cal. due

No.	Time	Location	Inst. Used	Total Activity (cpm/100 cm ²)
1.	0800	(long) white piece front left	1	See attached LSC Printout
2.		front right	1	
3.		rear left	1	
4.		rear right	1	
5.		small square piece	1	
6.		long piece from hood-back	1	
7.			1	✓ (See # 119-32)
8.			1	✓
9.			1	✓
10.			1	✓
11.			1	✓
12.		long piece fr. hood-front	1	
13.			1	
14.			1	
15.			1	
16.			1	
17.		plug line	1	
18.			1	

Radiological Survey Continuation Sheet

Page 2 of 7
 Date 4/11/03 ~~4/12/03~~

No.	Time	Location	Inst. Used	Total Activity (cpm/100 cm ²)	
19		post decim # 7-11 (long wh. piece)	1	See attached LSC Printout	
20			1		
21			1		
22			1		
23			1		
24			1		
25			1		
26			1		
27			1		
28			1		
29			1		
30			1		
31			1		
32			↓	1	
4/22/03 33	1000		BACK TOP OF Hood (L)	1	
34			Left Duct	1	√ (See # 48)
35			Right Duct	1	
36			BACK TOP OF Hood (R)	1	√ (See # 45)
37			POST Decim (P.D.) ^{LEFT} BACK TOP (L)	1	
38			P.D. TOP LEFT BOTTOM	1	
39			P.D. BACK TOP (L)	1	
40			P.D. BACK BOTTOM (L)	1	
41			P.D. BACK TOP (C)	1	
42			P.D. BACK BOTTOM (C)	1	√ (See # 52)
43			P.D. BACK TOP (R)	1	
44			P.D. BACK BOTTOM (R)	1	
45			P.D. Right TOP	1	
46	↓		P.D. Right BOTTOM	1	√

ID: DEFAULT VALUES

USER: 8 COMMENT:
 PRESET TIME : 1.00
 DATA CALC : DL DPM H# : YES SAMPLE REPEATS: 1 PRINTER : EDI
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 : EDI
 TWO PHASE : NO AQC : YES CYCLE REPEATS : 1
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.0000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 13.688 High: 306.34

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %	
B1	81.0	18.00	8.00	35.00	34.71	10.42	8.71	
		Blank Average	DPM	for	3H :	34.71	COEF. OF VAR:	0.000
		Blank Average	DPM	for	14C :	10.42	COEF. OF VAR:	0.000
1	86.4	17.00	7.00	32.00	-0.73	-1.31	5.83	
2	81.2	12.00	8.00	41.00	-12.94	0.10	3.59	
3	88.4	16.00	15.00	41.00	-7.00	9.49	4.13	
4	85.0	13.00	14.00	38.00	-13.54	8.17	3.97	
5	80.9	9.00	14.00	34.00	-22.59	8.20	4.62	
6	90.2	25.00	21.00	53.00	10.33	17.43	3.77	
7	97.5	200.00	157.00	364.00	346.12	198.31	0.92	
8	95.3	143.00	160.00	317.00	207.11	203.20	1.51	
9	97.0	137.00	94.00	243.00	233.20	114.20	1.91	
10	89.2	34.00	30.00	78.00	25.44	29.38	2.07	
11	89.9	42.00	32.00	87.00	42.64	31.95	1.96	
12	86.8	9.00	6.00	27.00	-17.92	-2.51	5.07	
13	82.4	14.00	11.00	35.00	-10.05	4.10	3.77	
14	83.2	21.00	8.00	38.00	6.94	-0.04	4.41	
15	83.1	15.00	12.00	34.00	-8.30	5.43	3.36	
16	85.6	18.00	13.00	34.00	-1.89	6.74	3.66	
17	103.1	27.00	18.00	53.00	20.23	13.49	4.88	
18	102.2	12.00	14.00	35.00	-13.99	8.34	10.93	

ID: WIPES

USER: 5 COMMENT: WIPES

PRESET TIME : 1.00
 DATA CALC : DL DPM H# : YES SAMPLE REPEATS: 1 PRINTER : EDI
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 : EDI
 TWO PHASE : NO AQC : YES CYCLE REPEATS : 1
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.0000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 13.688 High: 306.34

SAM NO	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM		
B1	17.00	5.00	36.00	33.94	6.42		
	Blank Average		DPM for	3H :	33.94	COEF. OF VAR:	0.000
	Blank Average		DPM for	14C :	6.42	COEF. OF VAR:	0.000
19	25.00	8.00	49.00	15.22	3.88		
20	19.00	15.00	46.00	-0.88	13.37		
21	12.00	16.00	40.00	-16.43	14.83		
22	11.00	10.00	34.00	-15.34	6.81		
23	19.00	11.00	40.00	1.71	8.03		
24	18.00	6.00	37.00	1.81	1.33		
25	18.00	5.00	37.00	2.02	-0.02		
26	16.00	10.00	40.00	-4.76	6.72		
27	17.00	14.00	41.00	-4.51	12.07		
28	14.00	10.00	37.00	-8.82	6.76		
29	13.00	11.00	31.00	-11.32	8.13		
30	24.00	23.00	57.00	6.16	24.04		
31	13.00	18.00	42.00	-14.76	17.57		
32	15.00	14.00	38.00	-8.38	12.14		

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ID: WIPES

22 APR 2003 10:37

USER: 1 COMMENT: WIPES
 PRESET TIME : 1.00
 DATA CALC : DL DPM H# : YES SAMPLE REPEATS: 1 PRINTER : EDIT
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 : EDIT
 TWO PHASE : NO AQC : YES CYCLE REPEATS : 1
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.0000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 13.688 High: 306.34

SAM NO	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM		
B1	12.00	9.00	35.00	20.73	11.84		
	Blank	Average	DPM for	3H :	20.73	COEF. OF VAR:	0.000
	Blank	Average	DPM for	14C :	11.84	COEF. OF VAR:	0.000

33	29.00	19.00	63.00	48.29	13.67
34	127.00	88.00	226.00	274.18	106.40
35	18.00	22.00	47.00	10.16	17.70
36	79.00	22.00	109.00	152.60	16.45
37	13.00	13.00	39.00	0.63	5.38
38	23.00	27.00	62.00	15.29	24.02
39	18.00	10.00	37.00	12.23	1.24
40	44.00	30.00	80.00	57.59	27.60
41	16.00	10.00	39.00	8.64	1.30
42	88.00	102.00	201.00	115.18	123.36
43	16.00	3.00	32.00	11.64	-8.09
44	20.00	20.00	47.00	11.78	14.62
45	18.00	9.00	38.00	13.29	-0.08
46	20.00	22.00	54.00	10.82	17.31
47	19.00	13.00	46.00	13.81	5.29
48	15.00	10.00	35.00	6.30	1.31
49	12.00	16.00	36.00	-2.99	9.44
50	12.00	5.00	25.00	2.71	-5.33
51	9.00	13.00	34.00	-8.20	5.42
52	18.00	20.00	50.00	7.65	14.67
53	26.00	31.00	67.00	18.70	29.23
54	15.00	11.00	33.00	5.34	2.63
55	15.00	8.00	36.00	7.22	-1.37

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22 APR 2003 13:41

ID: WIPES

USER: 1

COMMENT: WIPES

PRESET TIME : 1.00
 DATA CALC : DL DPM H# : YES SAMPLE REPEATS: 1 PRINTER : EDIT
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 : EDIT
 TWO PHASE : NO AGC : YES CYCLE REPEATS : 1
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0
 WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.0000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 13.688 High: 306.34

SAM NO	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM		
B1	6.00	10.00	29.00	7.86	13.33		
	Blank Average		DFM for	3H :	7.86	COEF. OF VAR:	0.000
	Blank Average		DFM for	14C :	13.33	COEF. OF VAR:	0.000
5b	21.00	14.00	49.00	30.26	5.09		