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Laboratories

August 20, 2007

Nuclear Regulatory Commission
Materials Licensing Branch
US Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

ATTN: Bill Snell

RE: Additional Information Requested for License Amendment Request – License No. 24-13365-01, Amendment 30

Gentlemen:

Attached is the additional information requested in regards to the Amendment 30 application for License No. 24-13365-01.

SCHecht

S. C. Hecht
Director, Safety and Environmental Health

Sheila Hecht

From: George McCann [GMM@nrc.gov]
Sent: Tuesday, July 24, 2007 9:20 AM
To: Sheila Hecht
Cc: gmccann1@ameritech.net; William Snell
Subject: RELEASEE OF FORMER STORAGE BUILDING

Good morning:

I just left you a phone message and I keep getting hangups, so either I am calling the wrong number or I have your number wrong. Regardless, I am calling for Bill Snell. Bill has been assigned to review your request for the release of the old storage garage. Since we have to do a Federal Register Notice for the release of this building, we need your amendment request to be more descriptive.

You need to give a general physical description of the building, what types of material would have been used and stored there.

Bill also had the following comments.

Mike,

If you call ABC Labs before Wednesday, tell them the following:

1) They provide data sets M1-M33 and N1-N33 for the Mechanical Room, but no room diagrams to show what the data is for.

2) The liquid scintillation computer printouts for Rooms 601, 602, 603 and the Entrance Room are all so light they are unreadable. We need copies we can read.

Thanks
Bill

Give me a call 630 829 9856. Bill is out of the office until Wednesday morning. He leaves that afternoon for vacation, so if you could get back to me or Bill before he leaves that would be great. We want to tyr and get your action done.

Thanks

Mike

1. You need to give a general physical description of the building, what types of material would have been used and stored there.

Response:

Building C

This is a wooded frame building on a concrete slab which was converted to a metal sided building. The building was constructed in 1976 and was used for animal studies mainly using C-14 or H-3 tagged materials.

Building G

This is a wooden frame building with a steel roof on a concrete slab constructed in 1980. The building was used to store mainly C-14 or H-3 radioactive waste in preparation for disposal.

2. They provided data sets M1-M33 and N1-N33 for the Mechanical Room, but no room diagrams to show what the data is for.

Response:

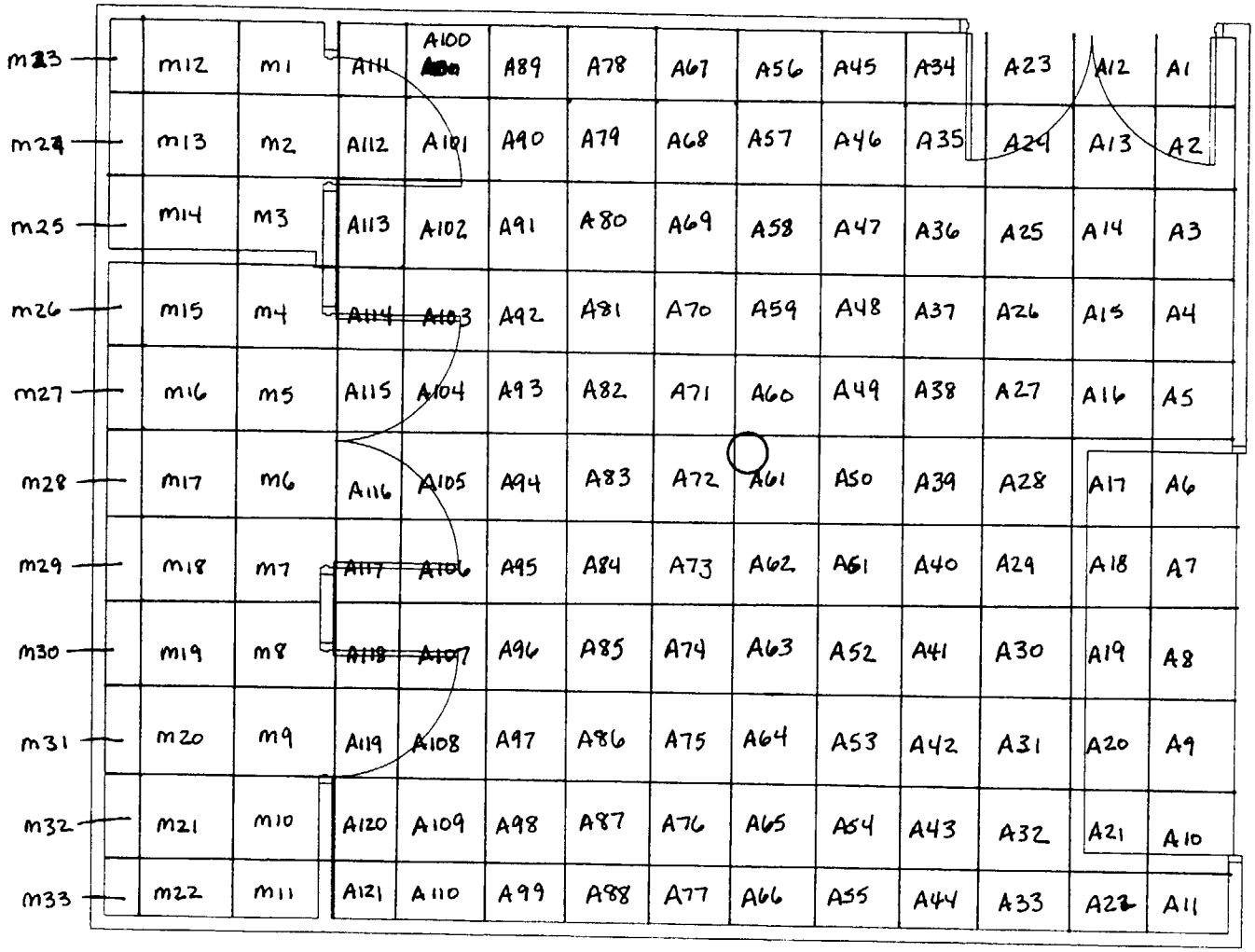
Please see Attachment (2). The mechanical Room is attached to the east end of the Wash Area.

3. The liquid scintillation computer printouts for Rooms 601, 602, 603, and the Entrance Room are all so light they are unreadable. We need copies we can read.

Response:

Please see attachment (3).

uilding C ;h Area Floor



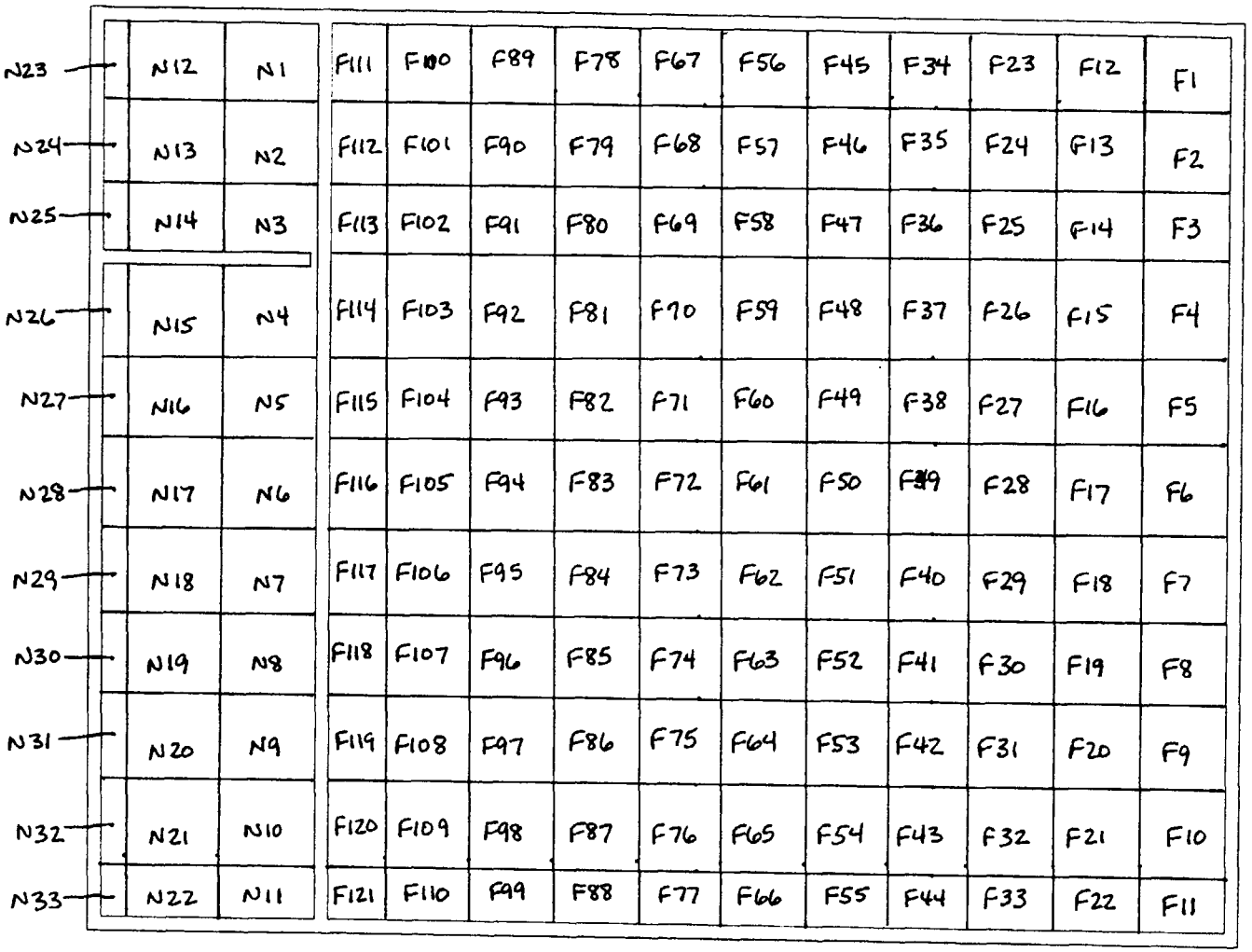
Room Survey Date: 19 June 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

Survey Readings: <100 cpm

;cale: 1/4" = 1'

North

ilding C sh Area Ceiling



Room Survey Date: 20 June 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

Survey Readings: <100 cpm

Schlecht

cale: 1/4" = 1'

North

26 Jun 06

MEMORANDUM

From: Radiation Safety Officer, ABC Labs
To: Scott Ward, Senior VP, Chief Administrative Officer GSW

Subj: ROOM CERTIFIED FREE OF RADIOACTIVE CONTAMINATION

Ref: (a) NUREG-1556, Vol. 7, Appendix Q

Encl: (1) Swipe results
(2) Swipe Map

1. In accordance with reference (a), radiation contamination surveys are required prior to release of an area for general use.

2. Swipe surveys were performed on 06 May 2006 in Room 601 in Building C. The survey indicated that the room (floor, ceiling and walls) was found to be below the federal limits for loose surface contamination. The local command's trigger level for loose surface contamination is 200 dpm. The survey results and maps are submitted as enclosure (1) and (2).

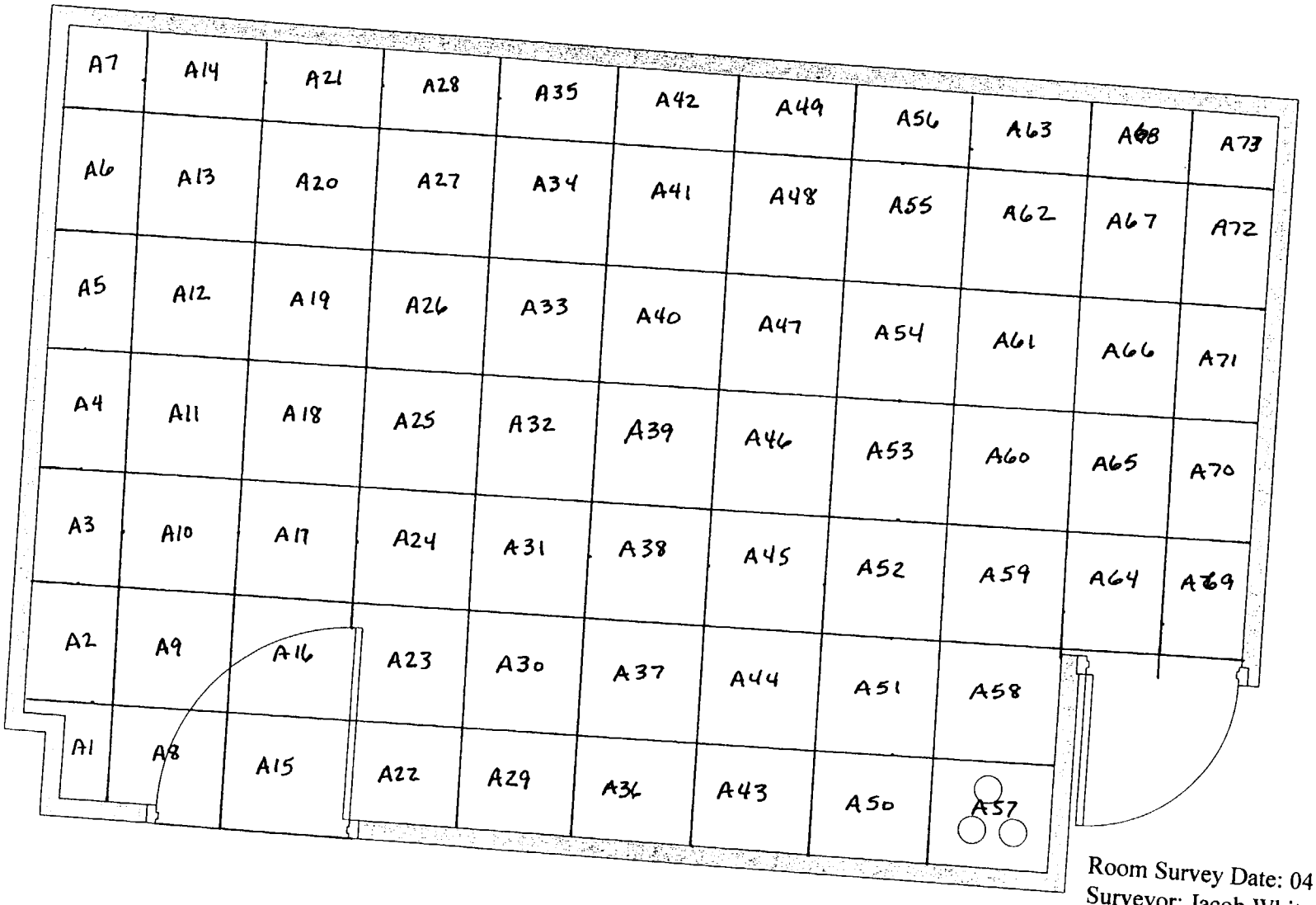
3. The room is released from controls regarding radiation safety effective 26 June 2006.

4. If you have any questions regarding this report or its results, please contact Radiation Safety Division at 443-9070.

07 Jul 06
L. PATRICK SMITH
Radiation safety Officer

Attachment (3)

Building C m 601 Floor



Scale: 3/8" = 1'

West

Room Survey Date: 04 May 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 193868
Cal Date: 31 May 05
Ludlum Probe Model 44-9
S/N: PR201731

Survey Readings: <100 cpm

BLDG C ROOM 601		FLOOR			
Control	<200 dpm	A41	<200 dpm		
Control	<200 dpm	A42	<200 dpm		
Blank	<200 dpm	A43	<200 dpm		
A1	<200 dpm	A44	<200 dpm		
A2	<200 dpm	A45	<200 dpm		
A3	<200 dpm	A46	<200 dpm		
A4	<200 dpm	A47	<200 dpm		
A5	<200 dpm	A48	<200 dpm		
A6	<200 dpm	A49	<200 dpm		
A7	<200 dpm	A50	<200 dpm		
A8	<200 dpm	A51	<200 dpm		
A9	<200 dpm	A52	<200 dpm		
A10	<200 dpm	A53	<200 dpm		
A11	<200 dpm	A54	<200 dpm		
A12	<200 dpm	A55	<200 dpm		
A13	<200 dpm	A56	<200 dpm		
A14	<200 dpm	A57	<200 dpm		
A15	<200 dpm	A58	<200 dpm		
A16	<200 dpm	A59	<200 dpm		
A17	<200 dpm	A60	<200 dpm		
A18	<200 dpm	A61	<200 dpm		
A19	<200 dpm	A62	<200 dpm		
A20	<200 dpm	A63	<200 dpm		
A21	<200 dpm	A64	<200 dpm		
A22	<200 dpm	A65	<200 dpm		
A23	<200 dpm	A66	<200 dpm		
A24	<200 dpm	A67	<200 dpm		
A25	<200 dpm	A68	<200 dpm		
A26	<200 dpm	A69	<200 dpm		
A27	<200 dpm	A70	<200 dpm		
A28	<200 dpm	A71	<200 dpm		
A29	<200 dpm	A72	<200 dpm		
A30	<200 dpm	A73	<200 dpm		
A31	<200 dpm				
A32	<200 dpm				
A33	<200 dpm				
A34	<200 dpm				
A35	<200 dpm				
A36	<200 dpm				
A37	<200 dpm				
A38	<200 dpm				
A39	<200 dpm				
A40	<200 dpm				

5 MAY 2006 08:4

ID:SURVEY

COMMENT:BLDG C ROOM 601 CEILING

USER:20

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

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

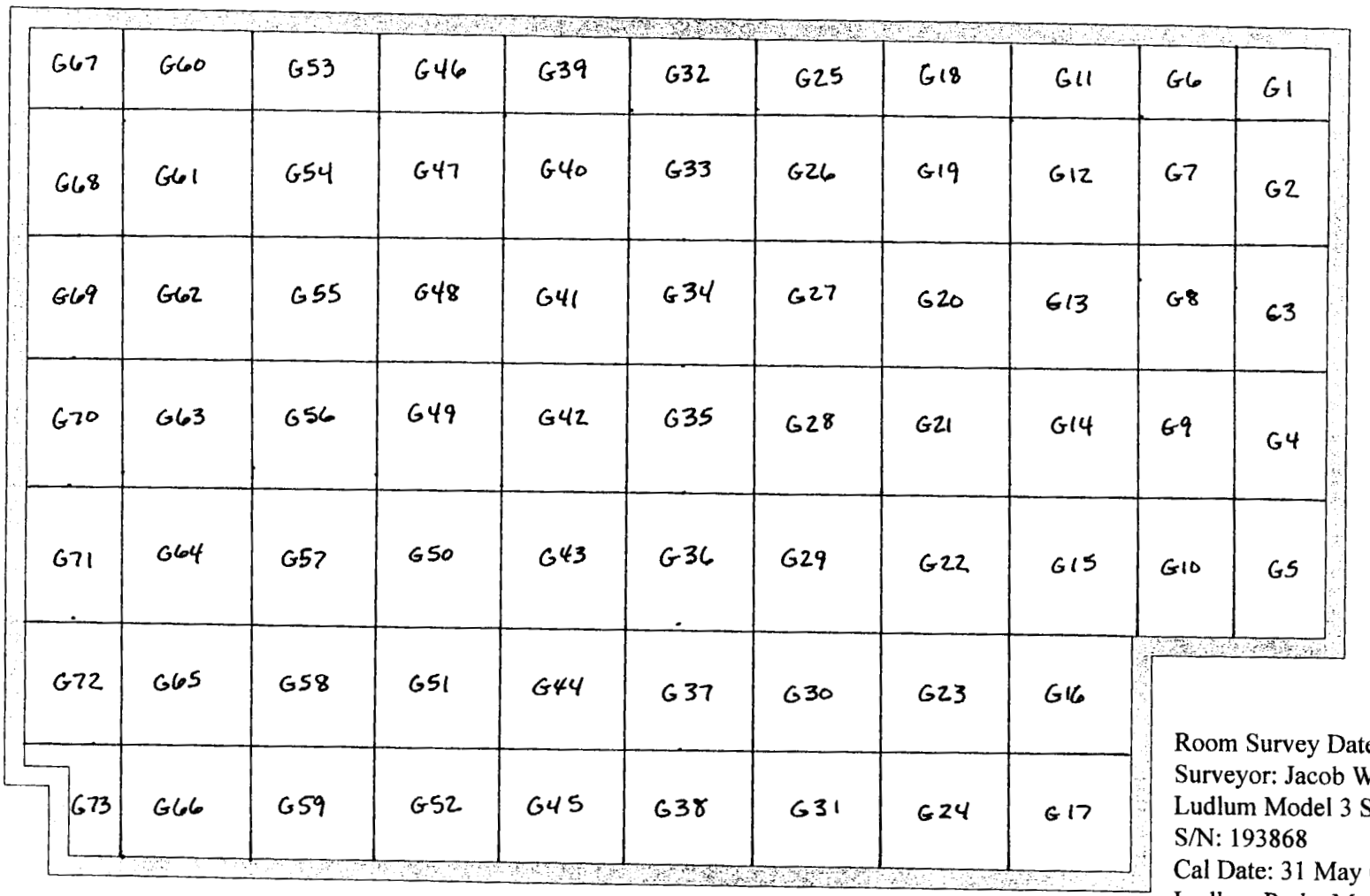
SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
B1	12-1	1.00	78.8	40.00	31.62	0.35	3.17
B2	12-2	1.00	78.8	40.00	31.62	0.27	4.78

Blank Average CPM for WIDE 40.00 COEF. OF VAR: 0.000

1	12-4	1.00	96.9	6.00	270.80	5.90	6.30
2	12-5	1.00	96.1	6.00	270.80	6.39	7.92
3	12-6	1.00	90.8	2.00	787.40	4.86	9.55
4	12-7	1.00	93.9	-9.00	1.E+06	8.74	11.05
5	12-8	1.00	94.0	9.00	184.59	5.08	12.68
6	12-9	1.00	92.4	4.00	400.00	4.47	14.30
7	12-10	1.00	91.3	-5.00	1.E+06	5.17	15.82
8	12-11	1.00	97.3	14.00	122.89	3.48	17.32
9	12-12	1.00	94.4	-5.00	1.E+06	4.52	18.85
10	12-13	1.00	94.9	-5.00	1.E+06	6.44	20.47
11	12-14	1.00	93.8	7.00	233.87	4.01	22.10
12	12-15	1.00	96.0	-12.00	1.E+06	6.09	23.72
13	12-16	1.00	95.1	3.00	529.15	5.53	25.25
14	12-17	1.00	95.0	4.00	400.00	4.19	26.87
15	12-18	1.00	97.4	5.00	322.49	10.00	28.39
16	21-1	1.00	96.6	5.00	322.49	3.71	30.00
17	21-2	1.00	95.3	1.00	1562.0	5.89	31.54
18	21-3	1.00	93.4	1.00	1562.0	8.91	33.04
19	21-4	1.00	96.0	-8.00	1.E+06	7.16	34.55
20	21-5	1.00	94.6	3.00	529.15	5.59	36.05
21	21-6	1.00	95.1	0.00	1.E+06	5.66	37.59
22	21-7	1.00	92.7	0.00	1.E+06	4.25	39.20
23	21-8	1.00	92.1	7.00	233.87	5.48	40.72
24	21-9	1.00	95.9	0.00	1.E+06	3.10	42.22
25	21-10	1.00	92.9	-10.00	1.E+06	6.94	43.87
26	21-11	1.00	87.6	-7.00	1.E+06	5.83	45.37
27	21-12	1.00	93.1	11.00	153.20	3.79	46.89
28	21-13	1.00	92.9	3.00	529.15	4.48	48.38
29	21-14	1.00	91.2	-2.00	1.E+06	3.39	50.03
30	21-15	1.00	93.9	-2.00	1.E+06	5.13	51.54
31	21-16	1.00	92.7	-4.00	1.E+06	4.87	53.05
32	21-17	1.00	95.5	6.00	270.80	4.97	54.55
33	21-18	1.00	91.9	0.00	1.E+06	5.33	56.09
34	41-1	1.00	96.0	0.00	1.E+06	5.51	57.62
35	41-2	1.00	88.6	-11.00	1.E+06	5.95	59.45
36	41-3	1.00	94.1	4.00	400.00	3.22	61.07
37	41-4	1.00	93.9	-5.00	1.E+06	9.33	62.63
38	41-5	1.00	95.8	0.00	1.E+06	3.86	64.10
39	41-6	1.00	95.2	5.00	322.49	5.96	65.75
40	41-7	1.00	93.4	13.00	131.48	3.96	67.24
41	41-8	1.00	98.4	3.00	529.15	3.20	68.88
42	41-9	1.00	91.3	3.00	529.15		

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
43	41-10	1.00	92.9	4.00	400.00	7.02	72.04
44	41-11	1.00	97.3	-6.00	1.E+06	7.43	73.54
45	41-12	1.00	95.4	6.00	270.80	4.75	75.07
46	41-13	1.00	94.2	8.00	206.16	4.64	76.68
47	41-14	1.00	92.9	5.00	322.49	4.17	78.20
48	41-15	1.00	93.9	-12.00	1.E+06	10.73	79.70
49	41-16	1.00	95.5	-6.00	1.E+06	6.55	81.35
50	41-17	1.00	94.5	-4.00	1.E+06	6.26	82.97
51	41-18	1.00	92.0	-5.00	1.E+06	7.63	84.60
52	61-1	1.00	94.7	-6.00	1.E+06	8.49	86.22
53	61-2	1.00	90.6	-5.00	1.E+06	5.39	87.87
54	61-3	1.00	92.7	-10.00	1.E+06	6.08	89.48
55	61-4	1.00	93.6	-2.00	1.E+06	5.44	91.00
56	61-5	1.00	91.6	-10.00	1.E+06	5.55	92.50
57	61-6	1.00	92.7	-6.00	1.E+06	4.48	94.03
58	61-7	1.00	92.4	4.00	400.00	2.76	95.63
59	61-8	1.00	92.0	-5.00	1.E+06	3.99	97.28
60	61-9	1.00	92.3	-9.00	1.E+06	7.72	98.79
61	61-10	1.00	92.1	11.00	153.20	21.24	100.43
62	61-11	1.00	95.4	-1.00	1.E+06	6.32	101.94
63	61-12	1.00	95.3	12.00	141.42	2.77	103.45
64	61-13	1.00	92.6	8.00	206.16	4.93	104.95
65	61-14	1.00	94.0	3.00	529.15	5.02	106.49
66	61-15	1.00	91.8	-10.00	1.E+06	5.27	107.98
67	61-16	1.00	93.4	16.00	108.97	1.76	109.52
68	61-17	1.00	93.2	-3.00	1.E+06	13.91	111.03
69	61-18	1.00	93.4	-4.00	1.E+06	6.00	112.55
70	3-1	1.00	98.1	20.00	89.44	6.38	114.16
71	3-2	1.00	93.9	25.00	73.76	3.61	115.69
72	3-3	1.00	94.4	24.00	76.38	6.09	117.19
73	3-4	1.00	92.1	70.00	32.58	2.29	118.84

Building C m 601 Ceiling



Room Survey Date: 04 May 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 193868
Cal Date: 31 May 05
Ludlum Probe Model 44-9
S/N: PR201731

Survey Readings: <100 cpm

Scale: 3/8 ' = 1'

West

BLDG C ROOM 601		CEILING			
Control	<200 dpm	G41	<200 dpm		
Control	<200 dpm	G42	<200 dpm		
BlGnk	<200 dpm	G43	<200 dpm		
G1	<200 dpm	G44	<200 dpm		
G2	<200 dpm	G45	<200 dpm		
G3	<200 dpm	G46	<200 dpm		
G4	<200 dpm	G47	<200 dpm		
G5	<200 dpm	G48	<200 dpm		
G6	<200 dpm	G49	<200 dpm		
G7	<200 dpm	G50	<200 dpm		
G8	<200 dpm	G51	<200 dpm		
G9	<200 dpm	G52	<200 dpm		
G10	<200 dpm	G53	<200 dpm		
G11	<200 dpm	G54	<200 dpm		
G12	<200 dpm	G55	<200 dpm		
G13	<200 dpm	G56	<200 dpm		
G14	<200 dpm	G57	<200 dpm		
G15	<200 dpm	G58	<200 dpm		
G16	<200 dpm	G59	<200 dpm		
G17	<200 dpm	G60	<200 dpm		
G18	<200 dpm	G61	<200 dpm		
G19	<200 dpm	G62	<200 dpm		
G20	<200 dpm	G63	<200 dpm		
G21	<200 dpm	G64	<200 dpm		
G22	<200 dpm	G65	<200 dpm		
G23	<200 dpm	G66	<200 dpm		
G24	<200 dpm	G67	<200 dpm		
G25	<200 dpm	G68	<200 dpm		
G26	<200 dpm	G69	<200 dpm		
G27	<200 dpm	G70	<200 dpm		
G28	<200 dpm	G71	<200 dpm		
G29	<200 dpm	G72	<200 dpm		
G30	<200 dpm	G73	<200 dpm		
G31	<200 dpm				
G32	<200 dpm				
G33	<200 dpm				
G34	<200 dpm				
G35	<200 dpm				
G36	<200 dpm				
G37	<200 dpm				
G38	<200 dpm				
G39	<200 dpm				
G40	<200 dpm				

PAGE:

IU HEALTH PHYSICS 4 MAY 2004 07:4

USER:20 COMMENT:BLDG C ROOM 401 WALLS

PRESET TIME	: 1.00						
DATA CALC	: CPM	H#	:YES	SAMPLE REPEATS:	1	PRINTER	: ST
COUNT BLANK	: YES	ID#	: NO	REPLICATES	: 1	RS232	: OF
TWO PHASE	: NO	ASC	: NO	CYCLE REPEATS	: 1		
SCINTILLATOR:	LIQUID	LUMEX: NO		LOW SAMPLE REJ:	0		
LOW LEVEL	: NO	HALF LIFE CORRECTION DATE:				none	

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
B1	12-1	1.00	79.3	43.00	30.50	1.10	1.47
B2	12-2	1.00	78.1	42.00	30.85	1.31	2.90
		Blank Average CPM for		WIDE		42.50	COEF. OF VAR: 1.664
1	12-4	1.00	98.6	2.50	651.15	4.23	4.51
2	12-5	1.00	96.5	2.50	651.15	3.84	6.04
3	12-6	1.00	93.5	0.50	3206.2	2.70	7.63
4	12-7	1.00	94.9	-7.50	1.E+06	3.37	9.26
5	12-8	1.00	94.4	1.50	1077.0	2.90	10.88
6	12-9	1.00	94.0	2.50	651.15	2.62	12.52
7	12-10	1.00	92.5	-7.50	1.E+06	3.23	14.02
8	12-11	1.00	96.9	-6.50	1.E+06	2.96	15.53
9	12-12	1.00	94.5	-5.50	1.E+06	2.59	17.15
10	12-13	1.00	95.1	-0.50	1.E+06	3.24	18.80
11	12-14	1.00	93.1	-7.50	1.E+06	3.55	20.30
12	12-15	1.00	95.6	-1.50	1.E+06	3.20	21.82
13	12-16	1.00	96.8	4.50	367.17	3.64	23.32
14	12-17	1.00	95.6	-11.50	1.E+06	4.26	24.97
15	12-18	1.00	98.2	-5.50	1.E+06	6.45	26.47
16	41-1	1.00	97.6	7.50	225.09	2.35	29.10
17	41-2	1.00	90.8	-10.50	1.E+06	2.83	29.71
18	41-3	1.00	96.1	3.50	468.61	3.50	31.23
19	41-4	1.00	94.4	-7.50	1.E+06	4.45	32.73
20	41-5	1.00	97.2	-14.50	1.E+06	3.25	34.27
21	41-6	1.00	96.1	-3.50	1.E+06	3.57	35.77
22	41-7	1.00	94.1	-8.50	1.E+06	4.06	37.28
23	41-8	1.00	100.0	-5.50	1.E+06	2.30	38.80
24	41-9	1.00	92.3	-5.50	1.E+06	2.92	40.32
25	41-10	1.00	93.3	-10.50	1.E+06	5.48	41.82
26	41-11	1.00	98.6	-4.50	1.E+06	7.25	43.47
27	41-12	1.00	95.9	-2.50	1.E+06	3.25	45.05
28	41-13	1.00	95.5	2.50	651.15	2.67	46.72
29	41-14	1.00	93.6	2.50	651.15	2.84	48.24
30	41-15	1.00	94.7	-4.50	1.E+06	4.53	49.87
31	41-16	1.00	96.3	0.50	3206.2	3.07	51.37
32	41-17	1.00	95.2	-4.50	1.E+06	3.58	52.90
33	41-18	1.00	92.0				

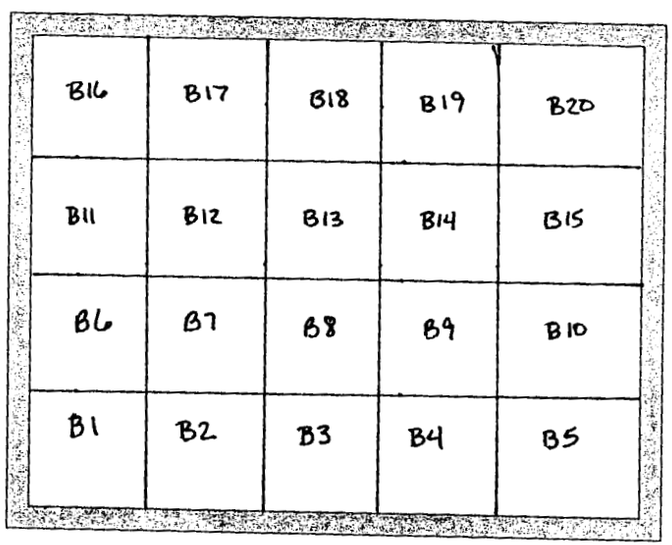
[illegible]	[illegible]	[illegible]	[illegible]	-6.50	1.E+06	3.01	57.77
36	21-3	1.00	94.9	-9.50	1.E+06	5.58	59.29
37	21-4	1.00	95.9	-5.50	1.E+06	4.40	60.79
38	21-5	1.00	94.0	-9.50	1.E+06	4.78	62.43
39	21-6	1.00	93.6	9.50	180.18	2.00	63.92
40	21-7	1.00	93.5	0.50	3206.2	2.82	65.45
[illegible]	21-8	1.00	94.0	1.50	1077.0	4.44	66.95
42	21-9	1.00	99.4	-5.50	1.E+06	3.27	68.58

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
43	21-10	1.00	93.2	-12.50	1.E+06	5.06	70.10
44	21-11	1.00	89.2	1.50	1077.0	3.42	71.62
45	21-12	1.00	93.8	-6.50	1.E+06	4.19	73.12
46	21-13	1.00	93.7	-10.50	1.E+06	4.58	74.65
47	21-14	1.00	92.5	-4.50	1.E+06	2.76	76.26
48	21-15	1.00	93.7	-14.50	1.E+06	5.61	77.90
49	21-16	1.00	93.9	0.50	3206.2	3.48	79.40
50	21-17	1.00	96.6	0.50	3206.2	4.13	80.92
51	21-18	1.00	93.2	-12.50	1.E+06	5.72	82.42
52	61-1	1.00	96.4	-5.50	1.E+06	5.76	84.05
53	61-2	1.00	91.2	-5.50	1.E+06	3.67	85.66
54	61-3	1.00	92.9	0.50	3206.2	2.78	87.18
55	61-4	1.00	93.4	-11.50	1.E+06	4.33	88.69
56	61-5	1.00	91.6	-14.50	1.E+06	4.23	90.22
57	61-6	1.00	93.8	-5.50	1.E+06	3.13	91.83
58	61-7	1.00	93.3	-0.50	1.E+06	2.13	93.46
59	61-8	1.00	94.1	-5.50	1.E+06	2.81	95.07
60	61-9	1.00	92.2	-9.50	1.E+06	6.04	96.60
61	61-10	1.00	93.0	4.50	367.17	14.94	98.11
62	61-11	1.00	96.6	-6.50	1.E+06	5.09	99.73
63	61-12	1.00	96.4	17.50	103.02	2.02	101.23
64	61-13	1.00	94.1	-7.50	1.E+06	4.51	102.88
65	61-14	1.00	95.8	-10.50	1.E+06	4.75	104.48
66	61-15	1.00	93.9	11.50	150.86	1.35	106.13
67	61-16	1.00	94.1	25.50	74.10	3.92	107.64
68	61-17	1.00	92.2	53.50	40.48	1.74	109.17
69	61-18	1.00	100.8	15.50	114.87	4.46	110.67
70	42-1	1.00	95.9	19.50	93.58	3.59	112.42
71	42-2	1.00	94.0	33.50	58.87	4.34	113.92
72	42-3	1.00	94.7	40.50	50.42	1.89	115.57
73	42-4	1.00	93.8	-3.50	1.E+06	3.75	117.12
74	42-5	1.00	91.7	11.50	150.86	2.54	118.70
75	42-6	1.00	90.8	-8.50	1.E+06	4.14	120.20
76	42-7	1.00	95.5	1.50	1077.0	3.04	121.74
77	42-8	1.00	94.4	10.50	164.13	3.32	123.33
78	42-9	1.00	93.5	4.50	367.17	4.17	124.75
79	42-10	1.00	95.0	-4.50	1.E+06	4.94	126.37
80	42-11	1.00	94.3	3.50	468.61	3.24	127.90
81	42-12	1.00	95.9	-7.50	1.E+06	5.51	129.52
82	42-13	1.00	93.9	-3.50	1.E+06	4.01	131.08
83	42-14	1.00	93.9	-0.50	1.E+06	4.65	132.64
84	42-15	1.00	92.9	-2.50	1.E+06	4.28	134.07
85	42-16	1.00	92.0	-9.50	1.E+06	5.56	135.57
86	42-17	1.00	94.2	5.50	302.61	2.80	137.09
87	42-18	1.00	96.3	-2.50	1.E+06	4.77	138.59
88	31-1	1.00	95.0	-3.50	1.E+06	4.59	140.22
89	31-2	1.00	93.3	-5.50	1.E+06	7.23	141.72
90	31-3	1.00	94.9	4.50	367.17	3.06	143.37
91	31-4	1.00	98.7	[illegible]	[illegible]	[illegible]	[illegible]

					-8.50	1.E+06	3.77	148.11
94	31-7	1.00	93.4		2.50	651.15	3.73	149.76
95	31-8	1.00	96.2		10.50	164.13	2.91	151.38
96	31-9	1.00	93.8		-14.50	1.E+06	5.11	153.02
97	31-10	1.00	96.6		3.50	468.61	5.90	154.67
98	31-11	1.00	93.7		1.50	1077.0	3.33	156.17
99	31-12	1.00	100.0		-1.50	1.E+06	5.54	157.67
100	31-13	1.00	94.3		-7.50	1.E+06	3.65	159.18

SAM NO	POS	TIME MIN	H#	WIDE CFM	WIDE %ERROR	LUMEX %	ELAPSED TIME
101	31-14	1.00	94.2	-0.50	1.E+06	2.84	160.81
102	31-15	1.00	94.7	-3.50	1.E+06	3.99	162.45
103	31-16	1.00	96.3	21.50	85.89	2.64	164.07
104	31-17	1.00	96.5	-6.50	1.E+06	6.10	165.60
105	31-18	1.00	93.9	-12.50	1.E+06	5.58	167.22
106	6-1	1.00	95.2	16.50	108.58	2.83	168.85
107	6-2	1.00	94.6	-0.50	1.E+06	3.04	170.46
108	6-3	1.00	98.7	9.50	180.18	7.76	171.99
109	6-4	1.00	96.3	-4.50	1.E+06	9.72	173.51
110	6-5	1.00	98.8	30.50	63.66	3.20	175.04
111	6-6	1.00	100.4	13.50	130.21	3.04	176.65
112	6-7	1.00	100.9	7.50	225.09	3.48	178.17
113	6-8	1.00	98.3	14.50	122.01	2.38	179.78
114	6-9	1.00	93.9	3.50	468.61	2.99	181.32
115	6-10	1.00	99.4	10.50	164.13	3.10	182.93
116	6-11	1.00	99.4	4.50	367.17	3.98	184.45
117	6-12	1.00	98.7	-4.50	1.E+06	4.56	185.95
118	6-13	1.00	96.7	12.50	139.71	2.35	187.48
119	6-14	1.00	98.6	-4.50	1.E+06	4.97	189.10
120	6-15	1.00	97.7	-4.50	1.E+06	4.55	190.62
121	6-16	1.00	96.3	3.50	468.61	3.30	192.12
122	6-17	1.00	95.5	1.50	1077.0	3.51	193.65
123	6-18	1.00	95.3	30.50	63.66	2.46	195.15
124	4-1	1.00	95.7	-3.50	1.E+06	5.28	196.78
125	4-2	1.00	94.0	-1.50	1.E+06	4.10	198.40
126	4-3	1.00	95.7	2.50	651.15	4.09	199.92
127	4-4	1.00	92.9	2.50	651.15	2.87	201.53
128	4-5	1.00	93.7	-2.50	1.E+06	3.63	203.05
129	4-6	1.00	94.9	4.50	367.17	4.13	204.67
130	4-7	1.00	94.8	-8.50	1.E+06	3.65	206.20
131	4-8	1.00	96.0	-6.50	1.E+06	4.35	207.82
132	4-9	1.00	96.3	-8.50	1.E+06	3.69	209.45
133	4-10	1.00	94.9	-2.50	1.E+06	4.60	211.07
134	4-11	1.00	93.5	1.50	1077.0	2.50	212.58
135	4-12	1.00	97.5	-11.50	1.E+06	6.53	214.09
136	4-13	1.00	93.9	-7.50	1.E+06	3.34	215.62
137	4-14	1.00	95.1	-9.50	1.E+06	4.71	217.12
138	4-15	1.00	96.0	10.50	164.13	2.30	218.63
139	4-16	1.00	91.9	-2.50	1.E+06	2.81	220.13
140	4-17	1.00	94.2	-0.50	1.E+06	4.04	221.67
141	4-18	1.00	93.5	-10.50	1.E+06	5.10	223.17
142	3-1	1.00	96.4	2.50	651.15	5.53	224.80
143	3-2	1.00	94.8	53.50	40.48	2.88	226.31

Building C ›m 601 South Wall



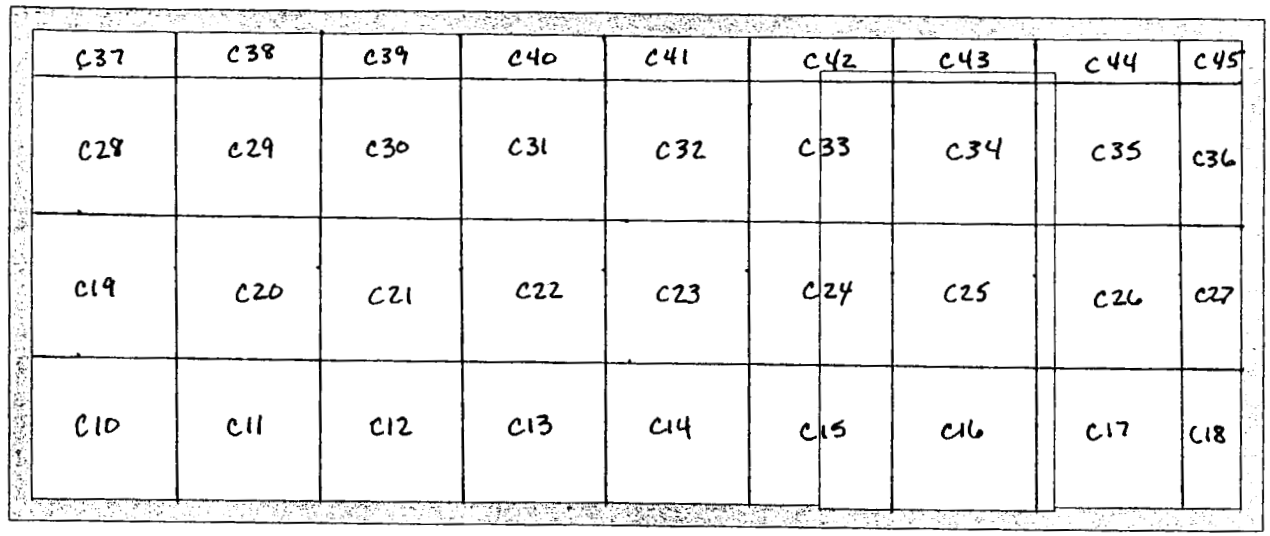
Room Survey Date: 04 May 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 193868
Cal Date: 31 May 05
Ludlum Probe Model 44-9
S/N: PR201731

Survey Readings: <100 cpm

Scale: 3/8" = 1'

Floor

Building C ...m 601 West Wall ...g



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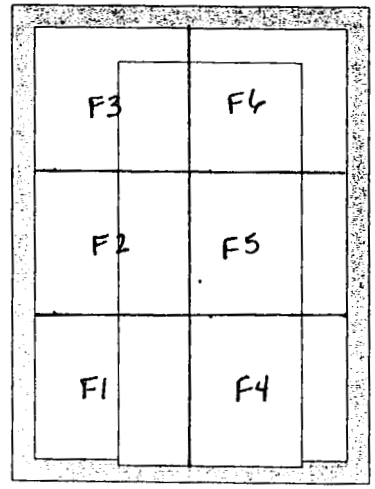
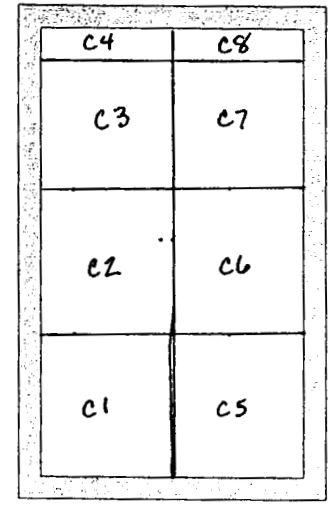
Ludlum Model 3 Survey Meter
S/N: 193868
Cal Date: 31 May 05
Ludlum Probe Model 44-9
S/N: PR201731

Survey Readings: <100 cpm





Scale: 3/8" = 1'

Floor

Building C m 601 North Wall r g

D22	D23	D24	D25	D26	D27	D28
D15	D16	D17	D18	D19	D20	D21
D8	D9	D10	D11	D12	D13	D14
D1	D2	D3	D4	D5	D6	D7

Room Survey Date: 04 May 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 193868
Cal Date: 31 May 05
Ludlum Probe Model 44-9
S/N: PR201731

Survey Readings: <100 cpm

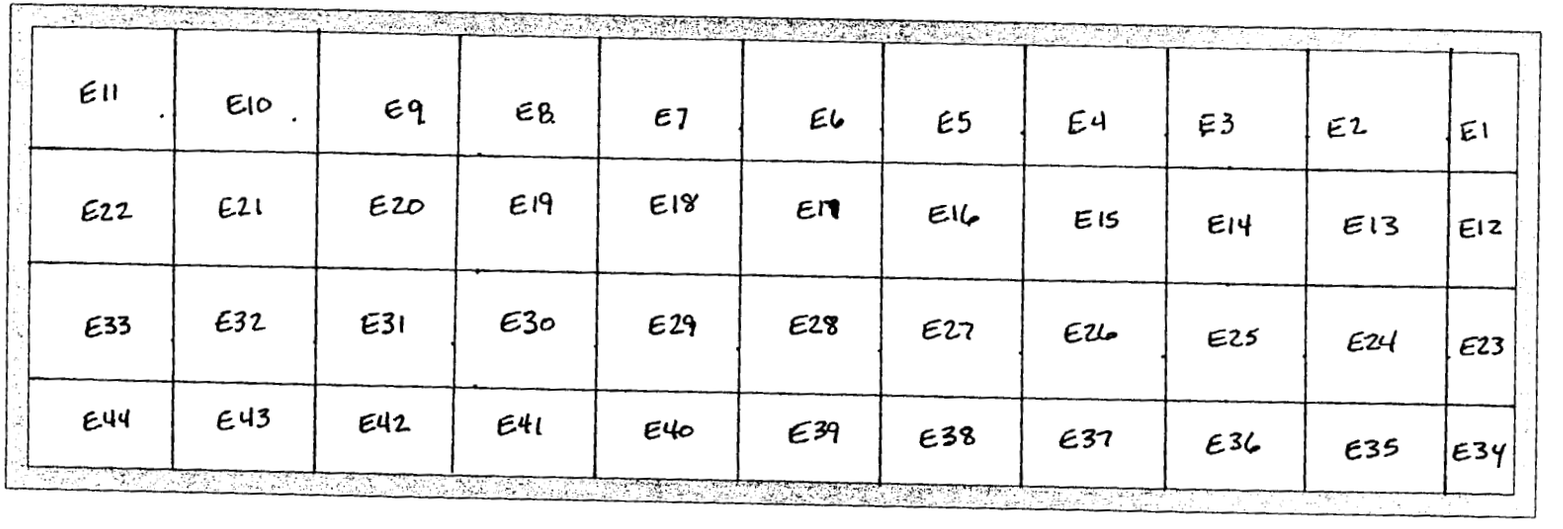
SE Heidt

Scale: 3/8" = 1'

Floor

Building C m 601 East Wall

r g



Room Survey Date: 04 May 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 193868
Cal Date: 31 May 05
Ludlum Probe Model 44-9
S/N: PR201731

Survey Readings: <100 cpm

Scaldeht

Scale: 3/8" = 1'

Floor

BLDG C ROOM 601		WALLS					
Control	<200 dpm	C21	<200 dpm	D20	<200 dpm	E35	<200 dpm
Control	<200 dpm	C22	<200 dpm	D21	<200 dpm	E36	<200 dpm
Blank	<200 dpm	C23	<200 dpm	D22	<200 dpm	E37	<200 dpm
B1	<200 dpm	C24	<200 dpm	D23	<200 dpm	E28	<200 dpm
B2	<200 dpm	C25	<200 dpm	D24	<200 dpm	E39	<200 dpm
B3	<200 dpm	C26	<200 dpm	D25	<200 dpm	E40	<200 dpm
B4	<200 dpm	C27	<200 dpm	D26	<200 dpm	E41	<200 dpm
B5	<200 dpm	C28	<200 dpm	D27	<200 dpm	E42	<200 dpm
B6	<200 dpm	C29	<200 dpm	D28	<200 dpm	E43	<200 dpm
B7	<200 dpm	C30	<200 dpm	E1	<200 dpm	E44	<200 dpm
B8	<200 dpm	C31	<200 dpm	E2	<200 dpm	F1	<200 dpm
B9	<200 dpm	C32	<200 dpm	E3	<200 dpm	F2	<200 dpm
B10	<200 dpm	C33	<200 dpm	E4	<200 dpm	F3	<200 dpm
B11	<200 dpm	C34	<200 dpm	E5	<200 dpm	F4	<200 dpm
B12	<200 dpm	C35	<200 dpm	E6	<200 dpm	F5	<200 dpm
B13	<200 dpm	C36	<200 dpm	E7	<200 dpm	F6	<200 dpm
B14	<200 dpm	C37	<200 dpm	E8	<200 dpm		
B15	<200 dpm	C38	<200 dpm	E9	<200 dpm		
B16	<200 dpm	C39	<200 dpm	E10	<200 dpm		
B17	<200 dpm	C40	<200 dpm	E11	<200 dpm		
B18	<200 dpm	C41	<200 dpm	E12	<200 dpm		
B19	<200 dpm	C42	<200 dpm	E13	<200 dpm		
B20	<200 dpm	C43	<200 dpm	E14	<200 dpm		
C1	<200 dpm	C44	<200 dpm	E15	<200 dpm		
C2	<200 dpm	D1	<200 dpm	E16	<200 dpm		
C3	<200 dpm	D2	<200 dpm	E17	<200 dpm		
C4	<200 dpm	D3	<200 dpm	E18	<200 dpm		
C5	<200 dpm	D4	<200 dpm	E19	<200 dpm		
C6	<200 dpm	D5	<200 dpm	E20	<200 dpm		
C7	<200 dpm	D6	<200 dpm	E21	<200 dpm		
C8	<200 dpm	D7	<200 dpm	E22	<200 dpm		
C9	<200 dpm	D8	<200 dpm	E23	<200 dpm		
C10	<200 dpm	D9	<200 dpm	E24	<200 dpm		
C11	<200 dpm	D10	<200 dpm	E25	<200 dpm		
C12	<200 dpm	D11	<200 dpm	E26	<200 dpm		
C13	<200 dpm	D12	<200 dpm	E27	<200 dpm		
C14	<200 dpm	D13	<200 dpm	E28	<200 dpm		
C15	<200 dpm	D14	<200 dpm	E29	<200 dpm		
C16	<200 dpm	D15	<200 dpm	E30	<200 dpm		
C17	<200 dpm	D16	<200 dpm	E31	<200 dpm		
C18	<200 dpm	D17	<200 dpm	E32	<200 dpm		
C19	<200 dpm	D18	<200 dpm	E33	<200 dpm		
C20	<200 dpm	D19	<200 dpm	E34	<200 dpm		

26 Jun 06

MEMORANDUM

From: Radiation Safety Officer, ABC Labs
To: Scott Ward, Senior VP, Chief Administrative Officer GSW

Subj: ROOM CERTIFIED FREE OF RADIOACTIVE CONTAMINATION

Ref: (a) NUREG-1556, Vol. 7, Appendix Q

Encl: (1) Swipe results
(2) Swipe Map

1. In accordance with reference (a), radiation contamination surveys are required prior to release of an area for general use.

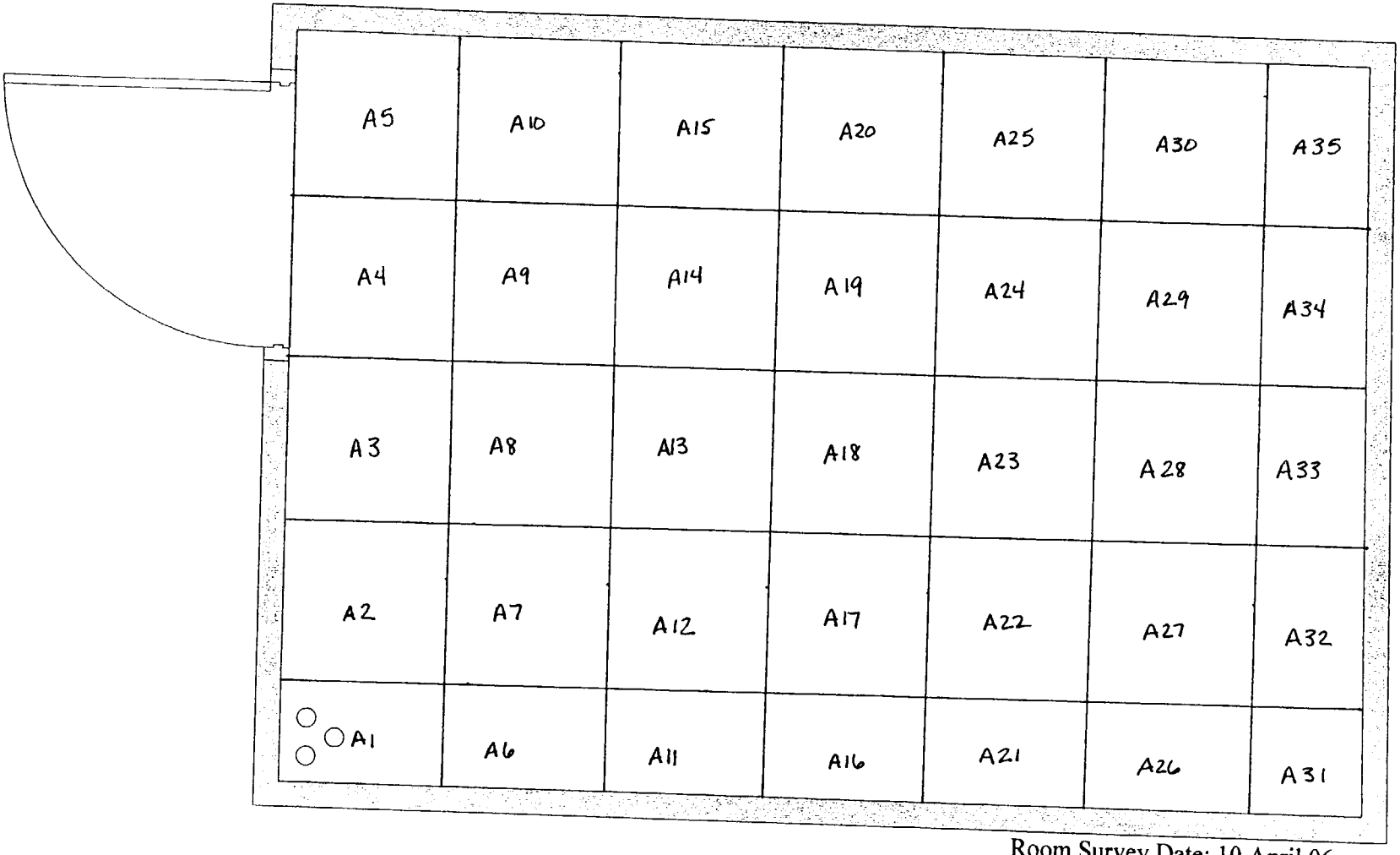
2. Swipe surveys were performed on 10 Apr 2006 in Room 602 in Building C. The survey indicated that the room (floor, ceiling and walls) was found to be below the federal limits for loose surface contamination. The local command's trigger level for loose surface contamination is 200 dpm. The survey results and maps are submitted as enclosure (1) and (2).

3. The room is released from controls regarding radiation safety effective 26 June 2006.

4. If you have any questions regarding this report or its results, please contact Radiation Safety Division at 443-9070.

07 July 06
L. PATRICK SMITH
Radiation safety Officer

Building C `m 602 Floor



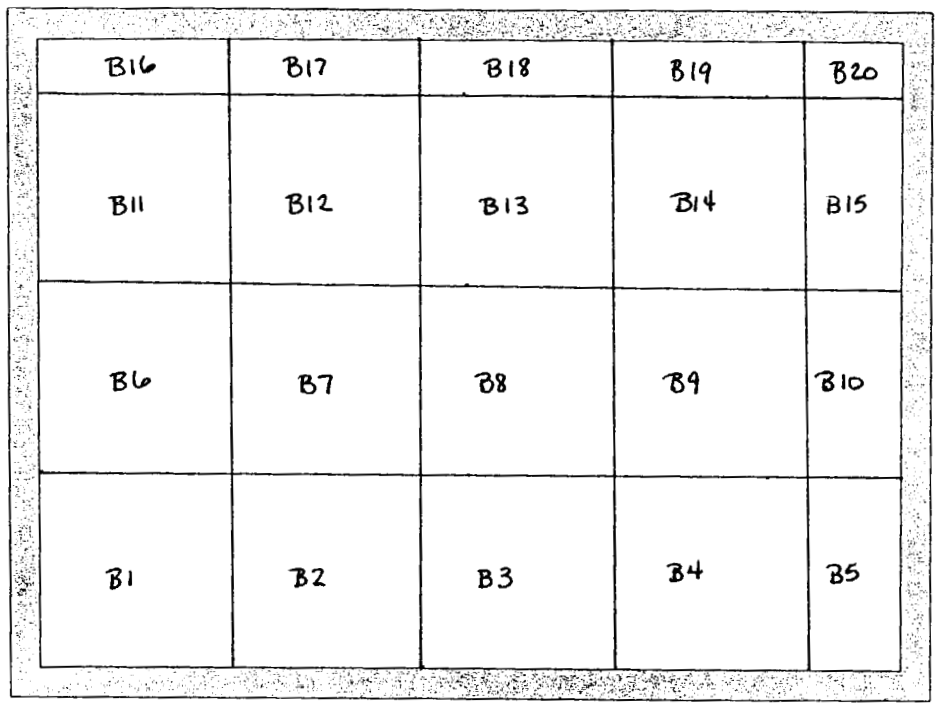
Room Survey Date: 10 April 06
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Scale: 1/2" = 1'

South

Survey Readings: <100 cpm

Building C ›m 602 East Wall C ›g



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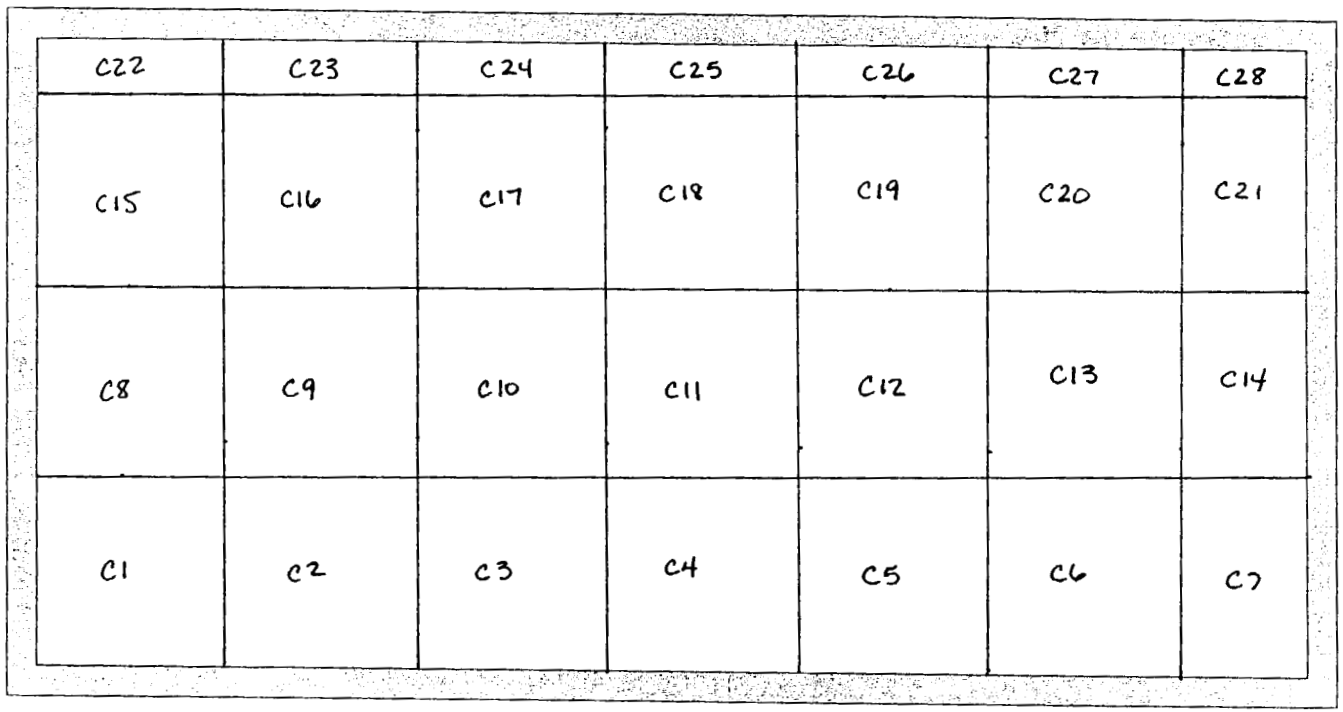
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C m 602 South Wall C g



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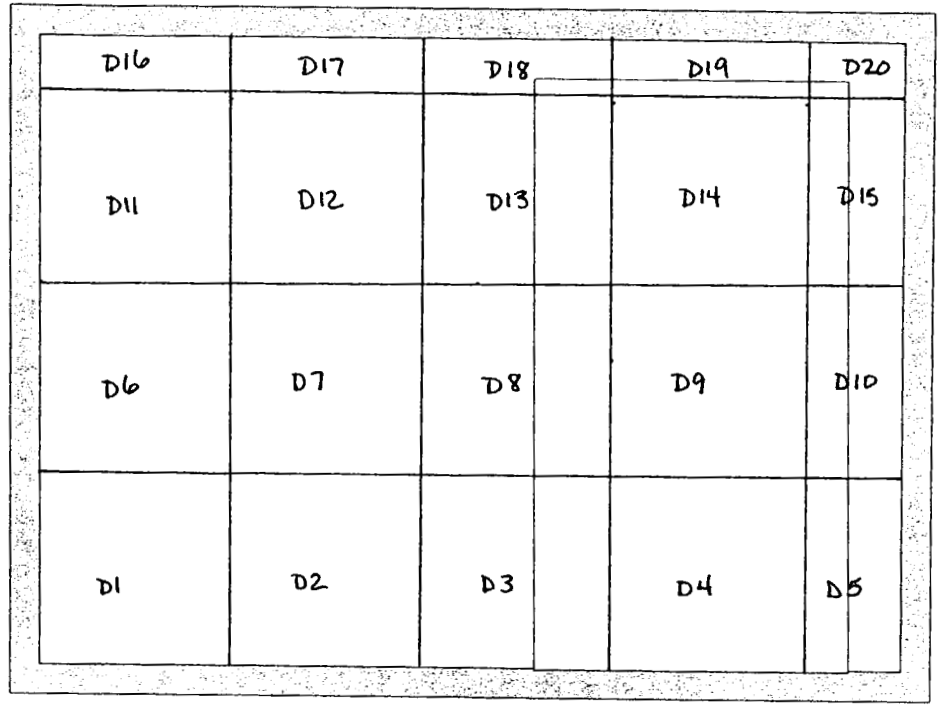
Ludlum Probe Model 44-9
S/N: PR125562

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C ›m 602 West Wall C ›g



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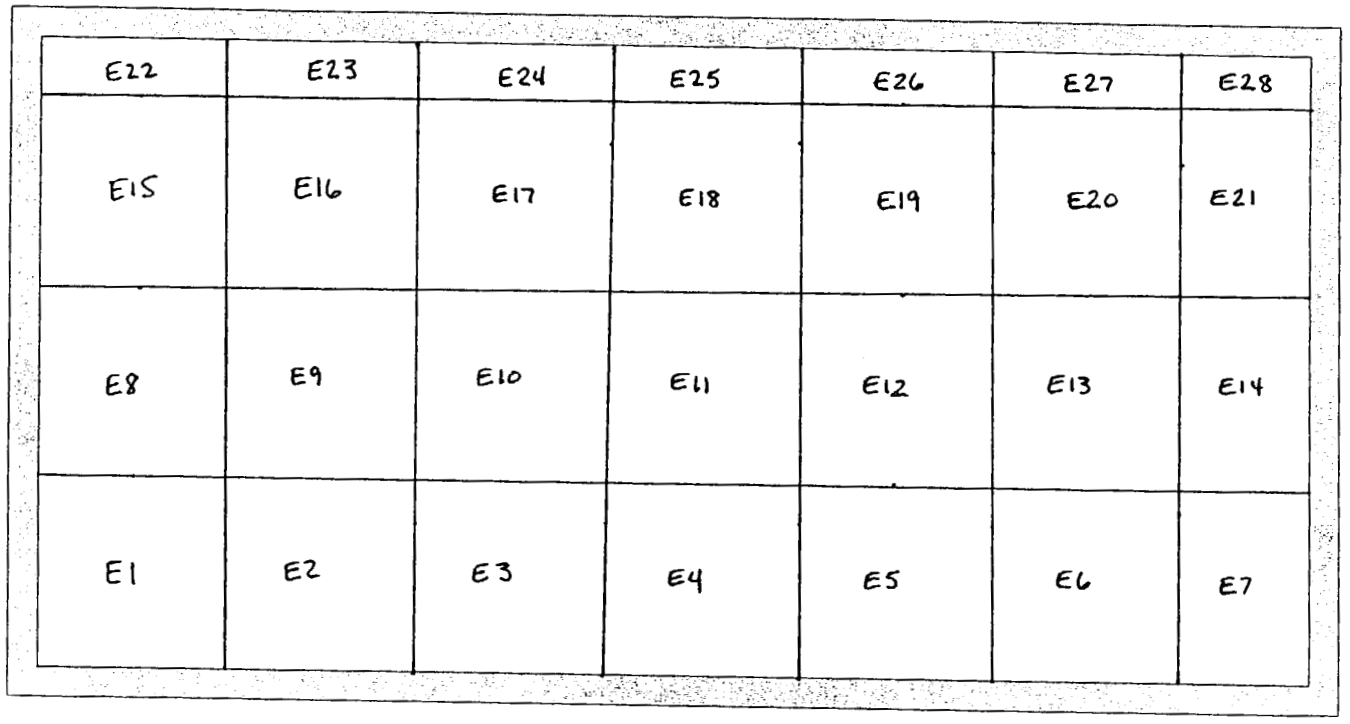
Ludlum Probe Model 44-9
S/N: PR125562

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C ›m 602 North Wall C ›g



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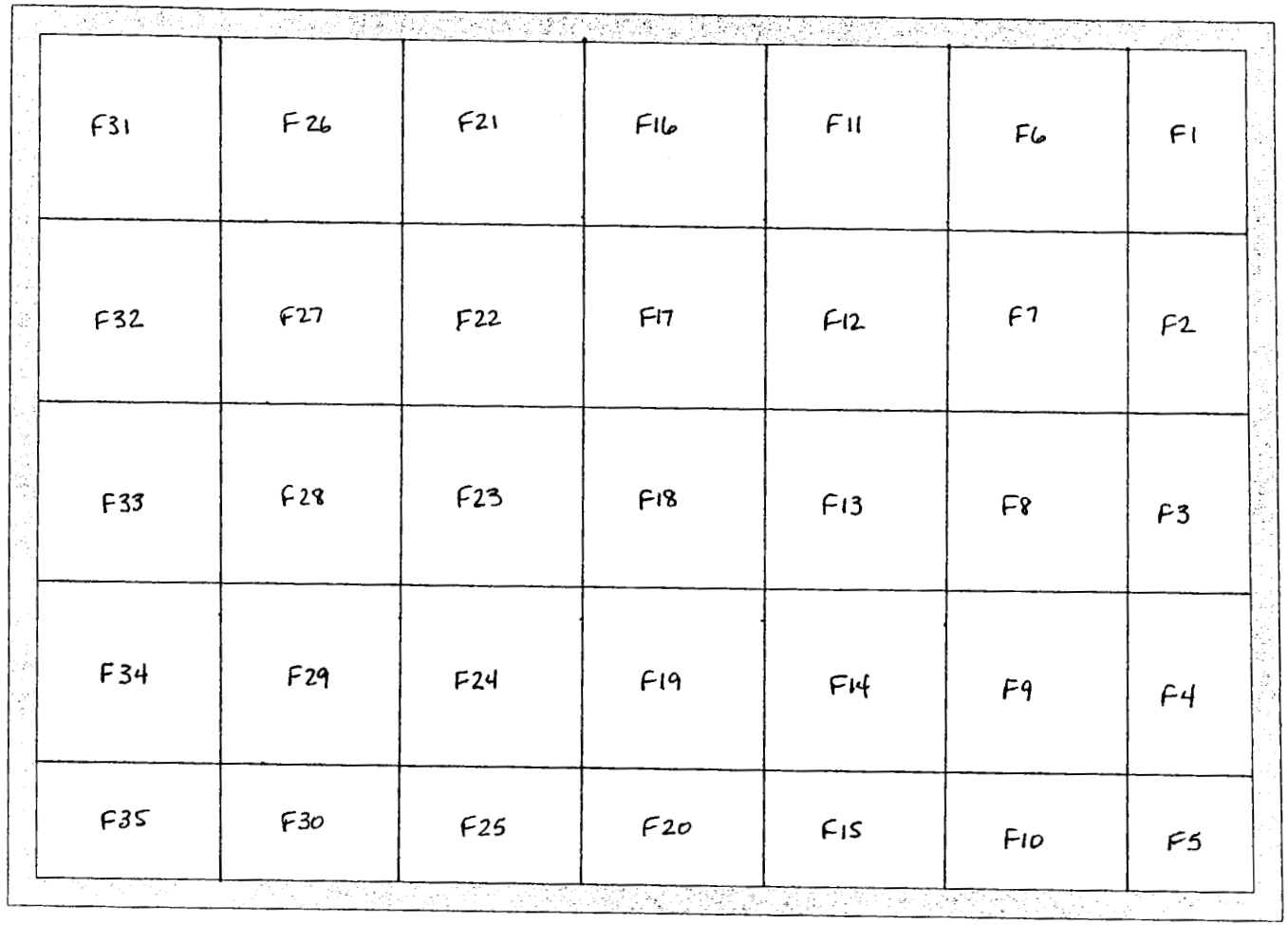
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C [illegible]m 602 Ceiling



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Surveyor: JaVonte Long
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S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Scale: 1/2" = 1'

South

Survey Readings: <100 cpm

BLDG C ROOM 602							
Control	<200 dpm	B6	<200 dpm	D1	<200 dpm	E24	<200 dpm
Control	<200 dpm	B7	<200 dpm	D2	<200 dpm	E25	<200 dpm
Blank	<200 dpm	B8	<200 dpm	D3	<200 dpm	E26	<200 dpm
A1	<200 dpm	B9	<200 dpm	D4	<200 dpm	E27	<200 dpm
A2	<200 dpm	B10	<200 dpm	D5	<200 dpm	E28	<200 dpm
A3	<200 dpm	B11	<200 dpm	D6	<200 dpm	F1	<200 dpm
A4	<200 dpm	B12	<200 dpm	D7	<200 dpm	F2	<200 dpm
A5	<200 dpm	B13	<200 dpm	D8	<200 dpm	F3	<200 dpm
A6	<200 dpm	B14	<200 dpm	D9	<200 dpm	F4	<200 dpm
A7	<200 dpm	B15	<200 dpm	D10	<200 dpm	F5	<200 dpm
A8	<200 dpm	B16	<200 dpm	D11	<200 dpm	F6	<200 dpm
A9	<200 dpm	B17	<200 dpm	D12	<200 dpm	F7	<200 dpm
A10	<200 dpm	B18	<200 dpm	D13	<200 dpm	F8	<200 dpm
A11	<200 dpm	B19	<200 dpm	D14	<200 dpm	F9	<200 dpm
A12	<200 dpm	B20	<200 dpm	D15	<200 dpm	F10	<200 dpm
A13	<200 dpm	C1	<200 dpm	D16	<200 dpm	F11	<200 dpm
A14	<200 dpm	C2	<200 dpm	D17	<200 dpm	F12	<200 dpm
A15	<200 dpm	C3	<200 dpm	D18	<200 dpm	F13	<200 dpm
A16	<200 dpm	C4	<200 dpm	D19	<200 dpm	F14	<200 dpm
A17	<200 dpm	C5	<200 dpm	D20	<200 dpm	F15	<200 dpm
A18	<200 dpm	C6	<200 dpm	E1	<200 dpm	F16	<200 dpm
A19	<200 dpm	C7	<200 dpm	E2	<200 dpm	F17	<200 dpm
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A21	<200 dpm	C9	<200 dpm	E4	<200 dpm	F19	<200 dpm
A22	<200 dpm	C10	<200 dpm	E5	<200 dpm	F20	<200 dpm
A23	<200 dpm	C11	<200 dpm	E6	<200 dpm	F21	<200 dpm
A24	<200 dpm	C12	<200 dpm	E7	<200 dpm	F22	<200 dpm
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A26	<200 dpm	C14	<200 dpm	E9	<200 dpm	F24	<200 dpm
A27	<200 dpm	C15	<200 dpm	E10	<200 dpm	F25	<200 dpm
A28	<200 dpm	C16	<200 dpm	E11	<200 dpm	F26	<200 dpm
A29	<200 dpm	C17	<200 dpm	E12	<200 dpm	F27	<200 dpm
A30	<200 dpm	C18	<200 dpm	E13	<200 dpm	F28	<200 dpm
A31	<200 dpm	C19	<200 dpm	E14	<200 dpm	F29	<200 dpm
A32	<200 dpm	C20	<200 dpm	E15	<200 dpm	F30	<200 dpm
A33	<200 dpm	C21	<200 dpm	E16	<200 dpm	F31	<200 dpm
A34	<200 dpm	C22	<200 dpm	E17	<200 dpm	F32	<200 dpm
A35	<200 dpm	C23	<200 dpm	E18	<200 dpm	F33	<200 dpm
B1	<200 dpm	C24	<200 dpm	E19	<200 dpm	F34	<200 dpm
B2	<200 dpm	C25	<200 dpm	E20	<200 dpm	F35	<200 dpm
B3	<200 dpm	C26	<200 dpm	E21	<200 dpm		
B4	<200 dpm	C27	<200 dpm	E22	<200 dpm		
B5	<200 dpm	C28	<200 dpm	E23	<200 dpm		

ID:HEALTH PHYSICS 10 APR 2004 08:2

USER:20 COMMENT:BLDG C ROOM 602

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

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME

BLANK SAMPLE MISSING: BLANK VALUES SET TO ZERO

	SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
	MISSING SAMPLE							
A -	3	10-4	1.00	89.5	50.00	28.28	3.77	1.42
	4	10-5	1.00	88.2	35.00	33.81	3.81	2.92
	5	10-6	1.00	90.7	149.00	16.38	1.29	4.44
	6	10-7	1.00	90.0	56.00	26.73	2.12	6.03
	7	10-8	1.00	93.4	54.00	27.22	2.45	7.55
	8	10-9	1.00	93.8	51.00	28.01	3.08	9.05
	9	10-10	1.00	91.3	30.00	36.51	4.03	10.68
	10	10-11	1.00	90.3	54.00	27.22	2.33	12.30
	11	10-12	1.00	89.9	44.00	30.15	3.96	13.93
	12	10-13	1.00	86.5	37.00	32.88	4.06	15.43
	13	10-14	1.00	89.1	36.00	33.33	5.49	16.95
	14	10-15	1.00	89.0	53.00	27.47	3.14	18.45
	15	10-16	1.00	92.8	47.00	29.17	3.61	19.97
	16	10-17	1.00	93.4	47.00	29.17	4.15	21.49
	17	10-18	1.00	89.8	38.00	32.44	4.34	23.12
	18	48-1	1.00	89.7	81.00	22.22	1.68	24.77
	19	48-2	1.00	89.8	46.00	29.49	2.48	26.25
	20	48-3	1.00	87.9	51.00	28.01	29.83	27.77
	21	48-4	1.00	91.0	31.00	35.92	4.31	29.46
	22	48-5	1.00	90.5	60.00	25.82	2.68	30.90
	23	48-6	1.00	93.4	48.00	28.87	2.93	32.49

	SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
	26	48-9	1.00	90.4	40.00	31.62	2.90	37.18
	27	48-10	1.00	89.8	47.00	29.17	3.40	38.82
	28	48-11	1.00	90.0	47.00	29.17	3.08	40.32
	29	48-12	1.00	88.9	39.00	32.03	4.25	41.97
	30	48-13	1.00	90.9	29.00	37.14	5.01	43.47
	31	48-14	1.00	93.0	40.00	31.62	4.09	45.00
	32	48-15	1.00	88.1	41.00	31.23	3.91	46.50
	33	48-16	1.00	90.2	42.00	30.86	4.52	48.02
	34	48-17	1.00	88.4	31.00	35.92	5.71	49.52
	35	48-18	1.00	89.8	34.00	34.30	5.17	51.17
	36	6-1	1.00	88.6	41.00	31.23	3.34	52.88
	37	6-2	1.00	89.9	29.00	37.14	5.27	54.40
B -	38	6-3	1.00	90.2	44.00	30.15	3.58	56.02
	39	6-4	1.00	87.8	40.00	31.62	3.75	57.55
	40	6-5	1.00	90.2	40.00	31.62	3.98	59.17
	41	6-6	1.00	90.3	36.00	33.33	4.72	60.68
	42	6-7	1.00	91.4	59.00	26.04	2.51	62.30
	43	6-8	1.00	93.9	56.00	26.73	5.06	63.84
	44	6-9	1.00	91.7	58.00	26.26	2.12	65.45

	SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
	45	6-10	1.00	93.4	50.00	28.28	2.71	67.10
	46	6-11	1.00	93.3	43.00	30.50	3.45	68.60
	47	6-12	1.00	92.2	46.00	29.49	3.39	70.25
	48	6-13	1.00	90.6	34.00	34.30	4.85	71.75
	49	6-14	1.00	92.2	44.00	30.15	3.22	73.27
	50	6-15	1.00	93.3	47.00	29.17	3.85	74.77
	51	6-16	1.00	90.3	36.00	33.33	4.30	76.30
	52	6-17	1.00	90.5	110.00	19.07	1.53	77.80
	53	6-18	1.00	92.0	51.00	28.01	3.23	79.32
	54	55-1	1.00	91.0	59.00	26.04	2.82	80.94
	55	55-2	1.00	91.2	55.00	26.97	2.54	82.47
	56	55-3	1.00	91.4	47.00	29.17	3.18	83.97
	57	55-4	1.00	90.9	45.00	29.81	3.98	85.59
C -	58	55-5	1.00	88.5	76.00	22.94	1.92	87.22
	59	55-6	1.00	89.4	54.00	27.22	3.47	88.73
	60	55-7	1.00	89.5	42.00	30.86	3.25	90.35
	61	55-8	1.00	87.6	52.00	27.74	2.90	92.00
	62	55-9	1.00	89.7	32.00	35.36	6.96	93.60
	63	55-10	1.00	91.0	43.00	30.50	3.94	95.13
	64	55-11	1.00	92.6	41.00	31.23	10.23	96.76
	65	55-12	1.00	91.8	44.00	30.15	4.39	98.29
	66	55-13	1.00	92.2	31.00	35.92	6.65	99.79
	67	55-14	1.00	91.4	46.00	29.49	5.29	101.30
	68	55-15	1.00	90.7	46.00	29.49	3.55	102.80
	69	55-16	1.00	89.1	26.00	39.22	6.14	104.33
	70	55-17	1.00	91.1	31.00	35.92	6.74	105.84
	71	55-18	1.00	88.6	27.00	38.49	4.84	107.35
	72	41-1	1.00	91.5	65.00	24.81	2.78	108.97
	73	41-2	1.00	90.7	41.00	31.23	4.00	110.48
	74	41-3	1.00	91.4	44.00	30.15	4.91	112.10
	75	41-4	1.00	90.8	44.00	30.15	4.89	113.64
	76	41-5	1.00	91.3	45.00	29.81	4.18	115.14
	77	41-6	1.00	89.7	42.00	30.86	4.51	116.65
	78	41-7	1.00	87.4	40.00	31.62	3.34	118.27
	79	41-8	1.00	89.8	43.00	30.50	2.88	119.92
	80	41-9	1.00	90.4	40.00	31.62	5.11	121.42
	81	41-10	1.00	90.8	59.00	26.04	3.54	122.94
	82	41-11	1.00	91.1				

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
[illegible]	[illegible]	1.00	90.7	37.00	32.88	5.90	127.39
85	41-14	1.00	91.3	38.00	32.44	4.23	129.22
86	41-15	1.00	89.6	39.00	32.03	4.52	130.83
87	41-16	1.00	87.5	68.00	24.25	1.83	132.37
88	41-17	1.00	88.0	34.00	34.30	5.24	133.87
89	41-18	1.00	93.8	42.00	30.86	6.29	135.39
90	25-1	1.00	89.5	78.00	22.65	2.36	137.00
91	25-2	1.00	89.6	31.00	35.92	6.04	138.52
92	25-3	1.00	91.5	35.00	33.81	6.86	140.02
93	25-4	1.00	93.9	39.00	32.03	5.59	141.55
94	25-5	1.00	94.1	47.00	29.17	5.13	143.05
95	25-6	1.00	88.8	52.00	27.74	3.26	144.57
96	25-7	1.00	90.6	46.00	29.49	3.61	146.07
97	25-8	1.00	89.0	42.00	30.86	5.07	147.60
98	25-9	1.00	91.0	47.00	29.17	5.32	149.21
99	25-10	1.00	94.9	41.00	31.23	5.84	150.74
100	25-11	1.00	92.9	44.00	30.15	3.73	152.23
101	25-12	1.00	94.3	37.00	32.88	6.40	153.88
102	25-13	1.00	91.6	44.00	30.15	3.20	155.38

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
103	25-14	1.00	92.7	34.00	34.30	5.15	157.03
104	25-15	1.00	94.5	47.00	29.17	3.50	158.53
105	25-16	1.00	94.4	34.00	34.30	4.57	160.16
106	25-17	1.00	94.4	42.00	30.86	4.91	161.67
107	25-18	1.00	94.2	34.00	34.30	5.51	163.20
108	62-1	1.00	93.8	46.00	29.49	4.11	164.92
109	62-2	1.00	92.0	35.00	33.81	5.42	166.45
110	62-3	1.00	93.0	35.00	33.81	5.88	167.95
111	62-4	1.00	94.6	33.00	34.82	7.29	169.47
112	62-5	1.00	93.7	42.00	30.86	5.34	170.97
113	62-6	1.00	93.8	35.00	33.81	6.49	172.62
114	62-7	1.00	94.9	53.00	27.47	4.29	174.12
115	62-8	1.00	95.8	49.00	28.57	4.23	175.75
116	62-9	1.00	95.7	41.00	31.23	4.89	177.27
117	62-10	1.00	99.7	40.00	31.62	5.55	178.79
118	62-11	1.00	101.5	59.00	26.04	2.53	180.40
119	62-12	1.00	99.0	42.00	30.86	5.35	182.03
120	62-13	1.00	96.4	43.00	30.50	3.99	183.65
121	62-14	1.00	98.6	56.00	26.73	3.62	185.30
122	62-15	1.00	94.5	45.00	29.81	4.39	186.92
123	62-16	1.00	94.5	48.00	28.87	3.76	188.44
124	62-17	1.00	93.9	31.00	35.92	5.67	189.93
125	62-18	1.00	95.5	45.00	29.81	4.09	191.58
126	12-1	1.00	97.3	43.00	30.50	5.47	193.30
127	12-2	1.00	96.5	40.00	31.62	4.44	194.84
128	12-3	1.00	95.2	48.00	28.87	4.87	196.34
129	12-4	1.00	94.0	31.00	35.92	6.80	197.85
130	12-5	1.00	94.6	37.00	32.88	4.49	199.37
131	12-6	1.00	94.9	33.00	34.82	6.36	201.00
132	12-7	1.00	94.9	52.00	27.74	3.46	202.51
133	12-8	1.00	98.5	46.00	29.49	9.58	204.04
134	12-9	1.00	90.0	48.00	28.87	5.20	205.55
135	12-10	1.00	95.3	52.00	27.74	5.79	207.18
136	12-11	1.00	93.8	33.00	34.82	10.78	208.80
137	12-12	1.00	92.9	43.00	30.50	8.96	210.45
138	12-13	1.00	92.4	40.00	31.62	6.80	211.96
139	12-14	1.00	92.6	46.00	29.49	8.62	213.49
[illegible]	[illegible]	[illegible]	[illegible]				

143	42-13	1.00	91.1	32.00	35.36	7.92	219.65
144	42-1	1.00	91.0	68.00	24.25	3.54	221.27
145	42-2	1.00	90.3	41.00	31.23	5.27	222.81
146	42-3	1.00	90.4	55.00	26.97	4.22	224.30
147	42-4	1.00	92.0	63.00	25.20	4.44	225.95
148	42-5	1.00	90.8	34.00	34.30	5.88	227.45
149	42-6	1.00	89.6	53.00	27.47	4.16	229.09
150	42-7	1.00	92.6	43.00	30.50	5.66	230.70
151	42-8	1.00	90.2	38.00	32.44	5.28	232.24
152	42-9	1.00	90.3	44.00	30.15	5.21	233.85
153	42-10	1.00	91.2	40.00	31.62	5.60	235.37
154	42-11	1.00	90.9	40.00	31.62	6.14	236.87
155	42-12	1.00	92.1	34.00	34.30	7.66	238.40
156	42-13	1.00	91.8	50.00	28.28	5.26	239.90
157	42-14	1.00	91.0	41.00	31.23	4.69	241.42
158	42-15	1.00	90.9	32.00	35.36	8.03	243.04
159	42-16	1.00	93.0	49.00	28.57	6.14	244.57
160	42-17	1.00	91.4	35.00	33.81	8.11	246.07

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
161	42-18	1.00	90.3	41.00	31.23	5.20	247.72

26 Jun 06

MEMORANDUM

From: Radiation Safety Officer, ABC Labs
To: Scott Ward. Senior VP. Chief Administrative Officer GSW

Subj: ROOM CERTIFIED FREE OF RADIOACTIVE CONTAMINATION

Ref: (a) NUREG-1556, Vol. 7, Appendix Q

Encl: (1) Swipe results
(2) Swipe Map

1. In accordance with reference (a), radiation contamination surveys are required prior to release of an area for general use.

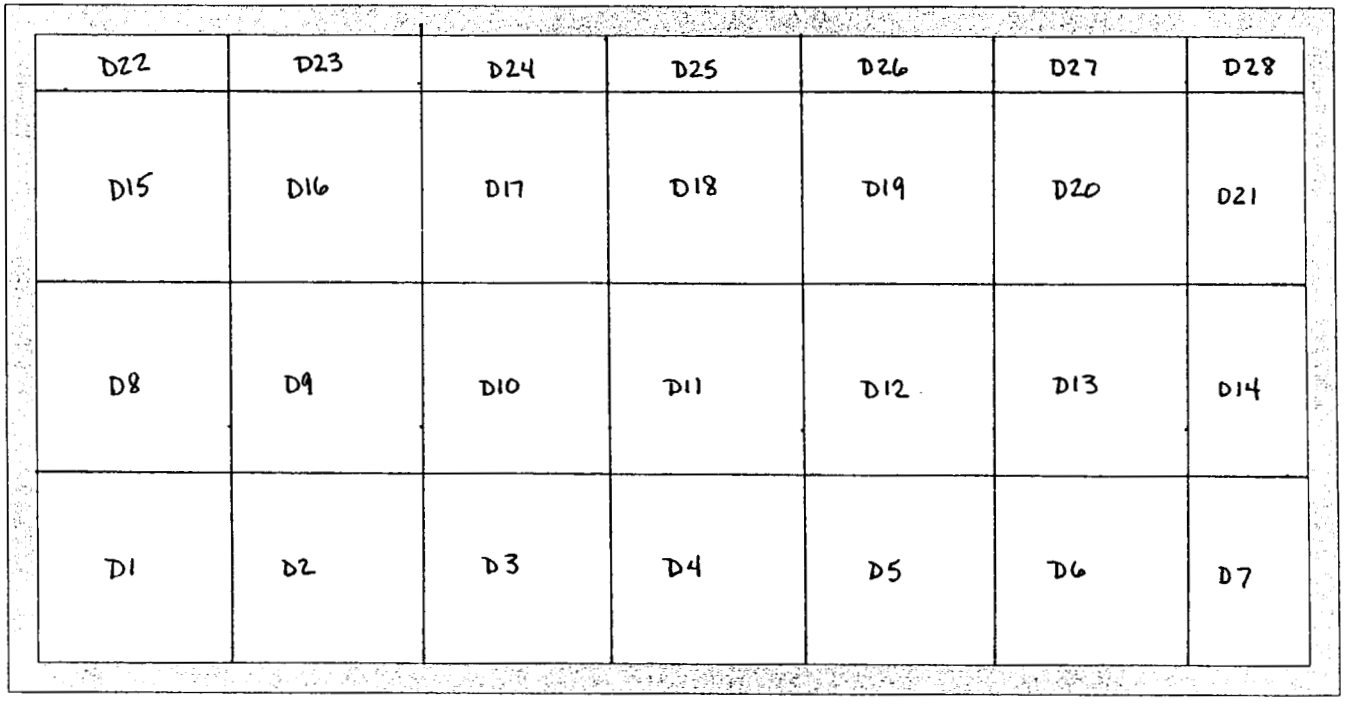
2. Swipe surveys were performed on 06 Apr 2006 in Room 603 in Building C. The survey indicated that the room (floor, ceiling and walls) was found to be below the federal limits for loose surface contamination. The local command's trigger level for loose surface contamination is 200 dpm. The survey results and maps are submitted as enclosure (1) and (2).

3. The room is released from controls regarding radiation safety effective 26 June 2006.

4. If you have any questions regarding this report or its results, please contact Radiation Safety Division at 443-9070.

L. Patrick Smith 07 Jul 06
L. PATRICK SMITH
Radiation safety Officer

Building C `m 603 North Wall C `g



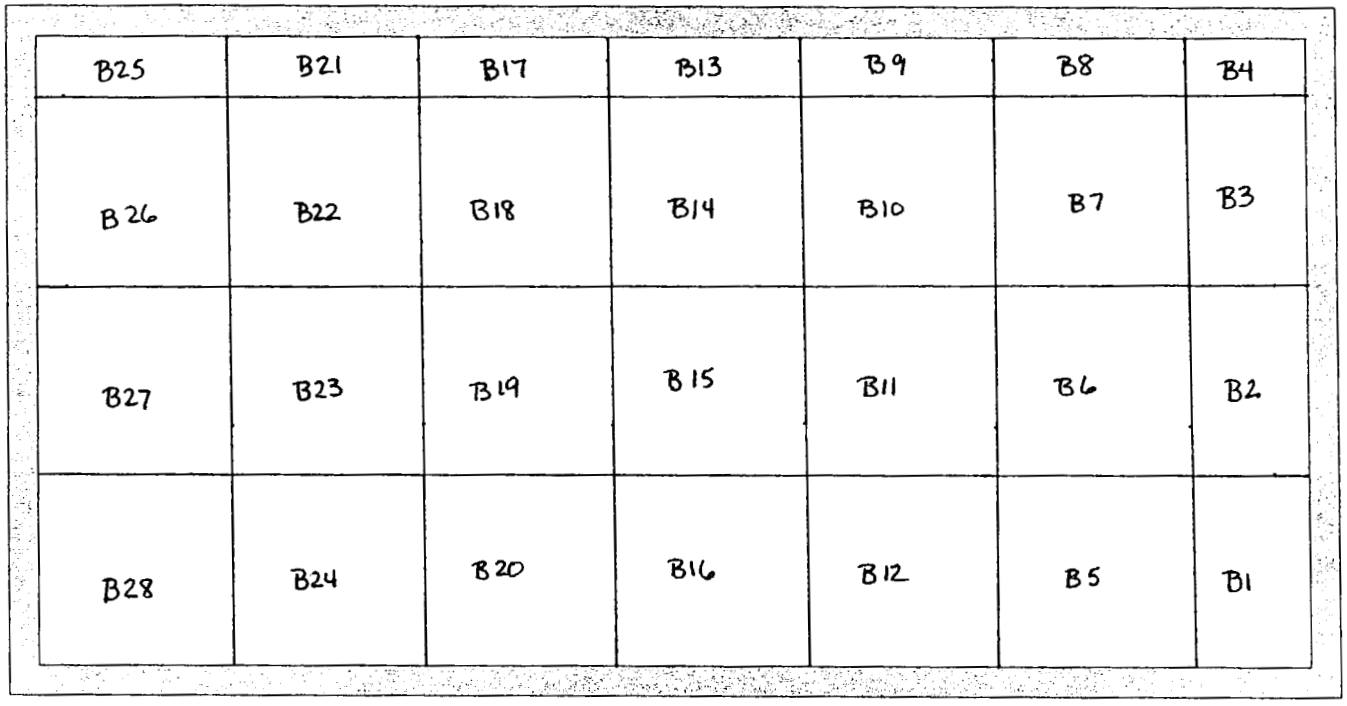
Room Survey Date: 05 April 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C `m 603 South Wall C `g



Room Survey Date: 05 April 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

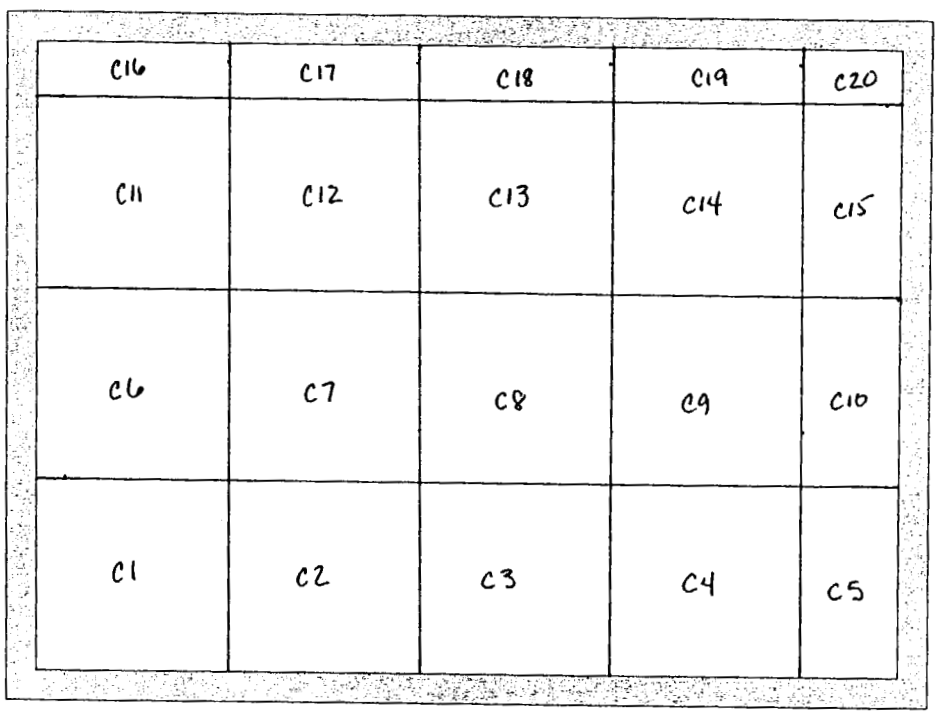
Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C m 603 East Wall

C g



Room Survey Date: 05 April 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

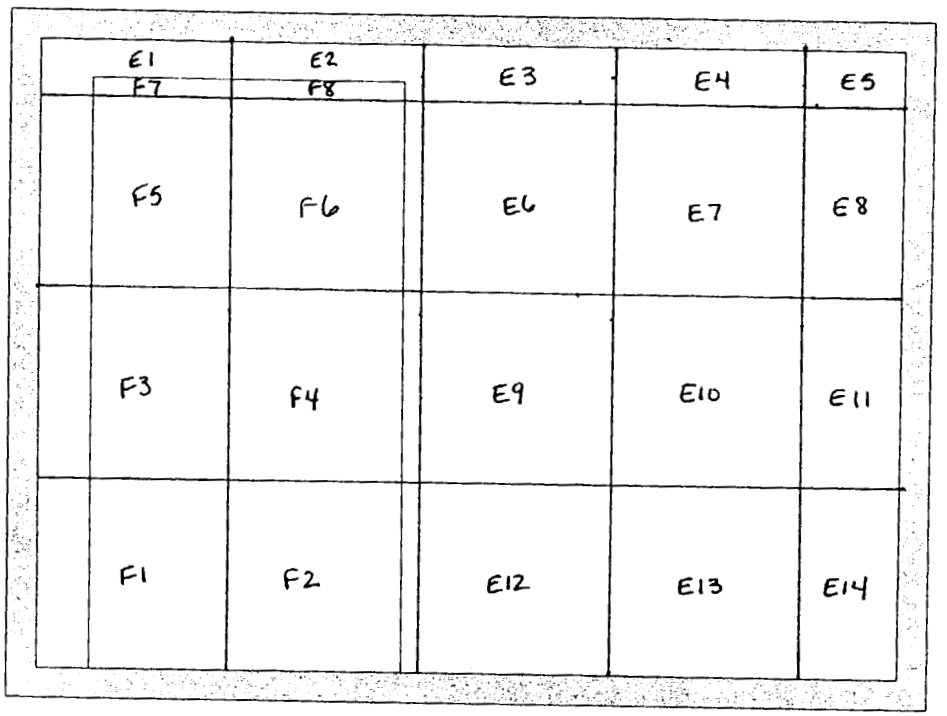
Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C Room 603 West Wall

Ceiling



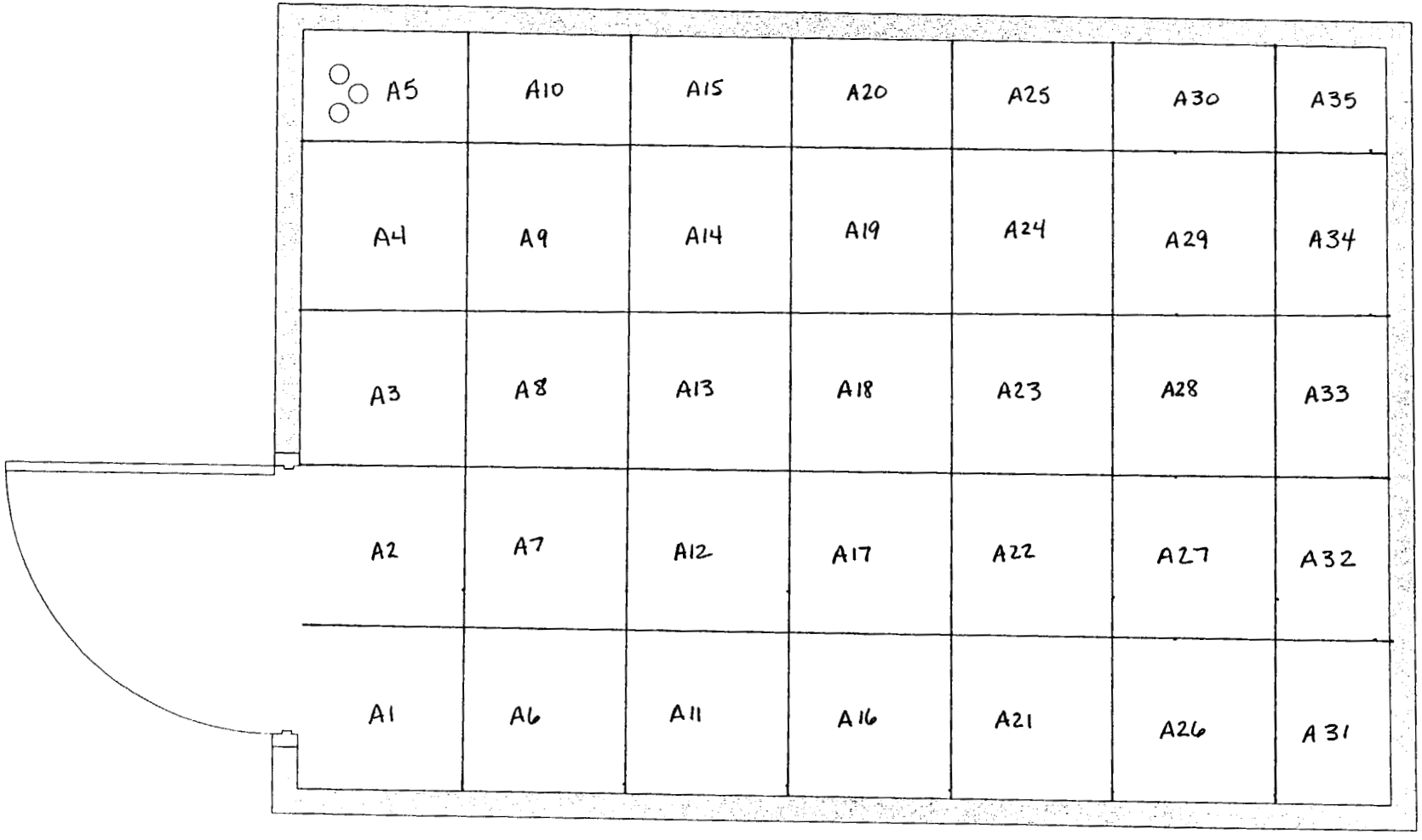
Room Survey Date: 05 April 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C ›m 603 Floor



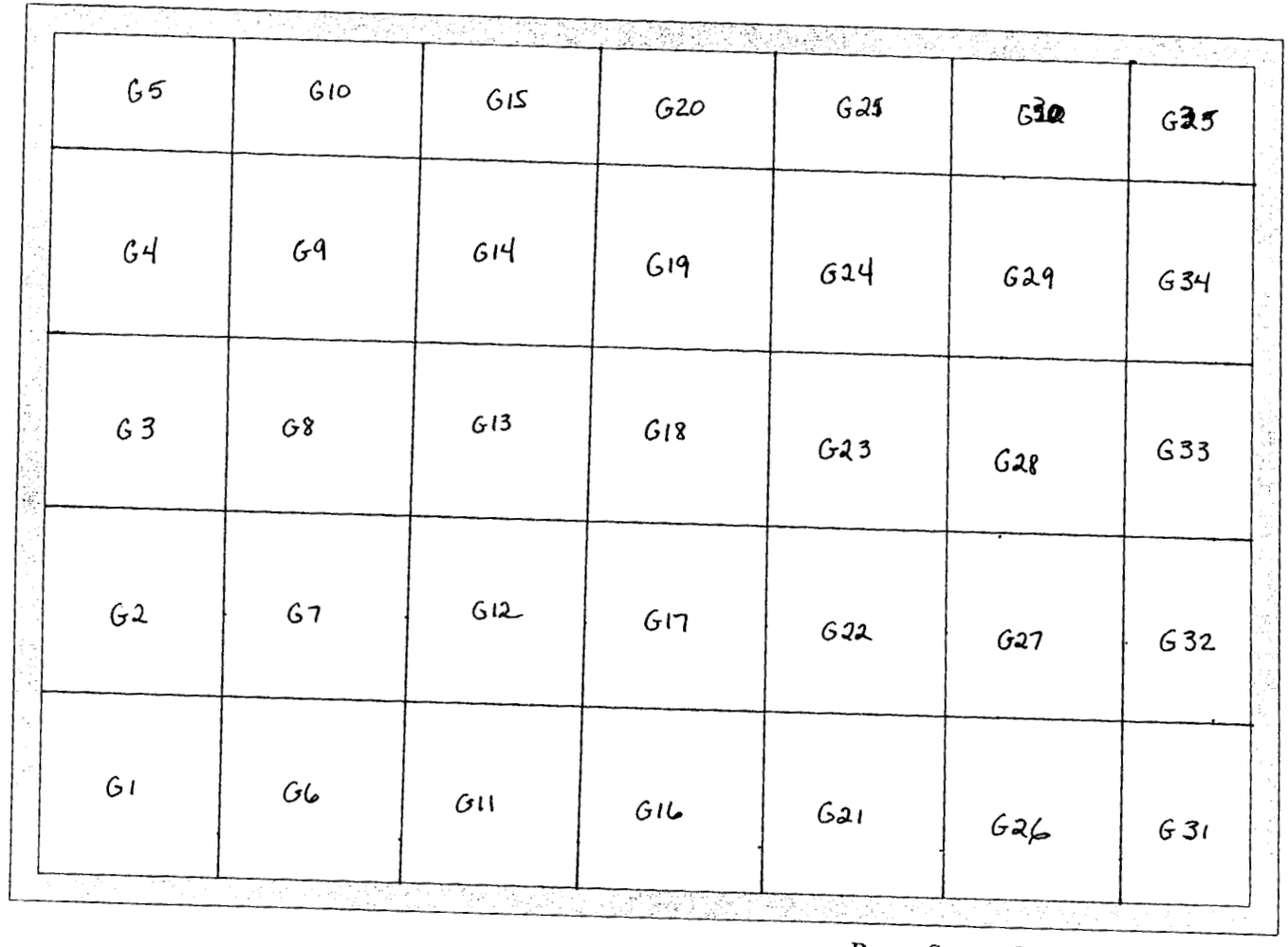
Room Survey Date: 05 April 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Scale: 1/2" = 1'

South

Survey Readings: <100 cpm

Building C m 603 Ceiling



Room Survey Date: 05 April 06
Surveyor: Jacob White
Ludlum Model 3 Survey Meter
S/N: 122355
Cal Date: 27 Mar 06
Ludlum Probe Model 44-9
S/N: PR125562

Scale: 1/2" = 1'

South

Survey Readings: <100 cpm

BLDG C ROOM 603							
Control	<200 dpm	A19	<200 dpm	C2	<200 dpm	D25	<200 dpm
Control	<200 dpm	A20	<200 dpm	C3	<200 dpm	D26	<200 dpm
Blank	<200 dpm	A21	<200 dpm	C4	<200 dpm	D27	<200 dpm
F1	<200 dpm	A22	<200 dpm	C5	<200 dpm	D28	<200 dpm
F2	<200 dpm	A23	<200 dpm	C6	<200 dpm	G1	<200 dpm
F3	<200 dpm	A24	<200 dpm	C7	<200 dpm	G2	<200 dpm
F4	<200 dpm	A25	<200 dpm	C8	<200 dpm	G3	<200 dpm
F5	<200 dpm	A26	<200 dpm	C9	<200 dpm	G4	<200 dpm
F6	<200 dpm	A27	<200 dpm	C10	<200 dpm	G5	<200 dpm
F7	<200 dpm	A28	<200 dpm	C11	<200 dpm	G6	<200 dpm
F8	<200 dpm	A29	<200 dpm	C12	<200 dpm	G7	<200 dpm
E1	<200 dpm	A30	<200 dpm	C13	<200 dpm	G8	<200 dpm
E2	<200 dpm	A31	<200 dpm	C14	<200 dpm	G9	<200 dpm
E3	<200 dpm	A32	<200 dpm	C15	<200 dpm	G10	<200 dpm
E4	<200 dpm	A33	<200 dpm	C16	<200 dpm	G11	<200 dpm
E5	<200 dpm	A34	<200 dpm	C17	<200 dpm	G12	<200 dpm
E6	<200 dpm	A35	<200 dpm	C18	<200 dpm	G13	<200 dpm
E7	<200 dpm	B1	<200 dpm	C19	<200 dpm	G14	<200 dpm
E8	<200 dpm	B2	<200 dpm	C20	<200 dpm	G15	<200 dpm
E9	<200 dpm	B3	<200 dpm	D1	<200 dpm	G16	<200 dpm
E10	<200 dpm	B4	<200 dpm	D2	<200 dpm	G17	<200 dpm
E11	<200 dpm	B5	<200 dpm	D3	<200 dpm	G18	<200 dpm
E12	<200 dpm	B6	<200 dpm	D4	<200 dpm	G19	<200 dpm
E13	<200 dpm	B7	<200 dpm	D5	<200 dpm	G20	<200 dpm
E14	<200 dpm	B8	<200 dpm	D6	<200 dpm	G21	<200 dpm
A1	<200 dpm	B9	<200 dpm	D7	<200 dpm	G22	<200 dpm
A2	<200 dpm	B10	<200 dpm	D8	<200 dpm	G23	<200 dpm
A3	<200 dpm	B11	<200 dpm	D9	<200 dpm	G24	<200 dpm
A4	<200 dpm	B12	<200 dpm	D10	<200 dpm	G25	<200 dpm
A5	<200 dpm	B13	<200 dpm	D11	<200 dpm	G26	<200 dpm
A6	<200 dpm	B14	<200 dpm	D12	<200 dpm	G27	<200 dpm
A7	<200 dpm	B15	<200 dpm	D13	<200 dpm	G28	<200 dpm
A8	<200 dpm	B16	<200 dpm	D14	<200 dpm	G29	<200 dpm
A9	<200 dpm	B17	<200 dpm	D15	<200 dpm	G30	<200 dpm
A10	<200 dpm	B18	<200 dpm	D16	<200 dpm	G31	<200 dpm
A11	<200 dpm	B19	<200 dpm	D17	<200 dpm	G32	<200 dpm
A12	<200 dpm	B20	<200 dpm	D18	<200 dpm	G33	<200 dpm
A13	<200 dpm	B21	<200 dpm	D19	<200 dpm	G34	<200 dpm
A14	<200 dpm	B22	<200 dpm	D20	<200 dpm	G35	<200 dpm
A15	<200 dpm	B23	<200 dpm	D21	<200 dpm	Vent 1	<200 dpm
A16	<200 dpm	B24	<200 dpm	D22	<200 dpm	Vent 2	<200 dpm
A17	<200 dpm	B25	<200 dpm	D23	<200 dpm	Cover	<200 dpm
A18	<200 dpm	C1	<200 dpm	D24	<200 dpm		

ID:HEALTH PHYSICS 6 APR 2006 07:2

USER:20 COMMENT:BLDG C ROOM 603

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

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
B1	6-1	1.00	83.1	46.00	29.49	1.89	1.42
B2	6-2	1.00	83.5	55.00	26.97	3.41	2.92
		Blank Average CPM for WIDE					50.50 COEF. OF VAR: 12.60
1	6-4	1.00	96.3	-11.50	1.E+06	5.55	4.44
2	6-5	1.00	94.5	1.50	1171.9	3.01	5.93
3	6-6	1.00	91.6	-8.50	1.E+06	4.44	7.53
4	6-7	1.00	95.9	-9.50	1.E+06	4.74	9.17
5	6-8	1.00	91.6	-11.50	1.E+06	5.29	10.67
6	6-9	1.00	92.3	-2.50	1.E+06	3.53	12.30
7	6-10	1.00	92.0	-9.50	1.E+06	5.85	13.92
8	6-11	1.00	94.9	-4.50	1.E+06	4.35	15.44
9	6-12	1.00	96.3	-12.50	1.E+06	5.61	16.94
10	6-13	1.00	91.0	-12.50	1.E+06	4.63	18.47
11	6-14	1.00	94.6	-5.50	1.E+06	5.63	19.97
12	6-15	1.00	91.1	-2.50	1.E+06	3.85	21.49
13	6-16	1.00	92.9	-7.50	1.E+06	4.38	22.99
14	6-17	1.00	97.7	213.50	15.93	1.01	24.52
15	6-18	1.00	96.2	19.50	100.10	3.18	26.02
16	42-1	1.00	99.6	7.50	243.31	2.62	27.65
17	42-2	1.00	97.0	14.50	131.03	2.69	29.27
18	42-3	1.00	95.2	-5.50	1.E+06	2.81	30.90
19	42-4	1.00	105.7	-2.50	1.E+06	5.05	32.40
20	42-5	1.00	97.2	-0.50	1.E+06	3.65	33.93
21	42-6	1.00	95.1	-11.50	1.E+06	5.54	35.55
22	42-7	1.00	101.2	-3.50	1.E+06	21.90	37.08
23	42-8	1.00	97.4				

				-0.50	1.E+06	4.42	41.72
26	42-11	1.00	96.1	-18.50	1.E+06	4.66	43.36
27	42-12	1.00	109.8	-5.50	1.E+06	4.90	44.87
28	42-13	1.00	101.1	0.50	3492.8	4.39	46.39
29	42-14	1.00	97.7	5.50	327.78	3.96	47.89
30	42-15	1.00	98.0	11.50	162.45	2.45	49.42
31	42-16	1.00	98.4	10.50	176.90	2.95	50.92
32	42-17	1.00	98.4	45.50	48.40	2.08	52.55
33	42-18	1.00	95.8	20.50	95.71	2.44	54.05
34	12-1	1.00	98.2	33.50	62.40	2.48	55.80
35	12-2	1.00	97.5	12.50	150.31	2.49	57.30
36	12-3	1.00	100.1	8.50	215.97	2.54	58.95
37	12-4	1.00	97.7	-2.50	1.E+06	3.47	60.45
38	12-5	1.00	97.8	2.50	707.67	3.37	61.97
39	12-6	1.00	100.0	7.50	243.31	3.25	63.47
40	12-7	1.00	97.0	-11.50	1.E+06	3.43	65.12
41	12-8	1.00	95.8	4.50	398.14	3.32	66.62
42	12-9	1.00	96.1	-8.50	1.E+06	4.34	68.14

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
43	12-10	1.00	95.9	-7.50	1.E+06	3.46	69.77
44	12-11	1.00	99.0	-6.50	1.E+06	4.66	71.40
45	12-12	1.00	94.1	-12.50	1.E+06	4.52	72.90
46	12-13	1.00	97.7	-8.50	1.E+06	3.84	74.44
47	12-14	1.00	94.7	-9.50	1.E+06	12.56	76.06
48	12-15	1.00	93.5	-8.50	1.E+06	3.56	77.59
49	12-16	1.00	95.4	-17.50	1.E+06	4.94	79.09
50	12-17	1.00	94.4	-1.50	1.E+06	4.18	80.60
51	12-18	1.00	96.1	2.50	707.67	3.46	82.10
52	62-1	1.00	99.5	-2.50	1.E+06	3.59	83.85
53	62-2	1.00	96.5	-20.50	1.E+06	4.57	85.47
54	62-3	1.00	94.1	-2.50	1.E+06	3.24	87.00
55	62-4	1.00	98.3	-8.50	1.E+06	3.74	88.50
56	62-5	1.00	94.8	-18.50	1.E+06	4.59	90.02
57	62-6	1.00	95.2	-10.50	1.E+06	5.37	91.52
58	62-7	1.00	94.1	-8.50	1.E+06	3.71	93.17
59	62-8	1.00	92.8	-25.50	1.E+06	4.72	94.78
60	62-9	1.00	92.8	-13.50	1.E+06	4.12	96.42
61	62-10	1.00	94.3	-3.50	1.E+06	3.17	98.03
62	62-11	1.00	91.9	-7.50	1.E+06	4.00	99.68
63	62-12	1.00	91.1	-7.50	1.E+06	3.54	101.28
64	62-13	1.00	92.8	-2.50	1.E+06	3.20	102.82
65	62-14	1.00	93.4	-24.50	1.E+06	5.68	104.32
66	62-15	1.00	93.7	-12.50	1.E+06	5.18	105.84
67	62-16	1.00	92.0	-18.50	1.E+06	6.24	107.34
68	62-17	1.00	92.4	7.50	243.31	3.65	108.87
69	62-18	1.00	93.4	-7.50	1.E+06	5.29	110.37
70	25-1	1.00	92.8	-13.50	1.E+06	4.44	112.12
71	25-2	1.00	91.6	-8.50	1.E+06	2.70	113.62
72	25-3	1.00	91.7	-9.50	1.E+06	4.29	115.25
73	25-4	1.00	94.0	-13.50	1.E+06	5.54	116.75
74	25-5	1.00	91.4	2.50	707.67	3.54	118.28
75	25-6	1.00	91.5	-2.50	1.E+06	4.41	119.79
76	25-7	1.00	90.7	-10.50	1.E+06	5.60	121.42
77	25-8	1.00	91.8	-3.50	1.E+06	3.94	123.03
78	25-9	1.00	92.7	-10.50	1.E+06	4.55	124.68
79	25-10	1.00	93.7	-16.50	1.E+06	4.41	126.18
80	25-11	1.00	91.7	-10.50	1.E+06	3.82	127.72
81	25-12	1.00	94.2				

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
84	25-15	1.00	91.4	-8.50	1.E+06	4.87	133.98
85	25-16	1.00	93.4	-15.50	1.E+06	6.13	135.49
86	25-17	1.00	92.5	0.50	3492.8	4.04	137.14
87	25-18	1.00	94.2	-15.50	1.E+06	8.05	138.64
88	41-1	1.00	93.3	47.50	46.74	2.60	140.39
89	41-2	1.00	92.9	-13.50	1.E+06	5.49	141.89
90	41-3	1.00	93.9	-13.50	1.E+06	4.54	143.40
91	41-4	1.00	92.4	-7.50	1.E+06	6.57	145.02
92	41-5	1.00	94.4	-6.50	1.E+06	4.66	146.67
93	41-6	1.00	93.3	-13.50	1.E+06	5.49	148.28
94	41-7	1.00	89.8	0.50	3492.8	3.78	149.80
95	41-8	1.00	92.1	-12.50	1.E+06	4.81	151.42
96	41-9	1.00	92.2	-5.50	1.E+06	4.35	152.93
97	41-10	1.00	91.2	-19.50	1.E+06	6.11	154.55
98	41-11	1.00	93.2	-17.50	1.E+06	7.91	156.20
99	41-12	1.00	91.2	-7.50	1.E+06	4.45	157.70
100	41-13	1.00	95.0	-10.50	1.E+06	4.80	159.35

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
101	41-14	1.00	94.1	-0.50	1.E+06	3.54	160.85
102	41-15	1.00	94.3	-2.50	1.E+06	3.74	162.50
103	41-16	1.00	91.0	4.50	398.14	4.24	164.00
104	41-17	1.00	89.6	-1.50	1.E+06	3.30	165.52
105	41-18	1.00	91.1	-0.50	1.E+06	4.05	167.02
106	55-1	1.00	91.1	8.50	215.97	3.83	168.65
107	55-2	1.00	93.1	-10.50	1.E+06	4.82	170.15
108	55-3	1.00	94.8	-0.50	1.E+06	6.24	171.69
109	55-4	1.00	94.3	-12.50	1.E+06	4.52	173.19
110	55-5	1.00	93.6	-1.50	1.E+06	4.12	174.83
111	55-6	1.00	92.2	-18.50	1.E+06	5.71	176.45
112	55-7	1.00	91.3	-1.50	1.E+06	4.23	178.09
113	55-8	1.00	92.5	19.50	100.10	3.06	179.70
114	55-9	1.00	95.4	-3.50	1.E+06	4.09	181.35
115	55-10	1.00	96.2	-0.50	1.E+06	3.46	182.85
116	55-11	1.00	95.2	-7.50	1.E+06	5.63	184.48
117	55-12	1.00	95.0	-21.50	1.E+06	7.63	186.10
118	55-13	1.00	91.5	-4.50	1.E+06	4.79	187.73
119	55-14	1.00	94.8	-10.50	1.E+06	5.20	189.24
120	55-15	1.00	100.7	-11.50	1.E+06	6.18	190.88
121	55-16	1.00	92.2	-15.50	1.E+06	6.03	192.39
122	55-17	1.00	92.4	-1.50	1.E+06	3.82	194.02
123	55-18	1.00	91.7	0.50	3492.2	4.36	195.52
124	48-1	1.00	89.8	-16.50	1.E+06	4.68	197.27
125	48-2	1.00	91.1	-10.50	1.E+06	5.57	198.77
126	48-3	1.00	94.4	-18.50	1.E+06	5.91	200.30
127	48-4	1.00	90.7	-9.50	1.E+06	3.99	201.80
128	48-5	1.00	91.0	-13.50	1.E+06	5.92	203.44
129	48-6	1.00	91.6	-7.50	1.E+06	5.15	204.94
130	48-7	1.00	93.9	-9.50	1.E+06	5.34	206.58
131	48-8	1.00	89.2	-4.50	1.E+06	3.46	208.08
132	48-9	1.00	93.8	-12.50	1.E+06	5.43	209.72
133	48-10	1.00	93.8	-2.50	1.E+06	5.14	211.22
134	48-11	1.00	102.1	-17.50	1.E+06	7.06	212.87
135	48-12	1.00	91.5	-6.50	1.E+06	4.05	214.37
136	48-13	1.00	90.9	-14.50	1.E+06	6.08	215.88
137	48-14	1.00	103.0	36.50	58.05	3.09	217.39
138	48-15	1.00	106.8	30.50	67.59	3.65	219.04
139	48-16	1.00	94.2				

				-16.50	1.E+06	4.76	223.55
142	4-1	1.00	90.5	-5.50	1.E+06	4.09	225.19
143	4-2	1.00	92.8	-7.50	1.E+06	4.15	226.69
144	4-3	1.00	92.4	-19.50	1.E+06	8.39	228.22
145	4-4	1.00	92.7	-3.50	1.E+06	7.05	229.72
146	4-5	1.00	91.3	-17.50	1.E+06	6.88	231.37
147	4-6	1.00	90.8	-24.50	1.E+06	9.68	232.87
148	4-7	1.00	92.0	-14.50	1.E+06	5.22	234.52
149	4-8	1.00	92.2	-8.50	1.E+06	-0.70	236.00
150	4-9	1.00	94.6	4.50	398.14	5.22	237.65
151	4-10	1.00	91.8	-16.50	1.E+06	6.72	239.27
152	4-11	1.00	90.3	-6.50	1.E+06	4.49	240.92
153	4-12	1.00	93.4	-22.50	1.E+06	8.93	242.42
154	4-13	1.00	90.4	-18.50	1.E+06	4.86	243.94
155	4-14	1.00	90.7	-10.50	1.E+06	5.66	245.44
156	4-15	1.00	90.9	-3.50	1.E+06	4.36	246.97
157	4-16	1.00	92.9	-19.50	1.E+06	8.38	248.59
158	4-17	1.00	90.2	-7.50	1.E+06	5.40	250.12

SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
159	4-18	1.00	89.3	-8.50	1.E+06	5.86	251.62
160	10-1	1.00	95.9	-1.50	1.E+06	5.65	253.25
161	10-2	1.00	94.1	2.50	707.67	4.58	254.75
162	10-3	1.00	95.1	29.50	69.55	2.82	256.29
163	10-4	1.00	93.5	9.50	194.38	4.16	257.79
164	10-5	1.00	92.2	-16.50	1.E+06	5.12	259.30
165	10-6	1.00	90.4	-5.50	1.E+06	4.28	260.92
166	10-7	1.00	90.9	-15.50	1.E+06	5.63	262.45
167	10-8	1.00	89.2	-14.50	1.E+06	5.23	264.07
168	10-9	1.00	88.8	-9.50	1.E+06	6.44	265.59

26 Jun 06

MEMORANDUM

From: Radiation Safety Officer, ABC Labs
To: Scott Ward, Senior VP, Chief Administrative Officer GSW

Subj: ROOM CERTIFIED FREE OF RADIOACTIVE CONTAMINATION

Ref: (a) NUREG-1556, Vol. 7, Appendix Q

Encl: (1) Swipe results
(2) Swipe Map

1. In accordance with reference (a), radiation contamination surveys are required prior to release of an area for general use.

2. Swipe surveys were performed on 05 May 2006 in the Entrance Room in Building C. The survey indicated that the room (floor, ceiling and walls) was found to be below the federal limits for loose surface contamination. The local command's trigger level for loose surface contamination is 200 dpm. The survey results and maps are submitted as enclosure (1) and (2).

3. The room is released from controls regarding radiation safety effective 26 June 2006.

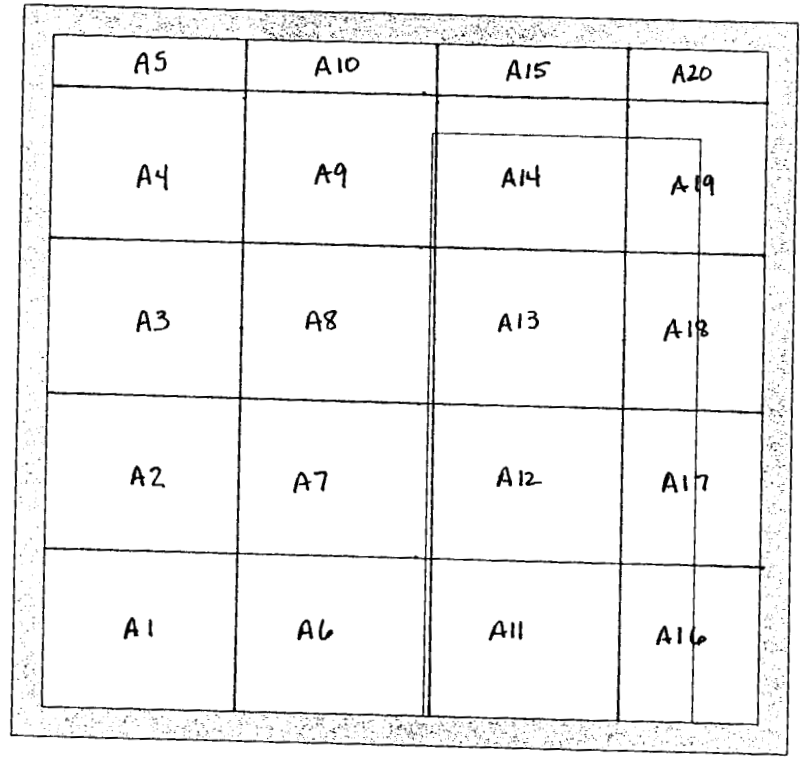
4. If you have any questions regarding this report or its results, please contact Radiation Safety Division at 443-9070.

7 July 2006

L. PATRICK SMITH
Radiation safety Officer

Building C Entrance Room South Wall

Ceiling



Room Survey Date: 05 May 06
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

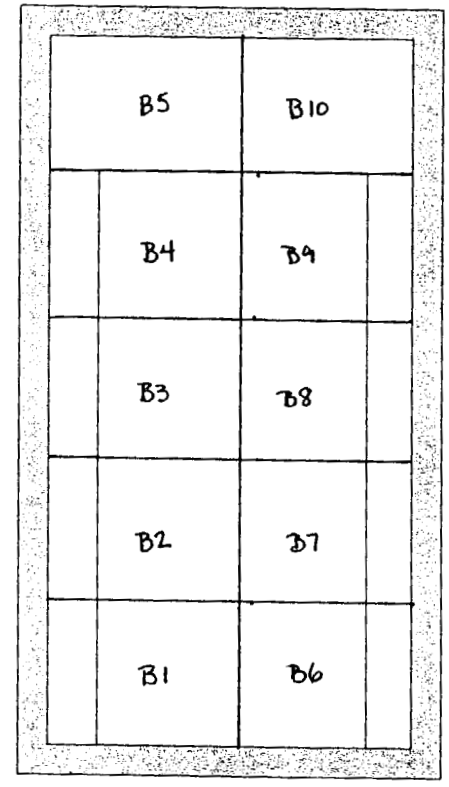
Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C ance Room West Wall

C g



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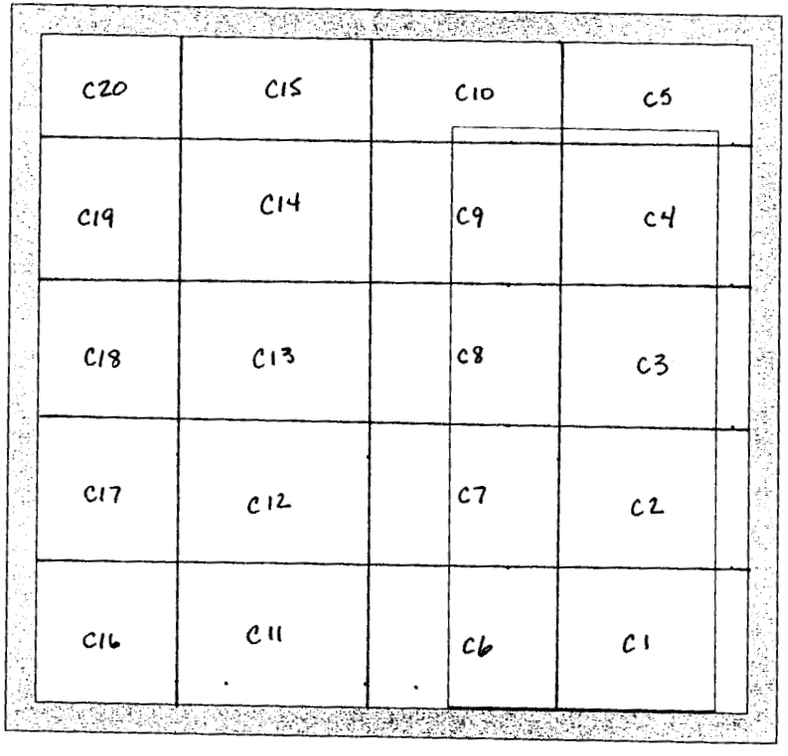
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C ance Room North Wall C g



Room Survey Date: 05 May 06
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

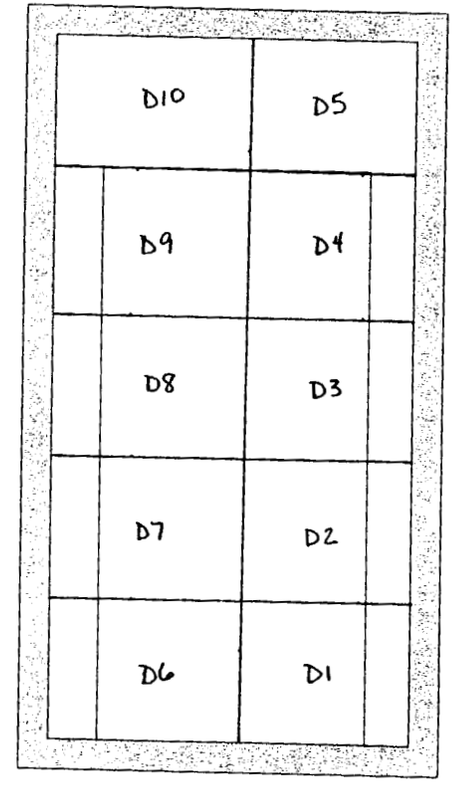
Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C ·ance Room East Wall

C g



Room Survey Date: 05 May 06
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

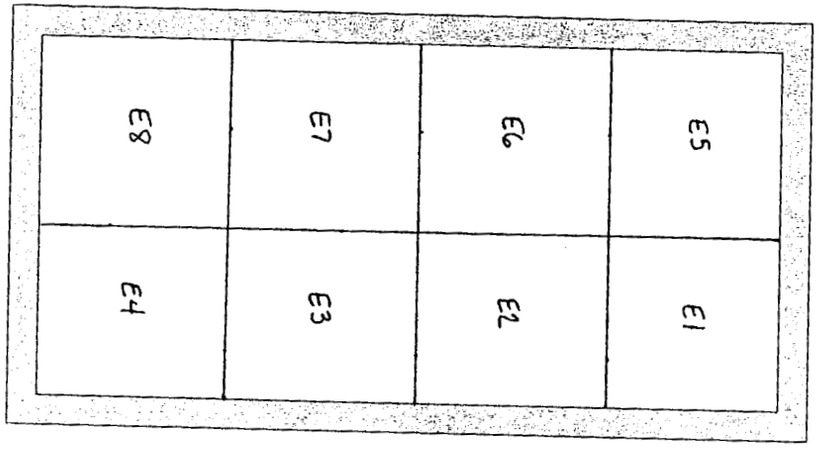
Survey Readings: <100 cpm

Scale: 1/2" = 1'

Floor

Building C Entrance Room Ceiling

South



Room Survey Date: 05 May 06
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

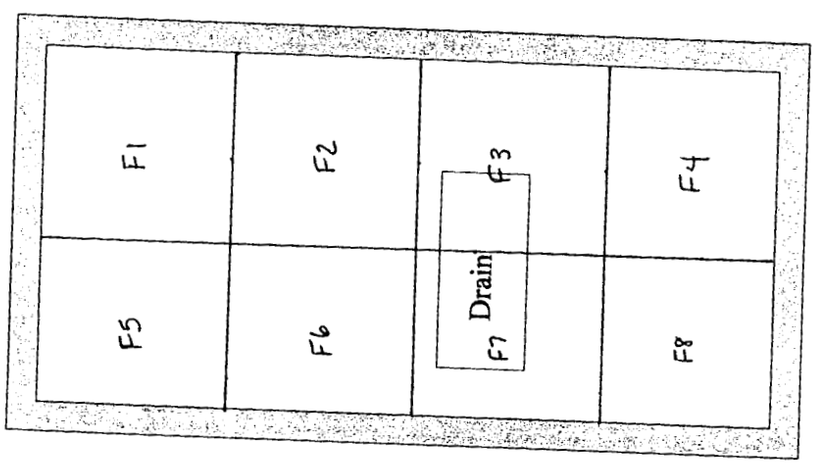
Survey Readings: <100 cpm

Scale: 1/2" = 1'

North

Building C Entrance Room Floor

South



Room Survey Date: 05 May 06
Surveyor: JaVonte Long
Ludlum Model 3 Survey Meter
S/N: 122338
Cal Date: 14 Apr 06
Ludlum Probe Model 44-9
S/N: PR125560

Survey Readings: <100 cpm

Scale: 1/2" = 1'

North

BLDG C ENTRANCE RM					
Control	<200 dpm	C11	<200 dpm		
Control	<200 dpm	C12	<200 dpm		
Blank	<200 dpm	C13	<200 dpm		
A1	<200 dpm	C14	<200 dpm		
A2	<200 dpm	C15	<200 dpm		
A3	<200 dpm	C16	<200 dpm		
A4	<200 dpm	C17	<200 dpm		
A5	<200 dpm	C18	<200 dpm		
A6	<200 dpm	C19	<200 dpm		
A7	<200 dpm	C20	<200 dpm		
A8	<200 dpm	D1	<200 dpm		
A9	<200 dpm	D2	<200 dpm		
A10	<200 dpm	D3	<200 dpm		
A11	<200 dpm	D4	<200 dpm		
A12	<200 dpm	D5	<200 dpm		
A13	<200 dpm	D6	<200 dpm		
A14	<200 dpm	D7	<200 dpm		
A15	<200 dpm	D8	<200 dpm		
A16	<200 dpm	D9	<200 dpm		
A17	<200 dpm	D10	<200 dpm		
A18	<200 dpm	E1	<200 dpm		
A19	<200 dpm	E2	<200 dpm		
A20	<200 dpm	E3	<200 dpm		
B1	<200 dpm	E4	<200 dpm		
B2	<200 dpm	E5	<200 dpm		
B3	<200 dpm	E6	<200 dpm		
B4	<200 dpm	E7	<200 dpm		
B5	<200 dpm	E8	<200 dpm		
B6	<200 dpm	F1	<200 dpm		
B7	<200 dpm	F2	<200 dpm		
B8	<200 dpm	F3	<200 dpm		
B9	<200 dpm	F4	<200 dpm		
B10	<200 dpm	F5	<200 dpm		
C1	<200 dpm	F6	<200 dpm		
C2	<200 dpm	F7	<200 dpm		
C3	<200 dpm	F8	<200 dpm		
C4	<200 dpm				
C5	<200 dpm				
C6	<200dpm				
C7	<200 dpm				
C8	<200 dpm				
C9	<200 dpm				
C10	<200 dpm				

ID:HEALTH PHYSICS

USER:20

5 MAY 2006 12:0

COMMENT:BLDG C ENTRANCE ROOM

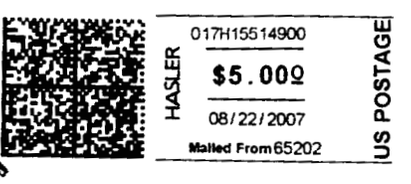
RESET TIME :	1.00						
DATA CALC :	CPM	H# :	YES	SAMPLE REPEATS:	1	PRINTER	: ST
COUNT BLANK :	YES	IC# :	NO	REPLICATES :	1	RS232	: OF
TWO PHASE :	NO	AQC :	NO	CYCLE REPEATS :	1		
SCINTILLATOR:	LIQUID	LUMEX:	NO	LOW SAMPLE REJ:	0		
LOW LEVEL :	NO	HALF LIFE CORRECTION DATE:				none	

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

	SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
	B1	42-1	1.00	78.8	38.00	32.44	0.38	1.41
	B2	42-2	1.00	79.0	50.00	28.28	0.26	2.90
			Blank Average CPM for		WIDE		44.00	COEF. OF VAR: 19.285
A-	1	42-4	1.00	91.8	-7.00	1.E+06	4.97	4.52
	2	42-5	1.00	90.2	5.00	337.05	3.12	6.04
	3	42-6	1.00	89.8	-2.00	1.E+06	3.55	7.53
	4	42-7	1.00	92.4	0.00	1.E+06	5.66	9.02
	5	42-8	1.00	91.7	19.00	97.05	3.72	10.54
	6	42-9	1.00	91.5	-3.00	1.E+06	5.30	12.15
	7	42-10	1.00	91.3	1.00	1637.1	4.94	13.78
	8	42-11	1.00	91.1	-13.00	1.E+06	6.07	15.29
	9	42-12	1.00	92.8	-11.00	1.E+06	7.31	16.82
	10	42-13	1.00	91.4	-9.00	1.E+06	5.47	18.32
	11	42-14	1.00	92.0	-7.00	1.E+06	5.84	19.95
	12	42-15	1.00	91.8	-8.00	1.E+06	5.52	21.45
	13	42-16	1.00	90.0	-8.00	1.E+06	5.67	23.08
	14	42-17	1.00	92.6	-3.00	1.E+06	4.47	24.70
	15	42-18	1.00	92.3	-4.00	1.E+06	7.22	26.35
	16	31-1	1.00	92.8	0.00	1.E+06	4.94	27.95
	17	31-2	1.00	90.3	-5.00	1.E+06	4.11	29.48
	18	31-3	1.00	93.4	-10.00	1.E+06	4.84	30.99
	19	31-4	1.00	96.6	3.00	553.77	4.36	32.61
	20	31-5	1.00	93.3	4.00	418.33	3.84	34.23
B-	21	31-6	1.00	93.5	-1.00	1.E+06	4.30	35.75
	22	31-7	1.00	90.6	-2.00	1.E+06	4.20	37.37
	23	31-8	1.00	93.2	12.00	147.20	3.37	38.90
	24	31-9	1.00	90.7	0.00	1.E+06	4.28	40.51
	25	31-10	1.00	93.0	-2.00	1.E+06	7.95	42.17
	26	31-11	1.00	91.5	-5.00	1.E+06	4.65	43.78
	27	31-12	1.00	98.1	3.00	553.77	6.33	45.31
	28	31-13	1.00	92.2	-3.00	1.E+06	3.98	46.80
	29	31-14	1.00	92.8	-6.00	1.E+06	4.22	48.45
	30	31-15	1.00	91.8	5.00	337.05	4.47	49.94
C-	31	31-16	1.00	93.6	4.00	418.33	4.45	51.47
	32	31-17	1.00	93.7	13.00	136.74	4.84	52.97
	33	31-18	1.00	92.0	0.00	1.E+06	4.26	54.49
	34	6-1	1.00	92.3	2.00	824.62	3.76	56.22
	35	6-2	1.00	92.0	-9.00	1.E+06	5.36	57.74
	36	6-3	1.00	96.5	-4.00	1.E+06	6.74	59.24
	37	6-4	1.00	92.6	18.00	101.84	17.43	60.90
	38	6-5	1.00	94.3	34.00	58.82	3.54	62.41
	39	6-6	1.00	97.8	18.00	101.84	3.01	63.93
	40	6-7	1.00	97.1	29.00	67.22	2.70	65.44
	41	6-8	1.00	94.0	9.00	192.45	3.41	66.95
	42	6-9	1.00	91.4	3.00	553.77	3.10	68.57

	SAM NO	POS	TIME MIN	H#	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
	43	6-10	1.00	95.9	-9.00	1.E+06	4.84	70.32
	44	6-11	1.00	94.6	-1.00	1.E+06	5.56	71.77
	45	6-12	1.00	95.0	-11.00	1.E+06	5.66	73.35
	46	6-13	1.00	91.4	-5.00	1.E+06	3.59	74.85
	47	6-14	1.00	94.4	-5.00	1.E+06	6.48	76.39
	48	6-15	1.00	94.7	-8.00	1.E+06	5.48	78.00
	49	6-16	1.00	91.5	-11.00	1.E+06	5.90	79.54
	50	6-17	1.00	92.6	-6.00	1.E+06	4.70	81.04
D	51	6-18	1.00	93.1	-2.00	1.E+06	5.79	82.57
	52	7-1	1.00	93.2	-4.00	1.E+06	6.25	84.17
	53	7-2	1.00	91.0	-6.00	1.E+06	5.21	85.82
	54	7-3	1.00	93.7	-3.00	1.E+06	5.29	87.44
	55	7-4	1.00	90.0	5.00	337.05	3.45	88.95
	56	7-5	1.00	91.5	-5.00	1.E+06	4.50	90.57
	57	7-6	1.00	92.7	-6.00	1.E+06	6.12	92.10
	58	7-7	1.00	91.1	-3.00	1.E+06	3.65	93.71
	59	7-8	1.00	93.3	-5.00	1.E+06	5.15	95.24
	60	7-9	1.00	94.4	2.00	824.62	3.58	96.85
E	61	7-10	1.00	92.0	-11.00	1.E+06	6.59	98.48
	62	7-11	1.00	91.2	-6.00	1.E+06	3.91	99.98
	63	7-12	1.00	93.8	-2.00	1.E+06	5.95	101.52
	64	7-13	1.00	92.9	-8.00	1.E+06	4.77	103.02
	65	7-14	1.00	91.6	-4.00	1.E+06	4.59	104.65
	66	7-15	1.00	94.4	4.00	416.33	3.62	106.15
	67	7-16	1.00	90.1	-6.00	1.E+06	3.65	107.68
	68	7-17	1.00	91.7	0.00	1.E+06	3.99	109.19
	69	7-18	1.00	91.0	-3.00	1.E+06	4.78	110.70
	70	62-1	1.00	93.4	2.00	824.62	5.80	112.32
	71	62-2	1.00	94.0	9.00	192.45	4.61	113.84
	72	62-3	1.00	95.0	27.00	71.43	2.81	115.34
	73	62-4	1.00	95.5	5.00	337.05	5.58	116.98
	74	62-5	1.00	94.4	26.00	73.78	3.97	118.60

[redacted]



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